TAG Mail 2019 (July - December) Cumulative listing

Cumulative Listing of Reports, Publications, Medication Safety Information and Papers of Interest

TAG Mail – 19 December 2019

REPORTS AND PUBLICATIONS – AUSTRALIA

**Agency for Clinical Innovation, NSW (ACI)
- Evidence Series Report: Over-diagnosis and over-treatment in the frail and elderly - link

**Australian Institute for Health and Welfare (AIHW)
- Consumers’ experience of residential aged care, Australia 2017–19 - link
- GEN: Quality indicators - link
- Australia’s children: in brief - link
- Australia’s children - link
- Alcohol, tobacco & other drugs in Australia - link

**NSW Health Intranet
- NSW Health Privacy Internal Review Guidelines - link
- Protect yourself from bushfire smoke – link

**PBS
- PBS Expenditure and Prescriptions Report 2018-19 - link
- PBAC Public Summary Documents - August 2019 Intracycle meeting - link

**TGA - AusPARs:
- ravulizumab (Ultomiris®) for the treatment of adult paroxysmal nocturnal haemoglobinuria (PNH)
- methoxsalen (Uvadex®) for extracorporeal administration with the Therakos Cellex Photopheresis System for steroid-refractory and steroid-intolerant chronic graft versus host disease (cGvHD) in adults following allogeneic HSC transplantation.
- cinnarizine / dimenhydrinate (Cizigo® / Cizinate® / Cizere®) for short-term, symptomatic treatment of vertigo of various causes, in adults who have not responded to alternative treatments.

REPORTS AND PUBLICATIONS – INTERNATIONAL

**Agency for Healthcare Research and Quality (AHRQ) USA
- Achieving Health Equity in Preventive Services - link
- Awareness of diagnosis and follow up care after discharge from the emergency department - link
- Association between physician depressive symptoms and medical errors: A systematic review and meta-analysis - link
- The contribution of staffing to medication administration errors: A text mining analysis of incident report data - link
- Medication errors during simulated paediatric resuscitations: a prospective, observational human reliability analysis - link
- Design of a safety dashboard for patients - link
- Prioritizing patient safety efforts in office practice settings - link
- Potentially inappropriate medications according to STOPP-J criteria and risks of hospitalization and mortality in elderly patients receiving home-based medical services - link
- Tune-in and time-out: toward surgeon-led prevention of "never" events - link
- Using a machine learning system to identify and prevent medication prescribing errors: A clinical and cost analysis evaluation - link
- Patterns in medication incidents: A 10-yr experience of a cross-national anaesthesia incident reporting system - link
- Medication errors in the care transition of trauma patients - link

**Canadian Agency for Drugs and Technologies in Health**
- Rapid response reports
  -- Oral Antibiotics versus IV Antibiotics for Patients with Cellulitis or Soft Tissue Infections: Clinical Effectiveness and Guidelines - link
  -- Pilocarpine for Medication-induced Dry Mouth and Dry Eyes: A Review of Clinical Effectiveness, Cost-Effectiveness, and Guidelines - link
  -- Administration of Naloxone in a Home or Community Setting: A Rapid Qualitative Review - link

**Choosing Wisely Australia**
- 2019 Choosing Wisely Australia Report: Partnering for change - link

**European Medicines Agency (EMA)**
- 4-year overview of pharmacovigilance activities in the EU shows robust and effective medicines safety system - link
- Launch of international pilot programme on inspection of manufacturers of sterile medicines - link

**Food and Drug Administration (FDA) USA**
- New Drug approvals
  -- enzalutamide (Xtandi®) for the treatment of patients with: castration-resistant prostate cancer or metastatic castration-sensitive prostate cancer
  -- riluzole (Tiglutik Kit®) for administration of suspension via percutaneous gastrostomy (PEG) tubes
  -- estradiol (Divigel®) for new dosing regimen
  -- tofacitinib citrate (Xeljanz XR®) for moderately to severely active ulcerative colitis (UC) in adults, who have had an inadequate response or who are intolerant to TNF blockers.

**National Institute for Health and Clinical Excellence (NICE) UK**
- Menopause: diagnosis and management - updated guidance (NG23)
- Antimicrobial prescribing: cefotolozane with tazobactam for treating hospital-acquired pneumonia, including ventilator-associated pneumonia - Evidence summary (ES22)
- Acute kidney injury: prevention, detection and management - guidance (NG148)
- Cannabidiol with clobazam for treating seizures associated with Dravet syndrome – guidance (TA614)
- Cannabidiol with clobazam for treating seizures associated with Lennox–Gastaut syndrome – guidance (TA615)

**Royal Pharmaceutical Society**
- Reducing inappropriate polypharmacy in primary care through pharmacy-led interventions - link
- Antimicrobials in hospital — a development in advanced e-prescribing analytics - link

**Specialist Pharmacy Services**
- Medicines Shortages and Patient Group Directions - link

**World Health Organisation (WHO)**
- WHO explains ‘tailored immunisation programmes’ (TIP) - link

MEDICATION SAFETY

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
-- Omacor® (omega-3-acid ethyl esters) 1000 mg: Post-myocardial infarction indication has been removed. Omacor remains licensed for treatment of hypertriglyceridaemia.
-- Aranesp® (darbepoetin alfa): now advises reported risk of thrombotic vascular events (TVEs) should be weighed against benefits from treatment, particularly in patients with pre-existing risk factors, including obesity and prior TVE history. Dialysis Vascular Access Thrombosis added as an uncommon ADR.
-- Stemeti® (prochlorperazine): updated to include warning about co-administration of phenothiazines with amitriptyline, a CYP2D6 substrate that may lead to increase in plasma levels of the latter. Patients should be monitored for dose-dependent adverse reactions associated with amitriptyline.
-- Benepali® (etanercept): Inflammatory bowel disease added as an uncommon adverse effect (≥ 1/1,000 to < 1/100 persons).
-- Tecfidera™ (dimethyl fumarate) - revised to state cases of herpes zoster have occurred with use. Majority of cases were non-serious; but now advises that if herpes zoster occurs, treat and potentially withhold dimethyl fumarate until infection resolves.
-- Praluent® (Alirocumab): angioedema added to existing warning on allergic reactions (post-marketing cases)
-- Lopid® (gemfibrozil): updated to warn that co-administration with selexipag, a substrate for CYP2C8, doubled exposure (AUC) to selexipag and increased exposure to active metabolite by~ 11-fold. Concomitant administration of gemfibrozil with selexipag is thus contraindicated.
-- Emgality® (galcanezumab): SPC now advises that serious hypersensitivity reactions including cases of anaphylaxis, angioedema and urticaria reported. Discontinue galcanezumab immediately and initiate appropriate therapy, if a serious hypersensitivity reaction occurs.
-- Somatuline® (lanreotide): now highlights post-marketing reports of gallstones resulting in complications, including cholecystitis, cholangitis, and pancreatitis, requiring cholecystectomy. If complications of cholelithiasis are suspected, discontinue lanreotide.
-- Timoptol® (timolol) preparations - Hallucination has been added as a potential adverse effect.

**Institute for Safe Medication Practices (ISMP) USA Medication Safety Alert! December 19, 2019
-- FDA Advise-ERR: Taking Crysvita® (burosumab) with active vitamin D analogs is contraindicated
-- Legacy feeding tubes, administration sets, and transition adapters going away
-- ADC vendors to provide important new safety enhancement
-- Use methotrexate oral solution only with great caution

**Medicines and Healthcare products Regulatory Agency (MHRA) UK
- Domperidone for nausea and vomiting: lack of efficacy in children; reminder of contraindications in adults and adolescents - Domperidone is no longer licensed for use in children younger <12 years or those weighing <35 kg. Results from placebo-controlled study in children <12 years with acute gastroenteritis did not show any difference in efficacy at relieving nausea and vomiting compared with placebo

**Updated Direct Healthcare Professional Communication (DHPC): Update on Lucentis® (ranibizumab) 10 mg/ml pre-filled syringe – plunger on syringe too stiff

**TGA
- Metformin: TGA investigation - potential contamination with N-nitrosodimethylamine

PAPERS OF INTEREST
**American Journal of Preventative Medicine
- Association of E-Cigarette Use With Respiratory Disease Among Adults: A Longitudinal Analysis - link

**American Society for Clinical Pharmacology & Therapeutics
- Improving the Safety of Medicines in the European Union: From Signals to Action - link

NSW TAG Mail_July to December 2019_Cumulative Issue
**American Journal of Health-System Pharmacy (AHJP)**
- ASHP Guidelines on Pharmacy Services in Solid Organ Transplantation - [link](#)

**Annals of Internal Medicine**
- Should Health Care Demand Interpretable Artificial Intelligence or Accept “Black Box” Medicine? - [link](#)

**Australasian Emergency Care**
- Awareness of diagnosis and follow up care after discharge from the Emergency Department - [link](#)

**Australian Journal of Primary Health**
- Association of health literacy and diabetes self-management: a systematic review - [link](#)
- Childhood infection, antibiotic exposure and subsequent metabolic risk in adolescent and young adult Aboriginal Australians: practical implications - [link](#)

**British Journal of Clinical Pharmacology**
- Hesperidin supplementation has no effect on blood glucose control: A systematic review and meta-analysis of randomized controlled clinical trials - [link](#)
- Short Report: Clinical trial simulations of the interaction between cannabidiol and clobazam and effect on drop-seizure frequency - [link](#)
- Pharmacokinetics and phenotyping properties of the Basel phenotyping cocktail combination capsule in healthy male adults - [link](#)
- A case–control study to assess the ability of the thymine challenge test to predict patients with severe to life threatening fluoropyrimidine-induced gastrointestinal toxicity - [link](#)
- The association of the optimal bolus of dexmedetomidine with its favourable haemodynamic outcomes in adult surgical patients under general anaesthesia - [link](#)
- Outcomes of deprescribing interventions in older patients with life-limiting illness and limited life expectancy: A systematic review - [link](#)
- Review: New drugs approved for acute myeloid leukaemia in 2018 - [link](#)
- Longitudinal exposure of English primary care patients to pharmacogenomic drugs: An analysis to inform design of pre-emptive pharmacogenomic testing - [link](#)
- Impact of a targeted monitoring on data-quality and data-management workload of randomized controlled trials: A prospective comparative study - [link](#)
- Physiologically based pharmacokinetic evaluation of cefuroxime in perioperative antibiotic prophylaxis - [link](#)
- Maternal use of drugs and preeclampsia - [link](#)
- Population pharmacokinetics of sildenafil in extremely premature infants - [link](#)
- Toward a robust tool for pharmacokinetic-based personalization of treatment with tacrolimus in solid organ transplantation: A model-based meta-analysis approach - [link](#)
- Clinical value of analytical testing in patients presenting with new psychoactive substances intoxication - [link](#)
- Hydroxychloroquine may be beneficial in preeclampsia and recurrent miscarriage - [link](#)

**British Journal of General Practice**
- Threats to safe transitions from hospital to home: a consensus study in North West London primary care - [link](#)

**British Medical Journal (BMJ)**
- Shared decision making: why the slow progress? An essay by Neal Maskrey - [link](#)
- “Asset exchange”—interactions between patient groups and pharmaceutical industry: Australian qualitative study - [link](#)
- Cochrane launches new research field to tackle overdiagnosis and medical excess - [link](#)
- A structured medication review tool to promote psychotropic medication optimisation for adults with intellectual disability: feasibility study - [link](#)

**BMJ Quality and Safety**

*NSW TAG Mail_July to December 2019_Cumulative Issue*
- Deprescribing psychotropic medications in children: results of a national qualitative study - link
- On selecting quality indicators: preferences of patients with breast and colon cancers regarding hospital quality indicators - link

**Cochrane**
- Interventions for managing halitosis - link
- Drug treatment for spinal muscular atrophy type I - link
- Transcutaneous electrical nerve stimulation (TENS) for chronic neck pain - link
- Shortened treatment regimens versus the standard regimen for drug-sensitive pulmonary tuberculosis - link
- Prophylactic antibiotics for penetrating abdominal trauma: duration of use and antibiotic choice - link
- Perioperative restrictive versus goal-directed fluid therapy for adults undergoing major non-cardiac surgery - link
- Modafinil for people with schizophrenia or related disorders - link
- Anti-IL-12/23p40 antibodies for maintenance of remission in Crohn's disease - link
- Interventions for female drug-using offenders - link
- Target of rapamycin inhibitors (TOR-I; sirolimus and everolimus) for primary immunosuppression in kidney transplant recipients - link

**Critical Care Medicine**
- Effect of Continuous Epinephrine Infusion on Survival in Critically Ill Patients. A Meta-Analysis of Randomized Trials - link

**Diabetes Care**
- Efficacy and Safety of Dapagliflozin in the Elderly: Analysis from the DECLARE–TIMI 58 Study - link

**Drug Safety**
- Prevalence and Nature of Medication Errors and Preventable Adverse Drug Events in Paediatric and Neonatal Intensive Care Settings: A Systematic Review - link

**European Heart Journal**
- The 2019 ESC Guidelines for the Management of Patients with Supraventricular Tachycardia: What you need to know - link

**European Journal of Hospital Pharmacy**
- Initial evaluation of a brief pharmacy-led intervention to modify beliefs about medicines and facilitate adherence among patients hospitalised with acute coronary syndrome - link
- Ceftolozane–tazobactam in an elastomeric infusion device for ambulatory care: an in vitro stability study - link

**Internal Medicine Journal**
- The burden of infective endocarditis in an Australian cohort of people who inject drugs - link
- Prevalence of hyperglycaemia without previously recognised diabetes mellitus in the Emergency Department and subsequent management – A retrospective cross-sectional study - link
- The Australia and New Zealand Cardio-Onology Registry (ACOR): evaluation of chemotherapy-related cardiotoxicity in a national cohort of paediatric cancer patients - link
- Short- and Long-Term Outcomes of Neutropenic Cancer Patients in Intensive Care According to Requirement for Invasive Ventilation - link
- Chronic obstructive pulmonary disease with and without bronchiectasis in Aboriginal Australians – a comparative study - link

**International Journal for Quality in Health Care**
- Institutionalizing quality within national health systems: key ingredients for success - link
- Assessing the performance of indicators during their life cycle: the mixed QUID method - link
- Benchmarking as a quality of care improvement tool for patients with ST-elevation myocardial infarction: an NCDR ACTION Registry experience in Latin America - link
**JAMA**
- Clinical Update: Mild Traumatic Brain Injury in 2019-2020
- Clinical Challenge: Painful and Pruritic Blisters on the Lower Lip
- Comorbidities in Persons with HIV: The Lingering Challenge - link
- Alcohol and Cancer Risk: Clinical and Research Implications - link
- Effect of a Strategy of Comprehensive Vasodilation vs Usual Care on Mortality and Heart Failure Rehospitalization Among Patients With Acute Heart Failure: The GALACTIC Randomized Clinical Trial - link
- Effect of Rocuronium vs Succinylcholine on Endotracheal Intubation Success Rate Among Patients Undergoing Out-of-Hospital Rapid Sequence Intubation: A Randomized Clinical Trial - link

**JAMA Cardiology**
- Initiation of Angiotensin-Neprilysin Inhibition after Acute Decompensated Heart Failure Secondary Analysis of the Open-label Extension of the PIONEER-HF Trial - link
- Early Implementation of Sacubitril/Valsartan for Patients with Heart Failure - link

**JAMA Dermatology**
- Noncutaneous and Cutaneous Cancer Risk in Patients with Atopic Dermatitis: A Systematic Review and Meta-analysis - link

**JAMA Internal Medicine**
- Acyclovir for Mechanically Ventilated Patients with Herpes Simplex Virus Oropharyngeal Reactivation: A Randomized Clinical Trial - link

**JAMA Network Open**
- Risk Stratification for Postoperative Acute Kidney Injury in Major Non-cardiac Surgery Using Preoperative and Intraoperative Data - link
- Trends in Hospital-Based Specialty Palliative Care in the United States From 2013 to 2017 - link
- Trends in Prescription Analgesics Use among Adults with Musculoskeletal Conditions in the United States, 1999-2016 - link
- Assessment of Variability in End-of-Life Care Delivery in Intensive Care Units in the United States - link
- Development and Validation of a Machine Learning Model to Aid Discharge Processes for Inpatient Surgical Care - link
- Effectiveness of a Hospital-Based Computerized Decision Support System on Clinician Recommendations and Patient Outcomes: A Randomized Clinical Trial - link
- Evaluating Improvements and Shortcomings in Clinician Satisfaction with Electronic Health Record Usability - link

**JAMA Neurology**
- Association Between Cigarette Smoking and Multiple Sclerosis: A Review - link
- Nilotinib Effects on Safety, Tolerability, and Potential Biomarkers in Parkinson Disease: A Phase 2 Randomized Clinical Trial - link
- The Narrowing Path for Nilotinib and Other Potential Disease-Modifying Therapies for Parkinson Disease - link
- Freezing of Gait and its Levodopa Paradox - link

**JAMA Oncology**
- Moving From Cancer Burden to Cancer Genomics for Smoldering Myeloma: A Review - link
- The Need for Combined Assessment of Multiple Outcomes in Non-inferiority Trials in Oncology - link

**JAMA Paediatrics**
- Association of Opioid Prescribing Patterns with Prescription Opioid Overdose in Adolescents and Young Adults - link
- Opioid Prescribing Patterns and Subsequent Overdose - link
**JAMA Psychiatry**  
- Applying Causal Inference Methods in Psychiatric Epidemiology: A Review - link

**JAMA Surgery**  
- Artificial Intelligence and Surgical Decision-Making - link

**Journal of the American Geriatrics Society**  
- Impact of Intensive Blood Pressure Therapy on Concern about Falling: Longitudinal Results from the Systolic Blood Pressure Intervention Trial (SPRINT) - link

**Journal of the Australian Healthcare & Hospitals Association**  
- eMental health service use among Australian youth: a cross-sectional survey framed by Andersen’s model - link

**Journal of Neurology Neurosurgery and Psychiatry**  
- Efficacy and safety of anti-inflammatory agents for the treatment of major depressive disorder: a systematic review and meta-analysis of randomised controlled trials - link

**Journal of Patient Safety**  
- Never Events in UK General Practice: A Survey of the Views of General Practitioners on Their Frequency and Acceptability as a Safety Improvement Approach - link

**Journal of Patient Safety and Risk Management**  
- Addressing need and formulating ideas to mitigate prescribing errors in pediatric settings - link

**Journal of Pharmacy Practice and Research (JPPR)**  
- Evaluation of the effect of direct oral anticoagulant availability on hospital presentations for bleeding related to oral anticoagulation in South Australia - link  
- Standard of practice in emergency medicine for pharmacy services - link  
- The case for developing pharmacist workforce capacity in addiction medicine - link

**Lancet**  
- Use of anastrozole for breast cancer prevention (IBIS-II): long-term results of a randomised controlled trial - link  
- Oseltamivir plus usual care versus usual care for influenza-like illness in primary care: an open-label, pragmatic, randomised controlled trial - link  
- Mortality and morbidity 1 year after stopping a remote patient management intervention: extended follow-up results from the telemedical intervention trial in patients with heart failure II (TIM-HF2) randomised trial - link  
- Antibiotic exposure among children younger than 5 years in low-income and middle-income countries: a cross-sectional study of nationally representative facility-based and household-based surveys - link  
- CDK4/6 inhibitor treatment for patients with hormone receptor-positive, HER2-negative, advanced or metastatic breast cancer: a US Food and Drug Administration pooled analysis - link  
- Efficacy of soluble fibre, antispasmodic drugs, and gut-brain neuromodulators in irritable bowel syndrome: a systematic review and network meta-analysis - link  
- Social inequalities in multimorbidity, frailty, disability, and transitions to mortality: a 24-year follow-up of the Whitehall II cohort study - link  
- Choosing GLP-1 receptor agonists or SGLT-2 inhibitors by cardiorenal risk - link  
- Comparative effects of 18 antipsychotics on metabolic function in patients with schizophrenia, predictors of metabolic dysregulation, and association with psychopathology: a systematic review and network meta-analysis - link

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**  
- Mixed-Method Study of Utilizing Portfolios to Document and Assess Co-Curricular Activities: Student and Advisor Perceptions - link
**New England Journal of Medicine**
- Metoprolol for the prevention of Acute Exacerbations of COPD - [link](#)
- Early High-Dose Vitamin D3 for Critically Ill, Vitamin D–Deficient Patients - [link](#)
- Review: Penicillin Allergy

**Pediatrics**
- Executive Summary: Identification, Evaluation, and Management of Children with Autism Spectrum Disorder - [link](#)
- Asthma and the Risk of Invasive Pneumococcal Disease: A Meta-analysis - [link](#)
- Burnout in Pediatric Residents: Three Years of National Survey Data - [link](#)
- Decreasing Resident Physician Burnout Requires a Multifaceted Approach - [link](#)
- Successful Use of Cidofovir in an Immunocompetent Child With Severe Adenoviral Sepsis - [link](#)

**Pharmacotherapy**
- Genetic Polymorphisms in Antioxidant Enzymes Modulate the Susceptibility of Idiosyncratic Antituberculous Drug-Induced Liver Injury and Treatment Outcomes in Patients with Tuberculosis - [link](#)
- Altered Pharmacokinetics and Dosing of Liposomal Amphotericin B and Isavuconazole during Extracorporeal Membrane Oxygenation - [link](#)
- Use of Direct Oral Anticoagulants in Morbidly Obese Patients - [link](#)

**Prescriber UK**
- Tackling the hidden problem of chronic wounds - [link](#)
- Drug-related deaths: practical responses to a growing problem - [link](#)

**Public Library of Science (PLOS)**
- Incidence of maternal peripartum infection: A systematic review and meta-analysis - [link](#)

**Thrombosis and Haemostasis**
- Broadening the Categories of Patients Eligible for Extended Venous Thromboembolism Treatment - [link](#)
- Reversal of Warfarin-Associated Major Hemorrhage: Activated Prothrombin Complex Concentrate versus 4-Factor Prothrombin Complex Concentrate - [link](#)

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**TAG Mail – 12 December 2019**

**Reports and Publications – Australia**

**Australian Institute for Health and Welfare (AIHW)**
- The health of Australia’s males - [link](#)
- The health of Australia’s females - [link](#)
- Patterns of alcohol and other drug treatment service use in Australia, 1/714 – 30/6/2018 - [link](#)
- Emergency department care 2018-19 - [link](#)
- Elective surgery 2018-19 - [link](#)
- Australia’s health performance topic on the AIHW website has been redesigned to be a gateway to the Australian Health Performance Framework [Indicators](#), the latest Australia's health report, other commonwealth. state and territory health agencies, and relevant AIHW health topic areas.

**NSW Health Intranet**
- State of the NSW Public Sector Report - [link](#)

**Pharmacy Council of NSW**
**PBS**  
- Efficient Funding of Chemotherapy Program - [link](#)

**TGA**  
- Medicinal cannabis manufacture - Technical guidance on the interpretation of the PIC/S Guide to GMP - [link](#)
- Registration of new or extended uses of registered medicine:
  -- Alirocumab (Praluent®) as an adjunct to diet and exercise to reduce LDL-C in adults with primary (heterozygous familial or non-familial) hypercholesterolaemia in patients with moderate to very high cardiovascular risk; to reduce the risk of cardiovascular events (myocardial infarction, stroke, unstable angina requiring hospitalisation) in adults with established cardiovascular disease, in combination with optimally dosed statins and/or other lipid-lowering therapies
  -- Cefuroxime (Cefuroxime ANS®, Cefuroxime SXP®) in adults and children of 40 kg or greater in weight for the prevention of infections associated with certain surgical procedures of the gastrointestinal (including oesophageal), orthopaedic, cardiovascular and gynaecological systems
  -- Certolizumab pegol (Cimzia®) for adults with active non-radiographic axial spondyloarthritis (nr-axSpA) with objective signs of inflammation as indicated by elevated C-reactive protein (CRP) and/or magnetic resonance imaging (MRI) change, who have had an inadequate response to, or are intolerant to, nonsteroidal anti-inflammatory drugs (NSAIDs).
  -- Darunavir/cobicistat/emtricitabine/tenofovir alafenamide (Symtuza®) as a complete regimen for the treatment of human immunodeficiency virus type 1 (HIV-1) infection in adults and adolescents (aged 12 years and older with weight at least 40 kg)
  -- Insulin degludec (Tresiba FlexTouch®, Tresiba Penfill®) for the treatment of diabetes mellitus in adolescents and children from the age of 1 year
  -- Labetalol (Labetalol RMB®, Labetalol SXP®, Labetalol TLB®) for the emergency treatment of severe hypertension when prompt and urgent reduction of blood pressure is essential
  -- Lorlatinib (Lorviqua®) provisional approval in Australia for the treatment of patients with anaplastic lymphoma kinase (ALK) positive advanced non-small cell lung cancer (NSCLC) whose disease has progressed on crizotinib and in at least one other ALK inhibitor; or, alectinib as the first ALK inhibitor therapy; or ceritinib as the first ALK inhibitor therapy
  -- Progesterone (Oripro® and (Utrogestan 200®): for prevention of preterm birth in singleton pregnancies at risk due to shortened cervix (midtrimester sonographic cervix ≤25 mm) and/or a history of spontaneous preterm birth
- Registration of new chemical entities in Australia:
  -- siponimod (Mayzent®) for adult patients with secondary progressive multiple sclerosis (SPMS)
  -- sodium glycerophosphate hydrate (Glycophos®) in adult and paediatric patients as a supplement to parenteral nutrition to meet the daily requirements of phosphate
  -- talazoparib tosilate (Talzenna®) for patients with a deleterious or suspected deleterious germline breast cancer susceptibility gene (BRCA) mutation according to a validated diagnostic test, who have human epidermal growth factor receptor 2 (HER2)-negative, locally advanced or metastatic breast cancer
  -- lorlatinib (Lorviqua®) provisional approval in Australia for the treatment of patients with anaplastic lymphoma kinase (ALK) positive advanced non-small cell lung cancer (NSCLC) whose disease has progressed on crizotinib and at least one other ALK inhibitor; or, alectinib as the first ALK inhibitor therapy; or ceritinib as the first ALK inhibitor therapy
  -- mecasermin (Increlex®) for the long-term treatment of growth failure in children and adolescents from 2 to 18 years with severe primary insulin-like growth factor 1 deficiency (Primary IGFD)

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**  
- Quality and safety of healthcare in Switzerland - [link](#)
- Unscheduled return visits to the emergency department with ICU admission: A trigger tool for diagnostic error - [link](#)
- Identifying medication errors in neonatal intensive care units: a two-center study - [link](#)
- Smart pumps improve medication safety but increase alert burden in neonatal care - [link]

**European Medicines Agency (EMA)**
- New EMA infographic describes journey of a medicine - [link]

**Food and Drug Administration (FDA) USA**
- New Drug approvals
  -- [atezolizumab](https://www.treatment.com/atezolizumab) (Tecentriq®) in combination with paclitaxel protein-bound and carboplatin, for the first-line treatment of adult patients with metastatic non-squamous non-small cell lung cancer with no EGFR or ALK genomic tumour

**General Pharmaceutical Council (GPhC) (Great Britain)**
- GPhC survey of registered pharmacy professionals shows the current picture of the pharmacy

**NHS Improvement**
- Risk of death and severe harm from ingesting superabsorbent polymer gel granules (2019) - [link]

**National Institute for Health and Clinical Excellence (NICE) UK**
- Perioperative care in adults – DRAFT guidance

**Public Health England**
- National measles guidelines - [link]
- Tetanus prone wounds posters – [link]

**Royal Pharmaceutical Society**
- Pharmacists suffer the mental health consequences of workplace pressures - [link]

**Salzburg Global Seminar & Institute for Healthcare (IHI)**
- Salzburg Global Fellows Design New Global Principles for Measuring Patient Safety - [link]

**Specialist Pharmacy Services**
- What steroid supplementation is required for a patient with primary adrenal insufficiency undergoing a dental procedure? - [link]
- New Medicines Newsletter November 2019 - [link]
- In use product safety assessment report for teriparatide - [link]
- NICE Bites – Cannabis-based medicinal products - [link]

**MEDICATION SAFETY**

**Electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Diovan® 3 mg/ml Oral Solution ([valsartan](https://www.medscape.com/article/439963)) - now licensed for hypertension in children aged 1 to 6 years. The SPC has been updated to include relevant information/guidance for use in this population.
  -- Tasigna™ ([nilotinib](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6462728/)) - updated to advise that in the paediatric population, growth retardation has been documented. Close monitoring of growth in paediatric patients is recommended.
  -- Plavix® ([clopidogrel](https://medscape.org/syllabus/clopidogrel)) tablets - now warns that as with other oral P2Y12 inhibitors, co-administration of opioid agonists has potential to delay and reduce absorption of clopidogrel, presumably because of slowed gastric emptying. The clinical relevance is unknown.

**EMA**
- EMA update on metformin diabetes medicines and N-nitrosodimethylamine (NDMA) impurities - [link]

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Prescriber Update – December 2019 includes:
  -- photosensitivity reactions – the other side of summer
-- the use of serotonin reuptake inhibitors in children and adolescents
-- haemolytic anaemia – sometimes caused by medicines
-- some medicines increase serum creatinine without affecting glomerular function

**TGA
- Update - Tocilizumab and hepatotoxicity - link

**PAPERS OF INTEREST
**American Journal of Health-System Pharmacy (AHJP)
- ASHP Foundation Pharmacy Forecast 2020: Strategic Planning Advice for Pharmacy Departments in Hospitals and Health Systems - link
- Hepatitis C virus infection and the role of a pharmaceutical care program - link

**Annals of Internal Medicine
- What Can Patient Safety Teach Us About Clinician Burnout? - link
- Predicting 6-Month Mortality for Older Adults Hospitalized with Acute Myocardial Infarction: A Cohort Study - link

**Australian Health Review
- Digital transformation of hospital quality and safety: real-time data for real-time action - link
- Framework for better care: reconciling approaches to patient safety and quality - link
- How Local Health Districts can prepare for the effects of climate change: an adaptation model applied to metropolitan Sydney - link
- Framework for better care: reconciling approaches to patient safety and quality - link

**British Journal of Clinical Pharmacology
- Population pharmacokinetic modelling and simulation of fremanezumab in healthy subjects and patients with migraine - link
- Is the use of metformin in patients undergoing dialysis hazardous for life? A systematic review of the safety of metformin in patients undergoing dialysis - link
- A review of the prescribing trend of thiazide-type and thiazide-like diuretics in hypertension: A UK perspective - link

**British Medical Journal (BMJ)
- Maternal diabetes during pregnancy and early onset of cardiovascular disease in offspring: population based cohort study with 40 years of follow-up - link
- Tuberculosis experts question evidence and safety data used to approve pretomanid in US - link
- Impact of oral anticoagulation in patients with atrial fibrillation at very low thromboembolic risk - link
- Republished case report: Statin-induced delayed rhabdomyolysis - link
- Review: Cognitive symptoms of Alzheimer’s disease: clinical management and prevention - link
- One size does not fit all: implementation of interventions for non-communicable diseases - link
- Does general anaesthesia affect neurodevelopment in infants and children? - link
- DTB Select: MHRA guidance on assessing renal function - link
- Antibiotic prescribing without documented indication in ambulatory care clinics: national cross sectional study - link
- Effectiveness of management strategies for uninvestigated dyspepsia: systematic review and network meta-analysis - link

**Circulation
- Older Adults in the Cardiac Intensive Care Unit: Factoring Geriatric Syndromes in the Management, Prognosis, and Process of Care: A Scientific Statement from the American Heart Association - link

**Cochrane
- Iron therapy for preoperative anaemia - link
- Community pharmacy interventions for health promotion: effects on professional practice and health outcomes - link
- Corticosteroids for treating sepsis in children and adults - link
- Hepatitis A immunisation in persons not previously exposed to hepatitis A - link
- (Ultra-)long-acting insulin analogues for people with type 1 diabetes mellitus - link

**European Heart Journal**
- Acute myocardial infarction treatments and outcomes in 6.5 million patients with a current or historical diagnosis of cancer in the USA - link
- European Society of Cardiology: Cardiovascular Disease Statistics 2019 - link
- Long-term ticagrelor for secondary prevention in patients with prior myocardial infarction and no history of coronary stenting; insights from PEGASUS-TIMI 54 - link
- Screening for atrial fibrillation: a call for evidence - link
- Vascular responses to coronary calcification following implantation of newer-generation drug-eluting stents in humans: impact on healing - link

**European Journal of Hospital Pharmacy**
- Improved utilisation of venous thromboembolism prophylaxis in renal-impaired patients following a clinical pharmacist intervention - link
- A rare case of acute hepatitis with jaundice during treatment of human immunodeficiency virus infection with E/C/F/TAF - link

**Health Expectations**
- A citizens' jury on euthanasia/assisted dying: Does informed deliberation change people's views? – link

**Implementation Science**
- Implementation effectiveness of health interventions for indigenous communities: a systematic review - link

**Internal Medicine Journal**
- Clinical Leadership Development in Australian Healthcare; A Systematic Review - link
- Epidemiology, symptomatology and treatment of patients with myasthenia gravis in an Australian hospital - link

**International Journal for Quality in Health Care**
- The analysis of the use of potentially inappropriate medications in elderly in the Slovak Republic - link
- Screening for impaired liver function as a risk factor for drug safety at hospital admission of surgical patients - link

**International Journal of Quality in Health Care**
- The role of organizational and professional cultures in medication safety: a scoping review of the literature - link
- Institutionalizing quality within national health systems: key ingredients for success - link
- Measuring quality and impact of telehealth services in home dialysis patients - link

**JAMA**
- Clinical Challenge: A Patient with Psychiatric Illness and Multiple Hemorrhages

**JAMA Internal Medicine**
- Risk of Nephrogenic Systemic Fibrosis in Patients With Stage 4 or 5 Chronic Kidney Disease Receiving a Group II Gadolinium-Based Contrast Agent. A Systematic Review and Meta-analysis - link

**JAMA Network Open**
- Association of Patient, Prescriber, and Region With the Initiation of First Prescription of Biologic Disease—Modifying Antirheumatic Drug among Older Patients with Rheumatoid Arthritis and Identical Health Insurance Coverage - link
- Association of β-Blocker Use with Heart Failure Hospitalizations and Cardiovascular Disease Mortality among Patients with Heart Failure With a Preserved Ejection Fraction: A Secondary Analysis of the TOPCAT Trial - link
- Association of Aspirin Use with Mortality Risk among Older Adult Participants in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial - link

**JAMA Neurology**
- Active Immunotherapy to Prevent Alzheimer Disease—A DNA Amyloid β 1-42 Trimer Vaccine - link
- Safety and Efficacy of Intra-arterial Urokinase after Failed, Unsuccessful, or Incomplete Mechanical Thrombectomy in Anterior Circulation Large-Vessel Occlusion Stroke - link
- Association between Breastfeeding and Postpartum Multiple Sclerosis Relapses: A Systematic Review and Meta-analysis - link
- Guideline synopsis: Pharmacologic Acute and Preventive Treatment for Migraine in Children and Adolescents

**JAMA Oncology**
- Immune Status and Associated Mortality After Cancer Treatment among Individuals With HIV in the Antiretroviral Therapy Era - link
- Body Composition, Adherence to Anthracycline and Taxane-Based Chemotherapy, and Survival after Non-metastatic Breast Cancer - link

**JAMA Otolaryngology–Head & Neck Surgery**
- Association of Immunosuppression With Outcomes of Patients With Cutaneous Squamous Cell Carcinoma of the Head and Neck - link

**JAMA Psychiatry**
- Computational Markers of Risky Decision-making for Identification of Temporal Windows of Vulnerability to Opioid Use in a Real-world Clinical Setting - link

**JAMIA (Journal of the American Medical Informatics Association)**
- Learning from electronic health records across multiple sites: A communication-efficient and privacy-preserving distributed algorithm - link

**Journal for Healthcare Quality**
- A Systematic Review of Clinical Outcomes Associated with Intrahospital Transitions - link

**Journal of the American College of Cardiology**
- Effects of Statins on Memory, Cognition, and Brain Volume in the Elderly - link

**Journal of the Australian Healthcare & Hospitals Association**
- Liability and collaborative arrangements for nurse practitioner practice in Australia - link
- Do disasters predict international pharmacy legislation? - link

**Journal of Clinical Oncology**
- CYP2D6 Genotype Predicts Tamoxifen Discontinuation and Prognosis in Patients with Breast Cancer - link
- Immune Checkpoint Inhibitor Therapy in Patients with Pre-existing Inflammatory Bowel Disease - link

**Journal of Palliative Medicine**
- Diphenhydramine Use Disorder and Complicated Withdrawal in a Palliative Care Patient - link

**Lancet**
- Apomorphine sublingual film for off episodes in Parkinson's disease: a randomised, double-blind, placebo-controlled phase 3 study - link
- Irbesartan in Marfan syndrome (AIMS): a double-blind, placebo-controlled randomised trial - [link]
- A comprehensive assessment of universal health coverage in 111 countries: a retrospective observational study - [link]
- Olanzapine 5 mg plus standard antiemetic therapy for the prevention of chemotherapy-induced nausea and vomiting (J-FORCE): a multicentre, randomised, double-blind, placebo-controlled, phase 3 trial - [link]
- Implementation of non-communicable disease policies: a geopolitical analysis of 151 countries - [link]

**Molecular Diversity Preservation International (MDPI)
- Pharmacists as Immunizers: The Role of Pharmacies in Promoting Immunization Campaigns and Counteracting Vaccine Hesitancy - [link]
- Implementation of an Extended-Infusion Piperacillin-Tazobactam Dosing Protocol: Unexpected Findings when Monitoring Safety and Compliance with Smart Pump Technology - [link]
- Moving the Needle: A 50-State and District of Columbia Landscape Review of Laws Regarding Pharmacy Technician Vaccine Administration - [link]

**Medical Journal of Australia
- Predictors of Manuscript Rejection Syndrome (MiSeRY): a cohort study - [link]

**My DiabetesTeam - Survey
- People with diabetes want more information and support rather than new treatments - [link]

**National Institute for Health Research (NIHR)
- NIHR Signals
- Continuing an anticoagulant at home after abdominal surgery cuts thrombosis risk - [link]
- Taking blood pressure medications at night seems best - [link]
- Stopping smoking is unlikely to worsen symptoms of ulcerative colitis - [link]

**NPS MedicineWise
- Dementia and psychotropic medicines - [link]

**Prescrire – French Medical Journal
- Updated list of "Drugs to avoid, in the name of better patient care" is published by independent French journal Prescrire - [link]

**Public Library of Science (PLOS)
- The importance of adherence in tuberculosis treatment clinical trials and its relevance in explanatory and pragmatic trials - [link]
- Acute kidney injury and adverse renal events in patients receiving SGLT2-inhibitors: A systematic review and meta-analysis - [link]
- Antenatal magnesium sulphate and adverse neonatal outcomes: A systematic review and meta-analysis - [link]

**The National Academies Press
- Regulating Medicines in a Globalized World: The Need for Increased Reliance among Regulators - [link]

**Thrombosis and Haemostasis
- Individual Patient Data Pooled Analysis of Randomized Trials of Bivalirudin versus Heparin in Acute Myocardial Infarction: Rationale and Methodology - [link]
**Australian Institute for Health and Welfare (AIHW)
- National asthma indicators – an interactive overview - [link](#)
- National cancer screening programs participation data - [link](#)
- National Cervical Screening Program monitoring report 2019 - [link](#)
- National suicide monitoring of serving and ex-serving Australian Defence Force personnel: 2019 update - [link](#)
- Medications dispensed to contemporary ex-serving Australian Defence Force members, 2017–18 - [link](#)
- Use of homelessness services by contemporary ex-serving Australian Defence Force members 2011–17 - [link](#)
- Scoping enhanced measurement of child wellbeing in Australia - [link](#)

**NSW Health Intranet
- State of the NSW Public Sector Report - [link](#)

**PBS
- Biosimilar trastuzumab on the PBS - information for health professionals and patients - [link](#)
- PBS Website Update - 1 December 2019 - [link](#)
- PBAC Public Summary Documents - August 2019 Intracycle meeting - [link](#)
- Revised risperidone PBS listings for behavioural and psychological symptoms of dementia from 1 January 2020 - [link](#)

**TGA
- Outcomes: Changes to permissible ingredients - Low-negligible risk - [link](#)
- High-moderate risk changes to permissible ingredients - Andrographis paniculata - [link](#)
- Changes to the label warning statement requirements for menthol & methyl salicylate - [link](#)
- AusPARs:
  - Lifitegrast (Xiidra®) for moderate to severe dry eye disease in adults for whom prior use of artificial tears has not been sufficient

REPORTS AND PUBLICATIONS – INTERNATIONAL

**Canadian Agency for Drugs and Technologies in Health
- Rapid response: Codeine for Acute Pain for Urological or General Surgery Patients: A Review of Clinical Effectiveness - [link](#)

**Food and Drug Administration (FDA)
- Toujeo™ (insulin glargine) approved for expanded indication to treat childhood type 1 diabetes - [link](#)

**General Pharmaceutical Council (Great Britain)
- New guidance for pharmacist prescribers to ensure safe and effective prescribing - [link](#)

**Local Government Association (LGA) and the Social Care Institute for Excellence (SCIE) (UK)
- Achieving integrated care - 15 best practice actions - [link](#)

**NHS Digital
- Statistics on Drug Misuse, England, 2019 - [link](#)

**NHS Improvement
- Provisional publication of Never Events reported as occurring between 1 April and 31 October 2019 - [link](#)

**Specialist Pharmacy Services
- When and how can dentists supply medicines? - [link](#)
- What are the excipients in toothpastes? - [link]
- How can nausea and vomiting be treated during pregnancy? – [link]
- How do I use Cosmofer (iron dextran) total dose infusion for correction of iron deficiency anaemia? – [link]
- How is an intravenous aminophylline dose converted to an oral aminophylline or theophylline dose? – [link]
- Low molecular weight heparins – should prophylactic doses be used in patients with renal impairment? - [link]

**Therapeutics Initiative Canada**
- Dr Joanna Moncrieff: Drug treatment for bipolar disorder and psychosis - [link]

**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Primene® 10% amino acids infusion solution - updated to advise that when used in neonates and children below 2 years of age, the solution (in bottles and administration sets) should be protected from light exposure until administration is completed.
  -- Neulasta® (pegfilgrastim) – now contains warnings on Stevens-Johnson syndrome. Treatment should be discontinued in affected patients.
  -- Xermel® (telotristat ethyl) – warnings strengthened on risk of depressive disorders and now includes the following: depression/depressed mood (common), nausea (very common) and intestinal obstruction (uncommon).
  -- Femara® (letrozole) - now with warnings about the risk of tendonitis and tendon rupture.
  -- Pentasa® (mesalazine) Sachets - now advises on another administration method in which the entire content of the sachet can be taken with yogurt and consumed immediately.
  -- OncoTICE® (BCG powder for injection) – now includes vasculitis as a possible symptom of systemic BCG infections.
  -- Imfinzi® (durvalumab) – now reports myasthenia gravis as a rare adverse effect. Permanently discontinue durvalumab if there are signs of muscular weakness or respiratory insufficiency,

**Institute for Safe Medication Practices (ISMP) USA**
- Medication Errors: The Year in Review - [link]
- Medication Safety Alert! December 5, 2019
- QuarterWatchTM (includes new data from Quarter 2, 2019): Methotrexate Errors, Trends Among Addictive Drugs, and Underreporting of Serious Events
  -- Tragic error involving fentaNYL nasal spray
  -- Only one bortezomib product can be used subcutaneously
  -- Shiny foil causes reading and scanning difficulty
  -- Double trouble: similar drug names and labels

**TGA**
- Safety review of coumarin in topical listed medicines - [link]
- EpiPen Jr - Safety advisory - conditional release of one batch to alleviate shortage - [link]

**PAPERS OF INTEREST**

**American Journal of Health-System Pharmacy (AHJP)**
- Effect of medication reconciliation interventions on outcomes: A systematic overview of systematic reviews - [link]
- Medication reconciliation studies: High quantity, low quality - [link]
- ASHP Statement on the Role of the Medication Safety Leader - [link]
- Aspirin rechallenge in an adult patient previously diagnosed with Reye syndrome - [link]
- Pharmacists’ prescribing authority: The Oregon approach - [link]
**British Journal of Clinical Pharmacology**
- The safety of amoxicillin and clavulanic acid use during the first trimester of pregnancy - [link](#)
- Effectiveness of medication review on the number of drug-related problems in patients visiting the outpatient cardiology clinic: A randomized controlled trial - [link](#)
- Impact of pharmaceutical care on the quality of life of patients with heart failure due to chronic Chagas disease: Randomized clinical trial - [link](#)

**British Journal of General Practice**
- Evaluation of a primary care-based opioid and pain review service: a mixed-methods evaluation in two GP practices in England - [link](#)

**British Medical Journal (BMJ)**
- Investigating cortisol excess or deficiency: a practical approach - [link](#)
- Dangers of selective NSAID prescribing in Quality and Outcomes Framework - [link](#)
- Vortioxetine treatment for generalised anxiety disorder: a meta-analysis of anxiety, quality of life and safety outcomes - [link](#)
- Pharmacological and behavioural interventions to promote smoking cessation in adults with schizophrenia and bipolar disorders: a systematic review and meta-analysis of randomised trials - [link](#)
- DTB Select: Duration and severity of antidepressant withdrawal effects - [link](#)
- Case report: Dapagliflozin (SGLT2-i) induced euglycaemic diabetic ketoacidosis - [link](#)
- Case report: Partial nephrogenic diabetes insipidus associated with lithium therapy - [link](#)
- Ablation therapy in atrial fibrillation - [link](#)
- Management of severe acute pancreatitis - [link](#)

**Circulation**
- How Did We Get Here?: A Historical Review and Critical Analysis of Anticoagulation Therapy Following Mechanical Valve Replacement - [link](#)

**Cochrane**
- Metformin for prevention or delay of type 2 diabetes mellitus and its associated complications in persons at increased risk for the development of type 2 diabetes mellitus - [link](#)
- Intermittent preventive treatment for malaria in infants - [link](#)
- Intravenous immunoglobulins for epilepsy - [link](#)
- GM-CSF (granulocyte macrophage colony stimulating factor) supplementation in culture media for women undergoing assisted reproductive technology (ART) - [link](#)
- Treatment and prevention of pouchitis after ileal pouch-anal anastomosis for chronic ulcerative colitis - [link](#)

**Diabetes Care**
- Mortality Implications of Prediabetes and Diabetes in Older Adults - [link](#)

**Diabetes, Obesity and Metabolism**
- Fournier's gangrene and sodium-glucose co-transporter-2 inhibitors: A meta-analysis of randomized controlled trials - [link](#)

**European Journal of Hospital Pharmacy**
- EAHP European Statements Survey 2018, focusing on Section 1: Introductory Statements and Governance, Section 3: Production and Compounding, and Section 4: Clinical Pharmacy Services - [link](#)

**European Urology**
- Safety and Efficacy of Mirabegron: Analysis of a Large Integrated Clinical Trial Database of Patients with Overactive Bladder Receiving Mirabegron, Antimuscarinics, or Placebo – [link](#)

**International Journal of Clinical Pharmacy**

*NSW TAG Mail_July to December 2019_Cumulative Issue*
- Economic impact of Patient’s Own Medication use during hospitalisation: a multicentre pre-post implementation study - link

**International Journal for Quality in Health Care**
- Contemporaneous patient and health professional views of patient-centred care: a systematic review - link

**JAMA Network Open**
- Comparison of Rural vs Urban Direct-to-Physician Commercial Promotion of Medications for Treating Opioid Use Disorder - link
- Hypertension in Patients Treated with Ibrutinib for Chronic Lymphocytic Leukemia - link

**JAMA Neurology**
- Dopamine-Mediated Yawning-Fatigue Syndrome with Specific Recurrent Initiation and Responsiveness to Opioids - link
- Fenfluramine for Treatment-Resistant Seizures in Patients with Dravet Syndrome Receiving Stiripentol-Inclusive Regimens. A Randomized Clinical Trial - link

**JAMA Oncology**
- Listeria Susceptibility in Patients With Multiple Myeloma Receiving Daratumumab-Based Therapy - link

**JAMIA (Journal of the American Medical Informatics Association)**
- Reducing drug prescription errors and adverse drug events by application of a probabilistic, machine-learning based clinical decision support system in an inpatient setting - link

**Journal of Palliative Medicine**
- Retrospective Review of the Use of Transdermal Buprenorphine Patches (Butrans) in a Pediatric Population - link

**Journal of Pharmacy Practice and Research (JPPR)**
- Uptake of cardiovascular health checks in community pharmacy versus general practice - link
- Time for a CHAT? A pilot study of the implementation of the Competency Handbook for Assistants and Technicians (CHAT) - link
- Effect of an integrated clinical pharmacy service with the general medical units on patient flow and medical staff satisfaction: a pre- and post-intervention study - link
- What proportion of unplanned re-presentations to an emergency department are medication-related and preventable? - link
- Systematic review of expanded practice in rural community pharmacy - link
- Acquired multidrug-resistant Candida glabrata in Australia: a case report - link

**Lancet**
- Reducing antibiotic resistance through antibiotic stewardship in the ambulatory setting - link
- Ultrasound-accelerated catheter-directed thrombolysis versus anticoagulation for the prevention of post-thrombotic syndrome (CAVA): a single-blind, multicentre, randomised trial - link
- Iodine and folate—essential for mothers to be - link
- Pharmacoepidemiology research: delivering evidence about drug safety and effectiveness in mental health - link
- Muscular dystrophies - link
- Sebaceous carcinoma: evidence-based clinical practice guidelines - link
- Prognostic value of patient-reported outcomes from international randomised clinical trials on cancer: a systematic review - link
- Application of non-HDL cholesterol for population-based cardiovascular risk stratification: results from the Multinational Cardiovascular Risk Consortium - link

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- An Integrated Health-System Specialty Pharmacy Model for Coordinating Transitions of Care: Specialty Medication Challenges and Specialty Pharmacist Opportunities - link
- Polypharmacy and Pharmacological Treatment of Diabetes in Older Individuals: A Population-Based Study in Quebec, Canada - link

**Medical Journal of Australia**
- Updated guidelines for the management of paracetamol poisoning in Australia and New Zealand - link

**Pediatrics**
- Non–β-Lactam Antibiotic Hypersensitivity Reactions - link
- An Update to the American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care:
  -- 2019 American Heart Association Focused Update on Pediatric Advanced Life Support
  -- 2019 American Heart Association Focused Update on Pediatric Basic Life Support
  -- 2019 American Heart Association Focused Update on Neonatal Resuscitation

**Pharmacotherapy**
- Naloxone Administration by Untrained Community Members - link

**Public Library of Science (PLOS)**
- Maternal prescribed opioid analgesic use during pregnancy and associations with adverse birth outcomes: A population-based study - link
- Prescription of benzodiazepines, z-drugs, and gabapentinoids and mortality risk in people receiving opioid agonist treatment: Observational study based on the UK Clinical Practice Research Datalink and Office for National Statistics death records - link

**Thrombosis and Haemostasis**
- Efficacy and Safety of Non-vitamin K Oral Anticoagulants in Patients with Atrial Fibrillation and Cancer: A Study-Level Meta-Analysis - link

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**Audit Office of New South Whales**
- Health 2019 report - This report focuses on key observations and findings from the most recent financial audits of the Ministry of Health, local health districts, specialty health networks, health corporations and independent health agencies in New South Wales. The report also summarises self-reported performance measures across the network.

**AHHA**
- The Health Advocate Podcast Episode 17 - The 2019 John Deeble Lecture: Panel Discussion - link

**Australian Institute for Health and Welfare (AIHW)**
- Maternal deaths in Australia - link

**Department of Health**
- Australia’s Physical Activity and Sedentary Behaviour Guidelines and the Australian 24-Hour Movement Guidelines - link

**NSW Health Intranet**
- Annual Report 2018-19 NSW Health - link

**Pharmacy Council of NSW**
- Spring newsletter 2019 - [link]

**PBS**
- PBS Process Improvements Information Forum – Webinar Recording and Resources Available - [link]
- Take Home Naloxone Pilot to launch 1 December 2019 - [link]

**TGA**
- Publishing results of listed medicine compliance reviews - [link]
- Frequently asked questions: sports supplements proposal and consultation - [link]
- Update to listed medicine ingredients in November 2019 - [link]
- AusPARs:
  -- **Nivolumab** (Opdive®): as monotherapy, for the treatment of patients with locally advanced unresectable or metastatic urothelial carcinoma after prior platinum containing therapy.
  -- **Mepolizumab** (Nucala®): add-on treatment for relapsing or refractory Eosinophilic Granulomatosis with Polyangiitis (EGPA) in adult patients aged 18 years and over.
  -- **Lifitegrast** (Xiidra®): for moderate to severe dry eye disease in adults for whom prior use of artificial tears has not been sufficient.
- Registration of new or extended uses of registered medicine:
  -- Acalabrutinib receives TGA approval for CLL and SLL cancers - [link]

**Victorian Institute of Forensic Medicine**
- Residential Aged Care Communiqué – November

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Highlights from AHRQ's Patient Safety Network - [link]

**Canadian Agency for Drugs and Technologies in Health**
- Post-Operative Prophylactic Antibiotics for Patients Undergoing Hip Fracture Repair Surgery or Hip Arthroplasty: A Review of Clinical Effectiveness and Guidelines - [link]

**Care Policy and Evaluation Centre**
- Projections of older people living with dementia and costs of dementia care in the United Kingdom, 2019–2040 – [link]

**electronic Medicines Compendium (eMC) (UK)**
- New products / new indication
  - Darzalex™ (daratumumab)- updated to include a new licensed indication; as monotherapy for adult patients with relapsed and refractory multiple myeloma, whose prior therapy included a proteasome inhibitor and an immunomodulatory agent.
  - **Dasatinib** (Zentiva™): first generic version of dasatinib monohydrate; licensed for adult patients with Philadelphia chromosome positive (Ph+) acute lymphoblastic leukaemia (ALL) and paediatric patients with newly diagnosed Ph+ ALL in combination with chemotherapy.

**Food and Drug Administration (FDA) USA**
- Statement on efforts to help make development of biosimilar and interchangeable insulin products more efficient - [link]
- New Drug approvals
  -- **insulin glargine recombinant** (Toujeo Max Solostar®/ Toujeo Solostar®) expansion of the patient population to include pediatric patients ages 6-17 years with diabetes mellitus.
  -- **givosiran** (Glvlaar®) injection for treatment of adults with acute hepatic porphyria (AHP).
  -- **fulvestrant** (Faslodex®) in pre/peri and postmenopausal women with HR+, HER2-negative advanced or metastatic breast cancer whose disease progressed following prior endocrine therapy.
  -- **acalabrutinib** (Calquence®) for the treatment of adult patients with chronic lymphocytic leukemia (CLL) leukaemia or small lymphocytic lymphoma (SLL).

NSW TAG Mail_July to December 2019_Cumulative Issue 20
**Health Canada**
- Health Product InfoWatch, November 2019

**Health Quality & Safety Commission New Zealand**
- Health Quality & Safety Commission e-digest – Issue 108
- 2018/19 adverse events report - link

**Joint Commission**
- Medication Administration - Titration Orders - link

**National Pharmacy Association (UK)**
- NPA medication safety update (MSO report) Quarter 3 2019 (England) - link

**National Institute for Health and Clinical Excellence (NICE) UK**
- Clinical Guideline (CG164): Familial breast cancer- classification, care and managing breast cancer and related risks in people with a family history of breast cancer
- Neratinib for extended adjuvant treatment of hormone receptor-positive, HER2-positive early stage breast cancer after adjuvant trastuzumab – guidance (TA612)
- Diverticular disease: diagnosis and management – guidance (NG147)

**Royal Pharmaceutical Society**
- Oral retinoids and pregnancy prevention - what you need to know - link
- European Healthcare Distribution Association suggests manufacturing problems cause 60% of medicines shortages – link
- Pharmacists’ Defence Association issues ‘urgent’ guidance following serious incidents including fatalities involving primary care pharmacist prescribers - link
- Coroner writes to NICE over lack of prescribing guidance for amitriptyline and oxycodone – link
- GPs vote for pharmacists to have power to substitute medicines during shortages – link

**The King’s Fund (UK)**
- Leading for integrated care: ‘If you think competition is hard, you should try collaboration’ - link

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Kyprolis™ (carfilzomib): Hepatitis B Virus (HBV) reactivation and progressive multifocal leukoencephalopathy (PML) reported. Screen patients for HBV before treatment and monitor for any new or worsening neurologic, cognitive or behavioural signs and symptoms suggestive of PML.
  -- Picato™ (ingenol mebutate) Gel: Post-marketing reports received of keratoacanthoma/basal cell carcinoma/Bowen’s disease/squamous cell carcinoma within treatment area within weeks to months following use of ingenol gel. Caution advised in patients with history of cutaneous malignancy.
  -- Desitrend™ (levetiracetam): Delirium and encephalopathy added as rare (≥1/10,000 to <1/1,000) adverse effects.
  -- Venofer™ (iron sucrose): revised to warn foetal bradycardia may occur (though usually transient and a consequence of a hypersensitivity reaction in the mother). Carefully monitor the unborn baby during administration of parenteral iron to pregnant women.
  -- Ibrance™ (palbociclib): Interstitial lung disease and/or pneumonitis added as adverse effects of treatment; together with relevant discontinuation recommendations. The median duration of palbociclib treatment was 12.7 months.
  -- Octasa™ (mesalazine): Nephrolithiasis (kidney stones) added as an adverse effect (unknown frequency).
  -- Enbrel™ (etanercept): Inflammatory bowel disease has been added as an adverse effect (uncommon).

MEDICATION SAFETY

**NSW TAG Mail_July to December 2019_Cumulative Issue**
-- Olumiant (baricitinib): now advises that if clinical features of DVT/PE occur, discontinue baricitinib and evaluate patients promptly, followed by appropriate treatment (previously warned that it should only be temporarily interrupted should VTE occur).

-- Steglatro (ertugliflozin) tablets - now advises that treatment should be interrupted in patients who are hospitalised for major surgical procedures or acute serious medical illnesses and that monitoring of ketones is recommended. Treatment can be resumed when the patient's condition has stabilised.

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Yellow fever vaccine: stronger precautions in people with weakened immunity and in those aged 60 years or older - [link](#)

**PAPERS OF INTEREST**

**American Journal of Health-System Pharmacy (AHJP)**
- Improving hospital pharmacy inventory management using data segmentation - [link](#)
- Reporting of adverse drug events in the Veterans Health Administration for patients whose treatment with empagliflozin or apixaban was discontinued - [link](#)

**Annals of Internal Medicine**
- Altered Risk for Cardiovascular Events with Changes in the Metabolic Syndrome Status: A Nationwide Population-Based Study of Approximately 10 Million Persons - [link](#)

**British Journal of Clinical Pharmacology**
- CD4+ count-dependent concentration–effect relationship of rituximab in rheumatoid arthritis - [link](#)
- Using GRADE methodology to assess innovation of new medicinal products in Italy - [link](#)

**British Journal of Psychiatry**
- Incidence of ischaemic heart disease and stroke among people with psychiatric disorders: retrospective cohort study - [link](#)

**British Medical Journal (BMJ)**
- Comparison of warfarin versus antiplatelet therapy after surgical bioprosthetic aortic valve replacement - [link](#)

**Circulation**
- Patients with Atrial Fibrillation Taking Nonsteroidal Anti-Inflammatory Drugs and Oral Anticoagulants in the ARISTOTLE Trial – [link](#)
- Effect of Empagliflozin on Left Ventricular Mass in Patients With Type 2 Diabetes Mellitus and Coronary Artery Disease: The EMPA-HEART CardioLink-6 Randomized Clinical Trial - [link](#)

**Cochrane**
- Selective serotonin reuptake inhibitors (SSRIs) for stroke recovery - [link](#)
- Antibiotics for asymptomatic bacteriuria in pregnancy - [link](#)
- Multiple drug combinations of bortezomib, lenalidomide, and thalidomide for first-line treatment in adults with transplant-ineligible multiple myeloma: a network meta-analysis - [link](#)
- Comparison of different human papillomavirus (HPV) vaccine types and dose schedules for prevention of HPV-related disease in females and males - [link](#)
- Indomethacin for intracranial hypertension secondary to severe traumatic brain injury in adults - [link](#)
- Interventions for idiopathic steroid-resistant nephrotic syndrome in children - [link](#)
- Pharmacological interventions for the prevention of acute postoperative pain in adults following brain surgery - [link](#)
- Interventions for preventing osteoradionecrosis of the jaws in adults receiving head and neck radiotherapy - [link](#)
- Long-term GnRH agonist therapy before in vitro fertilisation (IVF) for improving fertility outcomes in women with endometriosis - [link](#)
**European Heart Journal**
- Optimizing heart failure management: anticoagulation, diuretic withdrawal, iron substitution, and novel inotropes - [link](#)
- Iron deficiency in worsening heart failure is associated with reduced estimated protein intake, fluid retention, inflammation, and antiplatelet use - [link](#)
- Short-term diuretic withdrawal in stable outpatients with mild heart failure and no fluid retention receiving optimal therapy: a double-blind, multicentre, randomized trial - [link](#)
- A comprehensive analysis of the effects of rivaroxaban on stroke or transient ischaemic attack in patients with heart failure, coronary artery disease, and sinus rhythm: the COMPARATOR HF trial - [link](#)
- Clinical review on triglycerides - [link](#)

**European Journal of Hospital Pharmacy**
- The cannabis conundrum - [link](#)

**Internal Medicine Journal**
- Guillain-Barré syndrome: clinical features, treatment choices and outcomes in an Australian cohort - [link](#)
- Clinical decision support in a hospital electronic prescribing system informed by local data: experience at a tertiary New Zealand centre - [link](#)
- Low Serum Albumin Levels Predict Short- and Long-Term Mortality Risk in Patients Hospitalized to General Surgery Wards - [link](#)
- Non-alcoholic fatty liver disease (NAFLD): a review of epidemiology, risk factors, diagnosis and management - [link](#)
- Lupus Nephritis in Indigenous Australians – A single centre study - [link](#)
- Do clinical nurse specialist led stroke follow-up clinics reduce post-stroke hospital readmissions and recurrent vascular events? - [link](#)

**International Journal of Clinical Pharmacy**
- Interdisciplinary medication review to improve pharmacotherapy for patients with intellectual disabilities - [link](#)
- Benefits, risks and impacts on quality of life of medications used in multimorbid older adults: a Delphi study - [link](#)

**JAMA**
- Bladder Pain Syndrome in Women - [link](#)
- Cannabidiol Products Are Everywhere, but Should People Be Using Them? - [link](#)
- Cardiovascular Disease (CVD) Prevention at a Crossroads: Precision Medicine or Polypill? - [link](#)

**JAMA Cardiology**
- Association Between Obesity-Mediated Atrial Fibrillation and Therapy with Sodium Channel Blocker Antiarrhythmic Drugs - [link](#)

**JAMA Internal Medicine**
- Association of Anticoagulant Therapy with Risk of Fracture Among Patients With Atrial Fibrillation - [link](#)
- Bridging Anticoagulation Therapy. A Teachable Moment - [link](#)

**JAMA Network Open**
- Association between Acute Gastroenteritis and Continuous Use of Proton Pump Inhibitors during Winter Periods of Highest Circulation of Enteric Viruses - [link](#)
- Association between Marijuana Use and Risk of Cancer: A Systematic Review and Meta-analysis - [link](#)
- Consistency of Recommendations for Evaluation and Management of Hypertension - [link](#)
**JAMA Oncology**
- Listeria Susceptibility in Patients With Multiple Myeloma Receiving Daratumumab-Based Therapy - link

**JAMA Ophthalmology**
- Risk of Death Associated with Intravitreal Anti–Vascular Endothelial Growth Factor Therapy: A Systematic Review and Meta-analysis - link

**JAMA Paediatrics**
- Omalizumab for Atopic Dermatitis: Overtreatment or Lifesaver? - link
- Treatment Effect of Omalizumab on Severe Pediatric Atopic Dermatitis: The ADAPT Randomized Clinical Trial - link

**JAMA Surgery**
- Association of Increasing Use of Spinal Anesthesia in Hip Fracture Repair with Treating an Aging Patient Population - link

**JAMIA (Journal of the American Medical Informatics Association)**
- Adverse drug event rates in pediatric pulmonary hypertension: a comparison of real-world data sources - link

**Journal of the Australian Healthcare & Hospitals Association**
- Queensland Digital Health Clinical Charter: a clinical consensus statement on priorities for digital health in hospitals - link
- Safeguarding injured Victorians: development and implementation of an evidence-informed system to manage therapeutic uncertainty and decision making in a compensable environment - link
- Accuracy checking of dispensed medications by a pharmacy technician: a hospital case study - link
- Trends in opioid prescribing in Australia: a systematic review - link

**Journal of Patient Safety and Risk Management**
- Identifying quality improvement opportunities using patient complaints: Feasibility of using a complaints taxonomy in a metropolitan maternity service - link
- The golden moment after an adverse event - link

**Lancet**
- Physical activity and skeletal health in adults - link
- On-demand pre-exposure prophylaxis with tenofovir disoproxil fumarate plus emtricitabine among men who have sex with men with less frequent sexual intercourse: a post-hoc analysis of the ANRS IPERGAY trial – link
- Drug-resistant tuberculosis in eastern Europe and central Asia: a time-series analysis of routine surveillance data - link
- Review: Acute kidney injury - link
- Series: HIV Outcomes beyond Viral Suppression - link

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Validation of a Novel Electronic Device for Medication Adherence Monitoring of Ambulatory Patients - link
- Impact of Pharmacist Involvement on Telehealth Transitional Care Management (TCM) for High Medication Risk Patients - link
- PRN Medicines Management for Psychotropic Medicines in Long-Term Care Settings: A Systematic Review - link

**Medical Journal of Australia**
- Rescheduling codeine-containing analgesics reduced codeine-related hospital presentations - link

 NSW TAG Mail_July to December 2019_Cumulative Issue
- Sex and gender in health research: updating policy to reflect evidence - [link]

**National Osteoporosis Foundation**
- Medicare cost of osteoporotic fractures: The clinical and cost burden of an important consequence of osteoporosis – [link]

**New England Journal of Medicine**
- Dapagliflozin in Patients with Heart Failure and Reduced Ejection Fraction - [link]
- Randomized Trial of Three Anticonvulsant Medications for Status Epilepticus - [link]
- Clinical Practice: Essential Thrombocythemia

**National Institute for Health Research (NIHR) Signals**
- Combined drug therapy for at least 36 weeks reduces relapse after psychotic depression - [link]
- A less healthy lifestyle increases the risk of dementia - [link]
- Telephone-delivered CBT can provide lasting benefits for people with IBS - [link]
- Losing weight following type 2 diabetes diagnosis boosts chance of remission - [link]

**Pediatrics**
- A National Approach to Pediatric Sepsis Surveillance - [link]
- Perinatal Palliative Care – [link]
- Interventions for Occluded Central Venous Catheters: A Meta-analysis - [link]

**Paediatrics**
- Previsit Screening for Parental Vaccine Hesitancy: A Cluster Randomized Trial - [link]

**Pharmacotherapy**
- Oral Anticoagulant Prescription Trends, Profile Use, and Determinants of Adherence in Patients with Atrial Fibrillation - [link]

**Public Library of Science (PLOS)**
- Associations of maternal quitting, reducing, and continuing smoking during pregnancy with longitudinal fetal growth: Findings from Mendelian randomization and parental negative control studies - [link]

**The Joint Commission Journal on Quality and Patient Safety**
- Is One-Pen, One-Patient Achievable in the Hospital? A Quality Improvement Project to Reduce Risks of Inadvertent Insulin Pen Sharing at a Large Academic Medical Center - [link]

**Thrombosis and Haemostasis**
- Efficacy and Safety of Glycoprotein IIb/IIIa Inhibitors on Top of Ticagrelor in STEMI: A Subanalysis of the ATLANTIC Trial - [link]

TAG Mail – 21 November 2019

REPORTS AND PUBLICATIONS – AUSTRALIA

**ACI**
- Leading Better Value Care – bronchiolitis
- Telehealth in practice (guide) (2019) - [link]

**Australian Commission on Safety and Quality in Health Care (ACSQHC)**
- Emergency Department Clinicians’ Guide to My Health Record in ED - [link]
**AHHA**
- Podcast Episode 17: the 2019 John Deeble Lecture: Panel Discussion - [link](#)

**Australian Institute for Health and Welfare (AIHW)**
- Potentially preventable hospitalisations in Australia by age groups and small geographic areas, 2017–18 - [link](#)
- Interfaces between the aged care and health systems in Australia—first results - [link](#)
- Northern Territory Remote Aboriginal Investment: Oral Health Program July 2012 to December 2018 - [link](#)

**NSW Health Intranet**
- Dried Blood Spot Project Website re-Launch - [link](#)

**PBS**
- PBAC Public Summary Documents (first time rejections and deferrals) - July 2019 meeting - [link](#)

**TGA**
- Complementary medicines advertisers: 19 November 2019 update: Consumer Healthcare Products Australia to handle all medicine advertising pre-approval applications - [link](#)
- Camels, yams and intestines: the conception of contraception - [link](#)
- Vaccines: inoculating against fear - [link](#)
- AusPARs:
  - **Buprenorphine** (Buvidal™): Buvidal Weekly and Buvidal Monthly are indicated for maintenance treatment of opioid dependence within a framework of medical, social and psychological support.
  - **Pegfilgrastim** biosimilar (Ziextenzo™): indicated for the treatment of cancer patients following chemotherapy, to decrease the duration of severe neutropenia and so reduce the incidence of infection, as manifested by febrile neutropenia.
  - **Nonacog beta pegol** (Refixia™): Treatment and prophylaxis of bleeding in patients 12 years and above with haemophilia B (congenital factor IX deficiency).

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Deprescribing as a Clinical Improvement Focus - [link](#)
- A systematic review of natural language processing for classification tasks in the field of incident reporting and adverse event analysis - [link](#)

**Canadian Agency for Drugs and Technologies in Health**
- Codeine for Pediatric Patients with Acute Pain: A Review of Clinical Effectiveness - [link](#)
- Discontinuation of Cholinesterase Inhibitors in Adults with Dementia: Clinical Effectiveness and Guidelines - [link](#)

**eMC**
- Revised SPC
  - **Dupixent™** (dupilumab) injection - now licensed for treatment of chronic rhinosinusitis with nasal polyposis; in patients for whom therapy with systemic corticosteroids and/or surgery did not provide adequate disease control.

**Food and Drug Administration (FDA) USA**
- New Drug Approvals
  - **Cefiderocol** (Fetroja™) for complicated urinary tract infections (cUTI), including kidney infections, caused by susceptible Gram-negative microorganisms in patients age 18 years or older with few or no alternative treatment options
  - **Crizanlizumab** (Adakveo™) to reduce the frequency of vaso-occlusive crisis in patients aged 16 years or older with sickle cell disease.

**NHS Improvement**
*NSW TAG Mail_July to December 2019_Cumulative Issue*
- Reducing the impact of serious infections CQUIN 2018/19 - link

**National Institute for Health and Clinical Excellence (NICE) UK**
- Cannabis-based medicinal products – guidance (NG144)
- Fluocinolone acetonide intravitreal implant for treating chronic diabetic macular oedema in phakic eyes after an inadequate response to previous therapy – guidance (TA613)
- Thyroid disease: assessment and management – guidance (NG145)
- Antimicrobial prescribing: meropenem with vaborbactam – evidence summary (ES21)

**Specialist Pharmacy Services**
- In Use Product Safety Assessment Report for Insulin Glargines - link

**MEDICATION SAFETY**
**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- CellCept™ (mycophenolate mofetil) Tablets - now warns that CellCept has a moderate influence on the ability to drive and use machines. Also now states that no data are available for treatment of first or refractory rejection in paediatric transplant patients.
  -- Ferinject™ (ferric carboxymaltose) - Additional wording regarding foetal bradycardia added: now states this may occur following administration of parenteral iron, is usually transient and a consequence of a hypersensitivity reaction in the mother. Unborn baby should be carefully monitored.
  -- Lustral™ (sertraline) - Now advises that SSRIs may cause symptoms of sexual dysfunction, and there been reports the symptoms have continued despite discontinuation of treatment. Maculopathy has been added as an adverse effect.
  -- Tysabri™ (natalizumab)- now states extended interval dosing of natalizumab (average dosing interval of approx. 6 weeks) may be associated with a lower progressive multifocal leukoencephalopathy risk compared to approved dosing.
  -- Duavive™ (oestrogens, conjugated/bazedoxifene acetate) - Warns of a 2 to 4-fold increase in the risk of gallbladder disease requiring surgery in postmenopausal women receiving oestrogens; patients should therefore be monitored carefully for developing gallbladder disease.
  -- Invanz™ (ertapenem) - Addition of acute generalised exanthematous pustulosis as an adverse event with a ‘not known’ frequency.
  -- Vosevi™ (sofosbuvir/velpatasvir/voxilaprevir) - now states that safety data are limited in patients with severe renal impairment (eGFR < 30 mL/min/1.73 m2) and ESRD requiring haemodialysis. Vosevi can be used in these patients with no dose adjustment when no other relevant treatment options are available.
  -- Abraxane™ (nab paclitaxel formulated as albumin bound nanoparticles) - scleroderma added as a potential adverse effect (frequency unknown).
  -- Erivedge™ (vismodegib) - Severe cutaneous adverse reactions, including Stevens-Johnson syndrome/Toxic epidermal necrolysis (SJS/TEN), drug reaction with eosinophilia and systemic symptoms (DRESS) and acute generalised exanthematous pustulosis (AGEP), have been reported.
  -- Inlyta™ (axitinib) - Cholecystitis added as a potential adverse effect of treatment (frequency = common)

**European Medicines Agency (EMA)**
- Measures to minimise risk of serious side effects of multiple sclerosis medicine Lemtrada™ (alemtuzumab)
- Confirmation Xeljanz™ (tofacitinib) to be used with caution in patients at high risk of blood clots

**Institute for Safe Medication Practices (ISMP) USA**
Medication Safety Alert! November 21, 2019
•What's in a Name? Survey Finds Wide Variety of Error-Prone Newborn Naming Conventions in Use Today
•ECRI Institute – ISMP affiliation
•“Saline enema” shouldn’t describe sodium phosphate enemas
•Amino acids and lipids need light protection for young children
• Danger of confusing thrombin with antithrombin
• Abbreviations to avoid
• Confusion over antiretroviral therapy abbreviation

**Medicines and Healthcare products Regulatory Agency (MHRA) UK
- Possible risk of vasculitis with dabigatran (Pradaxa™)

**PAPERS OF INTEREST

**Age and Ageing
- Attention to age: similar dosing regimens lead to different vancomycin levels among older and younger patients - link
- Development of a hospital deprescribing implementation framework: A focus group study with geriatricians and pharmacists - link

**American Journal of Cardiology
- Meta-Analysis Comparing the Relative Risk of Adverse Events for Amiodarone Versus Placebo - link

**Annals of Emergency Medicine
- Anticoagulant Reversal Strategies in the Emergency Department Setting: Recommendations of a Multidisciplinary Expert Panel - link

**American Journal of Health-System Pharmacy (AHJP)
- Role of the clinical learning environment in preparing new clinicians to engage in quality improvement efforts to eliminate health care disparities - link

**Annals of Internal Medicine
- Annals Consult Guys - Procedures with DOACs: How Long to Wait? - link

**British Medical Journal (BMJ)
- DTB: Polypharmacy and deprescribing: just ask the patient - link
- DTB Commentary: Intensive antiplatelet therapy with three agents does not reduce risk of another stroke - link
- DTB: Prescribing for pregnancy: managing prescribing for women with mental health diagnoses - link
- Clinical updates: Practical aspects of childhood epilepsy - link
- Clinical updates: Diagnosis and treatment of sciatica - link

**British Journal of General Practice
- Enhancing shared decision making about discontinuation of antidepressant medication: a concept-mapping study in primary and secondary mental health care - link

**BMJ Quality and Safety
- ‘New Medicine Service’: supporting adherence in people starting a new medication for a long-term condition: 26-week follow-up of a pragmatic randomised controlled trial - link

**Clinics in Geriatric Medicine
- Advances in the Conceptualization and Study of Schizophrenia in Later Life - link
- Depression and Cardiovascular Disorders in the Elderly - link
- Neurologic Changes and Depression - link
- Palliative Care for Dementia - link
- Electroconvulsive Therapy in Geriatric Psychiatry: A Selective Review - link

**Cochrane
- Progestogen for preventing miscarriage in women with recurrent miscarriage of unclear etiology - link

NSW TAG Mail_July to December 2019_Cumulative Issue
- Clonazepam monotherapy for treating people with newly diagnosed epilepsy - link
- Workplace interventions for increasing standing or walking for decreasing musculoskeletal symptoms in sedentary workers - link
- Adalimumab for induction of remission in Crohn's disease - link
- Pharmacological interventions for painful sickle cell vaso-occlusive crises in adults - link
- Pharmaceutical policies: effects of educational or regulatory policies targeting prescribers - link

**European Heart Journal**
- Chronotherapy for hypertension: improvement in patient outcomes with bedtime administration of antihypertensive drugs - link
- Real-world risk of cardiovascular outcomes associated with hypertriglyceridaemia among individuals with atherosclerotic cardiovascular disease and potential eligibility for emerging therapies - link
- Effect of alirocumab on cardiovascular outcomes after acute coronary syndromes according to age: an ODYSSEY OUTCOMES trial analysis - link

**International Journal for Quality in Health Care**
- Validation of the patient measure of safety (PMOS) questionnaire in Australian public hospitals - link
- Deepening our Understanding of Quality in Australia (DUQuA): An overview of a nation-wide, multi-level analysis of relationships between quality management systems and patient factors in 32 hospitals - link
- Patient-reported outcome measurements (PROMs) and provider assessment in mental health: a systematic review of the context of implementation - link
- The clinician safety culture and leadership questionnaire: refinement and validation in Australian public hospitals - link
- A strategic tool to improve long-term health outcomes in clinical practice: SHOR driver and association diagram - link

**JAMA**
- Intravenous Ondansetron in Pregnancy and Risk of Congenital Malformations - link

**JAMA Cardiology**
- Adjunctive Antithrombotic Therapy for Patients with Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement - link
- Patient Perceptions and Familiarity with Medical Therapy for Heart Failure - link

**JAMA Network Open**
- Association of Disability with Mortality from Opioid Overdose among US Medicare Adults - link
- Trends and Rapidity of Dose Tapering among Patients Prescribed Long-term Opioid Therapy, 2008-2017 - link
- Effect of Intranasal vs Intramuscular Naloxone on Opioid Overdose. A Randomized Clinical Trial - link

**JAMA Neurology**
- Pragmatic Trials and Repurposed Drugs for Alzheimer Disease - link
- Minocycline at 2 Different Dosages vs Placebo for Patients with Mild Alzheimer Disease. A Randomized Clinical Trial - link

**JAMIA**
- The number needed to benefit: estimating the value of predictive analytics in healthcare - link
- Predictive analytics in health care: how can we know it works? - link
- Assessing clinical heterogeneity in sepsis through treatment patterns and machine learning - link
- Reducing drug prescription errors and adverse drug events by application of a probabilistic, machine-learning based clinical decision support system in an inpatient setting - link

**Journal for Healthcare Quality**
- A Quality Improvement Project to Improve Sepsis-Related Outcomes at an Integrated Healthcare System - link
- Preoperative Blood Management Strategy for Elective Hip and Knee Arthroplasty - [link](#)
- Thromboprophylaxis after Hospitalization for Joint Replacement Surgery - [link](#)
- Diabetic Ketoacidosis Management in the Emergency Department Implementation of a Protocol to Reduce Variability and Improve Safety - [link](#)
- An Antimicrobial Stewardship Intervention Improves Adherence to Standard of Care for Staphylococcus aureus Bloodstream Infection - [link](#)

**Journal of the American Geriatrics Society**
- Hospital-Associated Complications of Older People: A Proposed Multicomponent Outcome for Acute Care - [link](#)

**Journal of Palliative Medicine**
- Nature of Discussions about Systemic Therapy Discontinuation or Hospice among Patients, Families, and Palliative Care Clinicians during Care for Incurable Cancer: A Qualitative Study - [link](#)
- Immune Checkpoint Inhibitor Use Near the End of Life: A Single-Center Retrospective Study - [link](#)
- Factors Associated with Improvement in Uncontrolled Cancer Pain without Increasing the Opioid Daily Dose among Patients Seen by an Inpatient Palliative Care Team - [link](#)
- Multimorbidity and Opioid Prescribing in Hospitalized Older Adults - [link](#)

**Lancet**
- The 2019 report of The Lancet Countdown on health and climate change: ensuring that the health of a child born today is not defined by a changing climate - [link](#)
- Association of maternal antiretroviral use with microcephaly in children who are HIV-exposed but uninfected (SMARTT): a prospective cohort study - [link](#)
- A support programme for secondary prevention in patients with transient ischaemic attack and minor stroke (INSPIRE-TMS): an open-label, randomised controlled trial - [link](#)

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- A Systematic Review of Models Used and Preferences for Continuing Education and Continuing Professional Development of Pharmacists - [link](#)

**Medical Journal of Australia**
- Nationally linked data to improve health services and policy - [link](#)
- Routine glucose assessment in the emergency department for detecting unrecognised diabetes: a cluster randomised trial - [link](#)
- The ethics approval process for multisite research studies in Australia: changes sought by the Australian Genomics initiative - [link](#)
- Inpatient diabetes care requires adequate support, not just HbA1c screening - [link](#)
- Management of pregabalin and gabapentin prescribing and use in NSW prisons - [link](#)

**New England Journal of Medicine**
- Trial of Apremilast for Oral Ulcers in Behçet's Syndrome - [link](#)
- Review article: Acute Upper Airway Obstruction - [link](#)
- Efficacy and Safety of Low-Dose Colchicine after Myocardial Infarction - [link](#)
- A Comparison of Two LDL Cholesterol Targets after Ischemic Stroke - [link](#)

**National Institute for Health Research (NIHR) - Signals**
- Patients, in theory, might prefer GP-led care to self-management for high blood pressure - [link](#)
- Planned earlier delivery for late pre-eclampsia may be better for mothers - [link](#)

**Prescriber UK**
- Antibiotic side-effects: from the anticipated to the bizarre - [link](#)

**Public Library of Science (PLOS)**
- Frequency of cannabis and illicit opioid use among people who use drugs and report chronic pain: A longitudinal analysis - [link](#)
Comparisons of exacerbations and mortality among regular inhaled therapies for patients with stable chronic obstructive pulmonary disease: Systematic review and Bayesian network meta-analysis - [link]

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REPORTS AND PUBLICATIONS – AUSTRALIA

**Australian Commission on Safety and Quality in Health Care (ACSQHC)
- Clostridium difficile infection 2017 Data Snapshot - [link]
- National Hand Hygiene Initiative update - [link]

**Australian Institute for Health and Welfare (AIHW)
- Injury mortality and socioeconomic influence in Australia 2015–16 - [link]
- Trends in injury deaths, Australia, 1999–00 to 2016–17 - [link]
- Mesothelioma in Australia 2018: occupational asbestos exposure - [link]
- Alcohol, tobacco & other drugs in Australia - [link]

**Clinical Excellence Commission (CEC) NSW
- A Guide to Medication Reviews for NSW Health Services - [link]

**Dementia Australia
- Improving Palliative and End of Life care for people with dementia - [link]

**NSW Health Intranet
- Naloxone factsheet order form - to order consumer information sheets for opioid overdose response and take home naloxone - [link]
- ORTHN client questionnaire - [link]
- For health professionals: What is the Abortion Law Reform Act 2019? - [link]
- Discharge Planning and Transfer of Care for Consumers of NSW Health Mental Health Services-PD2019_045 - [link]

**PBS
- Drug Utilisation Sub-Committee (DUSC) Outcome Statement - [link]
- PBS listing occurred 1 November 2019 for all Clexane safety Lock presentations except for the 120mg & 150mg strengths

**TGA - AusPARs:
- icatibant (Firazyr®) for symptomatic treatment of acute attacks of hereditary angioedema (HAE) in adults, adolescents and children aged 2 years and older with C1-esterase-inhibitor deficiency

REPORTS AND PUBLICATIONS – INTERNATIONAL

**Canadian Agency for Drugs and Technologies in Health
- Exercise for Chronic, Non-Cancer Back Pain: A Review of Cost-Effectiveness and Guidelines - [link]

**eMC
- New products
- Vaborem™ (meropenem/ vaborbactam) 1 g/1 g powder for infusion - licensed for treatment of adults with complicated UTI, including pyelonephritis, complicated intraabdominal infection (IN), hospital-acquired pneumonia, bacteremia linked to these INs, and INs due to aerobic Gram-negative organisms where treatment options are limited.

**EMA
- ‘Regulatory science to 2025’: live broadcast of post-consultation workshop - link

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Guidance - E-cigarettes: regulations for consumer products - link

**Institute for Healthcare Improvement**
- Effective Strategies for Hospitals Responding to the Opioid Crisis - link

**Joint Commission**
- Patient Safety Advisory Group Fact Sheet - link

**National Institute for Health and Clinical Excellence (NICE) UK**
- Fever in under 5s: assessment and initial management – NG143
- Multiple sclerosis in adults: management – CG186 update
- Cannabis-based medicinal products – NG114
  -- Cannabidiol for adjuvant treatment of seizures associated with Dravet syndrome – Final Appraisal Determination - DRAFT
  -- Cannabidiol for adjuvant treatment of seizures associated with Lennox-Gastaut syndrome – Final Appraisal Determination - DRAFT

**Specialist Pharmacy Services**
- NICE Bites – Hypertension

**Therapeutics Initiative Canada**
- #123 Biosimilars or Biologics: What’s the difference?

**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Sovaldi™ (sofosbuvir)- New information for use of sofosbuvir-containing products in patients with renal impairment.
  -- Singulair™ (montelukast sodium) - revised to inform neuropsychiatric events have been reported in adults, adolescents, and children taking Singulair. Obsessive-compulsive symptoms and dysphemia also added as very rare adverse effects (<1/10,000 people).

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Suspected adverse reaction reports to lamotrigine after changing brands - link

**TGA**
- TGA approved terminology for therapeutic goods - link
- Database of section 19A approvals to import and supply medicines to address medicine shortages - link

**PAPERS OF INTEREST**

**Age and Ageing**
- New horizons in management of heart failure in older patients - link

**Arthritis and Rheumatology**
- Review: Non-Steroidal Anti-Inflammatory Drugs As Potential Disease Modifying Medications In Axial Spondyloarthritis - link

**American Journal of Health-System Pharmacy**
- Tacrolimus trough monitoring guided by mass spectrometry without accounting for assay differences is associated with acute kidney injury in lung transplant recipients - link
- Digital content delivery in a pharmacy technician training program in a health system - link
Falsely elevated vancomycin-concentration values from enzyme immunoassay leading to treatment failure - link
Development of health-system inpatient pharmacy clinical metrics - link

**British Medical Journal (BMJ)**
- Clinical update: Practical aspects of childhood epilepsy - link
- Levetiracetam is a useful alternative to phenytoin for epileptic seizures in children - link
- Routine use of progesterone does not prevent miscarriage - link

**Clinical Infectious Diseases**
- Decreases in antimicrobial use associated with multihospital implementation of electronic antimicrobial stewardship tools - link

**Cochrane**
- Statins for children with familial hypercholesterolemia - link
- Vaccines for preventing herpes zoster in older adults - link
- Xiao Chai Hu Tang, a herbal medicine, for chronic hepatitis B - link

**European Heart Journal**
- Safety and efficacy outcomes of double vs. triple antithrombotic therapy in patients with atrial fibrillation following percutaneous coronary intervention: a systematic review and meta-analysis of non-vitamin K antagonist oral anticoagulant-based randomized clinical trials - link
- Impact of renin–angiotensin system inhibitors on clinical outcomes in patients with severe aortic stenosis undergoing transcatheter aortic valve replacement: an analysis from the PARTNER 2 trial and registries - link

**European Journal of Hospital Pharmacy**
- Availability of age-appropriate paediatric formulations in the Netherlands: the need in daily clinical practice remains - link
- Statin-induced autoimmune myopathy: a case report - link
- A systematic review examining the characteristics of users of NHS patient medicines helpline services, and the types of enquiries they make - link

**Internal Medicine Journal**
- Sub-Acute more than Chronic Hyponatremia is associated with Serious Falls and Hip Fractures - link
- Ginkgo biloba-related hyponatraemia: a reminder that herbal supplements are not benign - link
- Association between ribociclib and changes in creatinine in patients with hormone receptor positive metastatic breast cancer - link
- Aplastic anaemia following carbamazepine-induced drug reaction with eosinophilia and systemic symptoms syndrome - link
- Intravenous immunoglobulin responsive gastroparesis in a patient with diabetes mellitus - link
- Tumour necrosis factor-alpha inhibitor induced recurrent symptomatic hypoglycaemia - link

**International Journal of Clinical Pharmacy**
- Tigecycline-induced coagulopathy: a literature review – link
- Economic impact of Patient’s Own Medication use during hospitalisation: a multicentre pre-post implementation study – link

**International Journal for Quality in Health Care**
- Validation of the patient measure of safety (PMOS) questionnaire in Australian public hospitals - link

**JAMA**
- Association of Baclofen With Encephalopathy in Patients With Chronic Kidney Disease - link
- Effect of Vitamin D and Omega-3 Fatty Acid Supplementation on Kidney Function in Patients With Type 2 Diabetes. A Randomized Clinical Trial - link
- Vitamin D and Health Outcomes. Then Came the Randomized Clinical Trials - link
**JAMA Dermatology**
- Efficacy and Safety of Dupilumab in Adolescents With Uncontrolled Moderate to Severe Atopic Dermatitis. A Phase 3 Randomized Clinical Trial - [link]

**JAMA Internal Medicine**
- Association of Testosterone Therapy With Risk of Venous Thromboembolism Among Men With and Without Hypogonadism - [link]

**JAMA Network Open**
- Bimodal Release Ondansetron for Acute Gastroenteritis Among Adolescents and Adults: A Randomized Clinical Trial - [link]
- Appropriateness of Surgical Antimicrobial Prophylaxis Practices in Australia - [link]
- Characteristics of Immune Checkpoint Inhibitors Trials Associated With Inclusion of Patients With HIV: A Systematic Review and Meta-analysis - [link]

**JAMA Paediatrics**
- Association of Seasonal Severity and Vaccine Effectiveness With Influenza Vaccination Rates in Children - [link]

**Journal of the Australian Healthcare & Hospitals Association**
- Trends in opioid prescribing in Australia: a systematic review - [link]

**Lancet**
- Results of a 6-week treatment with 10 mg prednisolone in patients with hand osteoarthritis (HOPE): a double-blind, randomised, placebo-controlled trial - [link]
- Clinical presentation, treatment, and short-term outcomes of lung injury associated with e-cigarettes or vaping: a prospective observational cohort study - [link]
- Algorithm-guided empirical tuberculosis treatment for people with advanced HIV (TB Fast Track): an open-label, cluster-randomised trial - [link]
- Antihypertensive medications and risk for incident dementia and Alzheimer's disease: a meta-analysis of individual participant data from prospective cohort studies - [link]
- E-cigarette, or vaping, product use associated lung injury (EVALI): case series and diagnostic approach - [link]

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Implementing Immunizing Pharmacy Technicians in a Federal Healthcare Facility - [link]
- Exploring the Health Care Challenges and Health Care Needs of Arabic-Speaking Immigrants with Cardiovascular Disease in Australia - [link]

**New England Journal of Medicine**
- Review: Acute Severe Hypertension - [link]

**National Institute for Health Research (NIHR)**
- NIHR Signals
  - Boosting omega-3 fatty acid intake is unlikely to prevent type 2 diabetes - [link]
  - Herpes zoster vaccine reduces chances of shingles after stem cell transplants - [link]

**NPS MedicineWise**
- Rates of paracetamol overdose continue to rise in Australia - [link]

**Pediatrics**
- CYP2C19 Phenotype and Risk of Proton Pump Inhibitor–Associated Infections - [link]
- Oral Ondansetron Administration to Dehydrated Children in Pakistan: A Randomized Clinical Trial - [link]

**Journal of Advanced Nursing**
- Patient and family engagement as a potential approach for improving patient safety: A systematic review - link

**Pharmacotherapy**
- Timing of Initiation of Oral Anticoagulation after Acute Ischemic Stroke in Patients with Atrial Fibrillation - link
- Vasopressin plasma concentrations are not associated with hemodynamic response to exogenous vasopressin for septic shock - link

**Public Library of Science (PLOS)**
- Testosterone replacement in young male cancer survivors: A 6-month double-blind randomised placebo-controlled trial - link
- Variation in blood pressure and long-term risk of dementia: A population-based cohort study - link

**The Royal Society of Medicine**
- Understanding the factors influencing doctors’ intentions to report patient safety concerns: a qualitative study - link

**Thrombosis and Haemostasis**
- Risk of Recurrent Bleeding Events in Nonvalvular Atrial Fibrillation Treated with Vitamin K Antagonists: A Clinical Practice Research Datalink Study - link

**University of York International register of systematic reviews**
- Guideline for Antibacterial Prophylaxis Administration in Pediatric Cancer and Hematopoietic Stem Cell Transplantation - link

TAG Mail – 7 November 2019

REPORTS AND PUBLICATIONS – AUSTRALIA

**Australian Institute for Health and Welfare (AIHW)**
- Congenital heart disease in Australia - link
- The burden of vaccine preventable diseases in Australia – link
- The burden of vaccine preventable diseases in Australia—summary

**Clinical Excellence Commission (CEC) NSW**
- Toolkit to support antibiotic allergy de-labelling – two new patient and carer publications on antibiotics and allergies

**TGA**
- Prescription opioids hub: New resources for health professionals added - link
- Registration of new or extended uses of registered medicines:
  -- Dupixent® (dupilumab) now also indicated for moderate to severe atopic dermatitis in patients aged 12 years and older who are candidates for chronic systemic therapy. Dupixent is not intended for episodic use.
  -- Tivicay® (dolutegravir) now indicated for the treatment of human immunodeficiency virus (HIV) infection in combination with other antiretroviral agents in adults and children over 6 years of age
  -- TecentriQ® (atezolizumab), in combination with paclitaxel protein-bound, is now also indicated for the treatment of adult patients with unresectable locally advanced or metastatic triple-negative breast cancer.
  -- Janumet HCL®, Janumet XR®, Velmetia®, Velmetia XR® (sitagliptin phosphate monohydrate; metformin hydrochloride) are indicated as an adjunct to diet and exercise to improve glycaemic control in adults with type 2 diabetes mellitus when treatment with both sitagliptin and metformin is appropriate
  -- Januvia®, Xelevia® (sitagliptin phosphate monohydrate) indicated as an adjunct to diet and exercise to improve glycaemic control in adults with type 2 diabetes mellitus as:
• monotherapy when metformin is considered inappropriate due to intolerance; or
• in combination with other anti-hyperglycaemic agents, including insulin

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Uvadex® (methoxsalen) is indicated for extracorporeal administration with the Therakos Cellex Photopheresis System for the:
- treatment of steroid-refractory and steroid-intolerant chronic graft versus host disease (cGVHD) in adults following allogeneic HSC transplantation.
- palliative treatment of the skin manifestations of cutaneous T-cell lymphoma (CTCL) that is unresponsive to other forms of treatment.

- Registration of new chemical entities in Australia:
  -- Polivy® (polatuzumab vedotin) in combination with bendamustine and rituximab for the treatment of previously treated adult patients with diffuse large B-cell lymphoma who are not candidates for hematopoietic stem cell transplant
  -- Ultomiris® (ravulizumab) for the treatment of adult patients with paroxysmal nocturnal haemoglobinuria
  -- Oxervate® (cenegermin (rbe)) for the treatment of moderate (persistent epithelial defect) or severe (corneal ulcer) neurotrophic keratitis in adults
  -- Fluad Quad® (inactivated quadrivalent influenza vaccine) for the active immunisation against influenza in persons 65 years of age and older

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REPORTS AND PUBLICATIONS – INTERNATIONAL

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Comparing Rates of Adverse Events and Medical Errors on Inpatient Psychiatric Units at Veterans Health Administration and Community-based General Hospitals - link
- Speaking up about patient safety in psychiatric hospitals – a cross-sectional survey study among healthcare staff - link
- Non-dispensing pharmacists’ actions and solutions of drug therapy problems among elderly polypharmacy patients in primary care - link
- Treatment for Acute Pain: An Evidence Map - link
- Prevalence of medication transfer errors in nephrology patients and potential risk factors - link

**Canadian Agency for Drugs and Technologies in Health**
- Peripheral Parenteral Nutrition for Adult Patients in Hospital Settings: Clinical Effectiveness and Cost-Effectiveness - link

**Food and Drug Administration (FDA) USA**
- Drug Shortages: Root Causes and Potential Solutions (in USA) - link
- New Drug approvals
  -- palbociclib (Ibrance®) for advanced breast cancer

**Health Quality & Safety Commission New Zealand**
- Choosing Wisely welcomes videos on understanding bias in health care - link

**International Journal for Quality in Health Care**
- Assessing the adherence to guidelines in the management of croup in Australian children: a population-based sample survey - link

**NHS England**
- NHS website publishes 14 more patient guides including leaflets for risedronate, ciprofloxacin, co-amoxiclav, clotrimazole, sumatriptan and hydroxocobalamin - link

**NHS Improvement**
- Provisional publication of Never Events reported as occurring between 1 April and 30 September 2019 - link

**National Institute for Health and Clinical Excellence (NICE) UK**

NSW TAG Mail_July to December 2019_Cumulative Issue
- Familial hypercholesterolaemia: identification and management [CG71]

**Public Health England**
- Guidelines on managing rabies post-exposure October 2019 - [link]

**Royal Pharmaceutical Society – The Pharmaceutical Journal**
- Medication dosing could be causing harm in older people because of age exclusion in clinical trials- [link]

**Specialist Pharmacy Services**
- Discontinuation of glibenclamide 2.5 and 5.0 mg Tablets - [link]
- Medicines Use and Safety Updates - [link]

**World Health Organisation (WHO)**
- World report on vision - [link]
- The Power of Cities: Tackling Noncommunicable Diseases and Road Traffic Injuries - [link]

**MEDICATION SAFETY**
**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Idelvion™ (*albutrepenonacog alfa*): now includes statement that formation of inhibitor to factor IX has been reported during therapy in the treatment of haemophilia B.
  -- Verzenios™ (*abemaciclib*): now advises that in the event of elevation in AST and/or ALT to >3 x upper limit of normal (ULN) with total bilirubin >2 x ULN, in the absence of cholestasis, discontinue abemaciclib.
  -- Keppra™ (*levetiracetam*): now warn that levetiracetam may cause psychotic symptoms and behavioural abnormalities including irritability and aggressiveness. If such behaviours are noticed, consider treatment adaptation or gradual discontinuation.
  -- Bavencio™ (*avelumab*): new licensed indication - in combination with axitinib, avelumab is licensed for the first-line treatment of adult patients with advanced renal cell carcinoma
  -- Extavia™ (*interferon beta-1b*): updated with exposure data in pregnancy (>1,000 pregnancy outcomes) such that if clinically required, it may be considered during pregnancy and breast-feeding.
  -- Tagrisso™ (*osimertinib mesylate*): based on clinical studies and population pharmacokinetic analysis, no dose adjustments are necessary in patients with mild, moderate, or severe renal impairment. Safety and efficacy has not been established in end-stage renal disease or dialysis.
  -- Epclusa™ (*sofosbuvir/velpatasvir*): updated regarding the use of sofosbuvir-containing products in patients with renal impairment: no dose adjustments required in patients with renal impairment.
  -- Salofalk™ (*mesalazine*): cases of nephrolithiasis have been reported with the use of mesalazine including stones with a 100% mesalazine content. Advise adequate fluid intake during treatment.

**EMA**
- Pharmacovigilance Risk Assessment Committee (PRAC) recommends:
  -- restrictions on use of Lemtrada (*alemtuzumab*) for multiple sclerosis (MS) to minimise risk of serious side effects
  -- Xeljanz (*tofacitinib*) be used with caution for all patients at high risk of blood clots

**Health Canada – MedEffect Notice**
- Uloric® (*febuxostat*) - increased risk of cardiovascular fatal outcomes

**Institute for Safe Medication Practices (ISMP) USA**
Medication Safety Alert! November 7, 2019
- A Lot Happens When You Report a Hazard or Error to ISMP – There’s No “Black Hole” Here!
- Confusing labeling on blister packs containing multiple tablets

**Guidance: Valproate use by women and girls**

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NSW TAG Mail July to December 2019_Cumulative Issue
**TGA**
- TGA safety information - Prescription opioids: [Upcoming changes to reduce harm](#) (Smaller pack sizes for immediate release formulations, changes to PI and CMI documents and changes to fentanyl indications).

**PAPERS OF INTEREST**

**Age and Ageing**
- Medication-related harm: a geriatric syndrome - [link](#)
- Influence of the number and severity of comorbidities in the course of acute non-specific low back pain in older adults: longitudinal results from the Back Complaints in the Elders (BACE-Brazil) - [link](#)

**American Journal of Respiratory Care**
- Diagnosis and Treatment of Adults with Community-acquired Pneumonia. An Official Clinical Practice Guideline of the American Thoracic Society and Infectious Diseases Society of America - [link](#)

**American Journal of Health-System Pharmacy (AHJP)**
- Pharmacist-driven penicillin skin testing service for adults prescribed non-preferred antibiotics in a community hospital - [link](#)
- Higher naloxone dosing may be required for opioid overdose - [link](#)
- Risk factors for development of aminoglycoside resistance among gram-negative rods - [link](#)
- Effect of pharmacist-led task force to reduce opioid prescribing in the emergency department – [link](#)
- Evidence-based development of a nephrotoxic medication list to screen for acute kidney injury risk in hospitalized children - [link](#)

**Annals of Internal Medicine**
- Incidence of Bloodstream Infections, Length of Hospital Stay, and Survival in Patients With Recurrent *Clostridioides difficile* Infection Treated With Fecal Microbiota Transplantation or Antibiotics: A Prospective Cohort Study - [link](#)
- In the Clinic: [Type 2 Diabetes](#)
- Annals On Call - Shorter-Duration Antibiotics for Community-Acquired Pneumonia - [link](#)

**Australian Journal of Primary Health**
- Complex diabetes screening guidelines for high-risk adolescent Aboriginal Australians: a barrier to implementation in primary health care - [link](#)

**British Journal of Clinical Pharmacology**
- Pharmacist services in nursing homes: A systematic review and meta-analysis - [link](#)
- A novel direct method to determine adherence to atorvastatin therapy in patients with coronary heart disease - [link](#)
- Immune-mediated adverse reactions to vaccines – [link](#)

**BMC Geriatrics**
- Antibiotics prescription and guidelines adherence in elderly: impact of the comorbidities - [link](#)
- The impact of early comprehensive geriatric screening on the readmission rate in an acute geriatric ward: a quasi-experimental study - [link](#)
- 'Modified STOPP-START criteria for Sri Lanka'; translating to a resource limited healthcare setting by Delphi consensus - [link](#)
- Anticholinergic and benzodiazepine medication use and risk of incident dementia: a UK cohort study - [link](#)
- Polypharmacy in older patients: identifying the need for support by a community pharmacist - [link](#)
- Melatonin for the prevention of postoperative delirium in older adults: a systematic review and meta-analysis - [link](#)

**British Medical Journal (BMJ)**
- Reducing overuse in healthcare: advancing Choosing Wisely - link
- Benefits and harms of intensive glycemic control in patients with type 2 diabetes - link
- Antimicrobial central venous catheters do not reduce infections in pre-term babies - link
- Management of Crohn’s disease: summary of updated NICE guidance - link
- Association between gifts from pharmaceutical companies to French general practitioners and their drug prescribing patterns in 2016: retrospective study using the French Transparency in Healthcare and National Health Data System databases - link
- Experiences of elderly patients regarding participation in their hospital discharge: a qualitative metasummary - link
- Non-inferiority trials in cardiology: what clinicians need to know – link
- DTB forum: Changing place for aspirin in primary prevention of cardiovascular disease - link
- DTB Select: Fluoxetine showed no benefit in functional recovery from stroke - link

**Cochrane**
- Baclofen for alcohol withdrawal - link
- Intrasal corticosteroids for non-allergic rhinitis - link
- Chemotherapy versus surgery for initial treatment in advanced ovarian epithelial cancer - link
- Natriuretic peptide-guided treatment for the prevention of cardiovascular events in patients without heart failure - link

**Diabetes Care**
- Use of Sodium–Glucose Cotransporter 2 Inhibitors in Patients With Type 1 Diabetes and Rates of Diabetic Ketoacidosis - link

**European Heart Journal**
- THEMIS and THEMIS-PCI: New Option for Antiplatelet Therapy in Patients with Stable Atherosclerosis and Diabetes: Key Findings from THEMIS and THEMIS-PCI - link
- A randomized controlled trial of metformin on left ventricular hypertrophy in patients with coronary artery disease without diabetes: the MET-REMODEL trial border - link

**European Journal of Hospital Pharmacy**
- e-Interconsultations between a hospital pharmacy service & primary care pharmacy units in Spain - link
- Rational application of vancomycin in patients with various pathological conditions - link

**JAMA**
- Update on the Management of Constipation - link
- Medical Management of Opioid-Induced Constipation - link
- Association Between Levothyroxine Treatment and Thyroid-Related Symptoms among Adults Aged 80 Years and Older With Subclinical Hypothyroidism – link

**JAMA Internal Medicine**
- Mind-Body Therapies for Opioid-Treated Pain: A Systematic Review and Meta-analysis - link
- Association between Prescribed Opioids and Infections in Patients Neutropenia and Cancer - link

**JAMA Network Open**
- Risk of Infections and Cancer in Patients with Rheumatologic Diseases Receiving Interleukin Inhibitors: A Systematic Review and Meta-analysis - link

**JAMA Ophthalmology**
- Association of Limiting Opioid Prescriptions with Use of Opioids After Corneal Surgery - link

**JAMA Psychiatry**
- Schizophrenia—An Overview - link

**Journal of the American Geriatrics Society**
- Prevalence and Knowledge of Potential Interactions between Over-the-Counter Products and Apixaban - link

**Journal of the American College of Cardiology**
- Oral Fluoroquinolones and Risk of Mitral and Aortic Regurgitation - link

**Journal of Pharmacy Practice and Research (JPPR)**
- Rationalisation of polypharmacy in practice: a survey of physicians and pharmacists - link
- Qualitative study of pharmacists’ perceptions of motivators, institutional supports and challenges towards career planning and advancement in a public tertiary hospital in Malaysia - link

**Lancet**
- Rivaroxaban compared with standard anticoagulants for the treatment of acute venous thromboembolism in children: a randomised, controlled, phase 3 trial - link
- Interventions to reduce aggressive care at end of life among patients with cancer: a systematic review - link
- Esketamine for treatment-resistant depression: seven concerns about efficacy and FDA approval – link
- Global guideline for the diagnosis and management of mucormycosis: an initiative of the European Confederation of Medical Mycology in cooperation with the Mycoses Study Group Education and Research Consortium - link

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- The Value and Potential Integration of Pharmacy Technician National Certification into Processes That Help Assure a Competent Workforce - link
- Competency (and Beyond): Think Patient. Collaborate. Develop. Evaluate. Improve. Repeat - link
- BundLED Up: A Narrative Review of Antimicrobial Stewardship Initiatives and Bundles in the Emergency Department – link

**New England Journal of Medicine**
- Nintedanib in Progressive Fibrosing Interstitial Lung Diseases - link
- Six-Month Randomized, Multicenter Trial of Closed-Loop Control in Type 1 Diabetes - link

**National Institute for Health Research (NIHR) Signals**
- Significant risk of another thrombosis remains if anticoagulation is stopped - link
- Long-term macrolide antibiotics reduce risk of exacerbations of bronchiectasis - link

**Pediatrics**
- Religious Vaccine Exemptions in Kindergartners: 2011–2018 - link
- A Collaborative Multicenter QI Initiative to Improve Antibiotic Stewardship in Newborns - link

**Perspectives in Public Health**
- A qualitative literature review exploring the drivers influencing antibiotic over-prescribing by GPs in primary care and recommendations to reduce unnecessary prescribing – link

**Pharmacy Practice News**
- Review Article - Immunotherapy Toxicities: Early Recognition and Management - link

**Pharmacotherapy**
- Concomitant Use of Quinolones and Stimulants and the Risk of Adverse Cardiovascular Symptoms: A Retrospective Cohort Study - link

**Public Library of Science (PLOS)**
- Trends in prescription opioid use and dose trajectories before opioid use disorder or overdose in US adults from 2006 to 2016: A cross-sectional study - link
- Prescription opioid use and misuse among adolescents and young adults in the United States: A national survey study - link
**Therapeutics and Clinical Risk Management**
- Emerging Treatment Options For Cancer-Associated Cachexia: A Literature Review - [link](#)

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**Australian Commission on Safety and Quality in Health Care (ACSQHC)**
- 2018 Aged Care National Antimicrobial Prescribing Survey Report - [link](#)

**AHHA**
- [Deeble Issues Brief No. 33](#): Reforming for Value: Opportunities for Outcome Focused National Health Policy

**Australian Institute for Health and Welfare (AIHW)**
- Better Cardiac Care measures for Aboriginal and Torres Strait Islander people: fourth national report 2018–19 - [link](#)
- Older clients of specialist homelessness services - [link](#)
- Cultural safety in health care: monitoring framework - [link](#)
- Annual report 2018–19 - [link](#)
- Burden of tobacco use in Australia: Australian Burden of Disease Study 2015 - [link](#)

**Clinical Excellence Commission (CEC) NSW**
- The Guide for Medication Reviews in NSW Health Services - [link](#)

**NPS MedicineWise**
- MedicineInsight: General Practice Insights Report 2017–18 - [link](#)

**PBS**
- Complete: Harmonisation of Authority Required (Streamlined) listings across public and private hospital PBS items for the Section 100 - Highly Specialised Drugs program - [link](#)

**TGA**
- Prescription opioids: Upcoming changes to reduce harm - [link](#)
- Safety advisory: Gentamicin Injection USP 40 mg/mL (80 mg/2 mL) ampoules - [link](#)
- Introduction to medicinal cannabis regulation in Australia - [link](#)
- Before you take the red pill or the blue pill, check the medicine label for nuts - [link](#)
- New poster on the Labelling Changes: information for health professionals - [link](#)
- AusPARs:
  - ferric carboxymaltose (Ferinject®) for treatment of iron deficiency when oral iron preparations are ineffective or cannot be used
  - tezacaftor/ivacaftor and ivacaftor (Symdeko®) for the treatment of patients with cystic fibrosis (CF) aged 12 years and older
  - olaparib (Lynparza®) monotherapy for the maintenance treatment of adult patients with platinum-sensitive relapsed high grade epithelial ovarian, fallopian tube or primary peritoneal cancer after platinum-based chemotherapy
  - rivaroxaban (Xarelto®) 2.5mg tablets in combination with aspirin, for the prevention of major cardiovascular events (composite of stroke, myocardial infarction and cardiovascular death) in patients with coronary artery disease and/or peripheral artery disease

**Victorian Institute of Forensic Medicine**
- Future Leaders Communiqué October 2019 - [link](#)
**Agency for Healthcare Research and Quality (AHRQ) USA**
- Encouraging Resident Adverse Event Reporting: A Qualitative Study of Suggestions from the Front Lines - [link](#)
- Understanding the factors influencing doctors’ intentions to report patient safety concerns: a qualitative study - [link](#)
- Hand-off bundle implementation associated with decreased medical errors and preventable adverse events on an academic family medicine in-patient unit: A pre-post study - [link](#)
- Pharmacist linkage in care transitions: From academic medical center to community - [link](#)
- Patient and family engagement as a potential approach for improving patient safety: A systematic review - [link](#)

**Canadian Agency for Drugs and Technologies in Health**
- Intravenous Ketamine for Adults with Treatment-Resistant Depression or Post-Traumatic Stress Disorder: A Review of Clinical Effectiveness, Cost-Effectiveness and Guidelines - [link](#)
- Medical Cannabis Use in Palliative Care: Review of Clinical Effectiveness and Guidelines – An Update - [link](#)

**eMC**
- New products
  - Oncaspar™ (pegaspargase) injection/infusion - licensed as a component of antineoplastic combination therapy in acute lymphoblastic leukaemia in paediatric patients from birth to 18 years, and adult patients.

**Food and Drug Administration (FDA) USA**
- New Drug approvals
  -- levonorgestrel (Liletta®) intra uterine device provides for prevention of pregnancy for up to 6 years
  -- levetiracetam (Keppra®, Keppra XL®) indication for partial-onset seizures expanded to include use as monotherapy
  -- niraparib tosylate (Zejula®) for the treatment of adult patients with advanced ovarian, fallopian tube, or primary peritoneal cancer who have been treated with three or more prior chemotherapy regimens and whose cancer is associated with homologous recombination deficiency positive status

**Health Canada**
- Health Product InfoWatch, [October 2019](#)

**Health Quality & Safety Commission New Zealand**
- Health Quality & Safety Commission e-digest – [Issue 107](#)

**Healthcare Safety Investigation Branch**
- Investigation into electronic prescribing and medicines administration systems and safe discharge report – [link](#)

**Royal Pharmaceutical Society – The Pharmaceutical Journal**
- Electronic medication systems risk patient safety if not implemented properly, safety body warns - [link](#)

**Specialist Pharmacy Services**
- NICE Bites – [Cellulitis](#)

**World Health Organisation (WHO)**
- Risk reduction of cognitive decline and dementia - [link](#)
- Integrated care for older people (ICOPE) implementation framework: guidance for systems and services - [link](#)
- Integrated care for older people (ICOPE): guidance for person-centred assessment and pathways in primary care - [link](#)
- WHO guidelines for the use of thermal ablation for cervical pre-cancer lesions - [link](#)
**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Betaferon 2™ (interferon beta-1b) - updated with human pregnancy data and guidance for benefit/harm risk discussions while planning and during pregnancy.
  -- Cellcept™ (mycophenolate) products - now states no available data for treatment of first or refractory rejection in paediatric transplant patients and advises that pharmacokinetics were not found to be altered in elderly patients (≥ 65 years) compared to younger transplant patients.
  -- Empagliflozin products (Jardiance™, Synjardy™, Glyxambi™) - now state treatment should be interrupted in patients hospitalised for major surgical procedures/acute serious medical illnesses and monitoring of ketones recommended (blood preferred to urine levels), and treatment restarted when ketones normal and patient stabilised.
  -- Zispin™ (mirtazapine) - hyperprolactinaemia (and related symptoms, galactorrhea and gynecomastia) added as an undesirable effect (unknown frequency).
  -- Propecia™ (finasteride) - haematospermia (visible presence of blood in the semen) added as adverse effect (unknown frequency).
  -- Certican™ (everolimus) - lymphoedema (swelling in all or part of a limb or another part of the body) added as an adverse effect (unknown frequency).
  -- Matrifen™ (fentanyl) transdermal patch - androgen deficiency and delirium added as adverse effects (unknown frequency).
  -- Instanyl™ (fentanyl citrate) nasal spray – dyspnoea added as adverse effect (unknown frequency).
  -- Remicade™ (infliximab) - Cerebrovascular accidents in close temporal association with infusion added as adverse effect (unknown frequency).
  -- Noxfil™ (posaconazole) - pseudoaldosteronism added as adverse effect (frequency unknown).
  -- Opdivo™ (nivolumab) - updated to detail a change in dosing for the treatment of adjuvant melanoma: a flat dose of 240 mg every 2 weeks or 480 mg every 4 weeks is recommended instead of weight-based dosing.

**EMA**
- Biosimilar medicines: Overview - [link](#)

**Food and Drug Administration (FDA) USA**
- Report: Drug Shortages - Root Causes and Potential Solutions - [link](#)
- FDA releases lists of safe alternatives to ranitidine whilst it continues tests for potential contamination with NDMA - [link](#)

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Healthcare professional letter regarding parenteral nutrition products for neonates and children below 2 years of age - protect from light - [link](#)
- Healthcare professional letter regarding Lucentis (ranibizumab) 10 mg/ml pre-filled syringe – plunger on syringe too stiff - [link](#)

**PAPERS OF INTEREST**

**Annals of Internal Medicine**
- The Cost-Effectiveness of Cognitive Behavioral Therapy Versus Second-Generation Antidepressants for Initial Treatment of Major Depressive Disorder in the United States: A Decision Analytic Model - [link](#)

**British Journal of Clinical Pharmacology**
- Multi-site Evaluation of Partnered Pharmacist Medication Charting and In-Hospital Length of Stay - [link](#)

**British Journal of Psychiatry**
- Omega-3 and polyunsaturated fat for prevention of depression and anxiety symptoms: systematic review and meta-analysis of randomised trials - link

**British Medical Journal (BMJ)
- Management of ulcerative colitis: summary of updated NICE guidance - link
- Transmissibility and potential for disease progression of drug resistant Mycobacterium tuberculosis: prospective cohort study - link
- Which emollients are effective and acceptable for eczema in children? - link

**BMJ Quality and Safety
- Comparative effectiveness of risk mitigation strategies to prevent fetal exposure to mycophenolate - link
- Automated detection of wrong-drug prescribing errors - link
- Patient safety superheroes in training: using a comic book to teach patient safety to residents - link

**Circulation
- Specific Antidotes for Direct Oral Anticoagulant Reversal. Case Closed or Cold Case? - link

**Cochrane
- Antiplatelet agents for preventing pre-eclampsia and its complications - link
- Interventions for pityriasis rosea - link
- Intra-pleural fibrinolytic therapy versus placebo, or a different fibrinolytic agent, in the treatment of adult parapneumonic effusions and empyema - link
- Interventions to reduce Staphylococcus aureus in the management of eczema - link
- Vaccines for preventing rotavirus diarrhoea: vaccines in use - link
- Adductor canal blocks for postoperative pain treatment in adults undergoing knee surgery - link
- Topiramate add-on therapy for drug-resistant focal epilepsy - link

**European Heart Journal
- Safety and efficacy outcomes of double vs. triple antithrombotic therapy in patients with atrial fibrillation following percutaneous coronary intervention - link

**European Journal of Hospital Pharmacy
- Improving the aseptic transfer procedures in hospital pharmacies part C: evaluation and redesign of the transfer process - link
- Case: Metronidazole- and levofloxacin-induced psychotic disorders in chronic kidney patient - link
- Analysis of activities undertaken by ward-based clinical pharmacy technicians during patient hospital journey - link

**Internal Medicine Journal
- Effectiveness of epoprostenol in the management of pulmonary arterial hypertension – findings of an Australian retrospective chart review - link
- Community- based management of complex type 2 diabetes: Adaptation of an integrated model of care in a general practice setting - link
- Tocilizumab therapy in rheumatoid arthritis with interstitial lung disease: a multicenter retrospective study - link

**International Journal of Clinical Pharmacy
- Patients’ clinical information requirements to apply the STOPP/START criteria - link

**International Journal for Quality in Health Care
- Assessing the adherence to guidelines in the management of croup in Australian children: a population-based sample survey - link

**JAMA
- Adalimumab and the Challenges for Biosimilars - link
**JAMA Dermatology**
- Factors Associated With Complete Remission After Rituximab Therapy for Pemphigus - [link](#)

**JAMA Facial Plastic Surgery**
- Postoperative Antibiotic Use Among Patients Undergoing Functional Facial Plastic and Reconstructive Surgery - [link](#)

**JAMA Internal Medicine**
- The Clinical Trials Portfolio for On-label and Off-label Studies of Eculizumab - [link](#)

**JAMA Paediatrics**
- Association of Breast Cancer Risk After Childhood Cancer With Radiation Dose to the Breast and Anthracycline Use - A Report From the Childhood Cancer Survivor Study - [link](#)

**JAMIA (Journal of the American Medical Informatics Association)**
- The impact of drug order complexity on prospective medication order review and verification time - [link](#)
- Electronic consultations (E-consults) and their outcomes: a systematic review - [link](#)

**Journal of Patient Safety and Risk Management**
- Building an organization culture of patient safety - [link](#)

**Lancet**
- Comprehensive comparative effectiveness and safety of first-line antihypertensive drug classes: a systematic, multinational, large-scale analysis - [link](#)
- Levofloxacin prophylaxis in patients with newly diagnosed myeloma (TEAMM): a multicentre, double-blind, placebo-controlled, randomised, phase 3 trial - [link](#)
- Targeting calcitonin gene-related peptide: a new era in migraine therapy - [link](#)
- Cannabinoids for the treatment of mental disorders and symptoms of mental disorders: a systematic review and meta-analysis - [link](#)
- Strategies to reduce drug-related harm: responding to the evidence base - [link](#)
- Reported adverse drug reactions in women and men: Aggregated evidence from globally collected individual case reports during half a century - [link](#)
- Series: Drug use
- Review: Chronic constipation: new insights, better outcomes?
- Review: A governance framework for development and assessment of national action plans on antimicrobial resistance
- Probiotic treatment using a mix of three Lactobacillus strains for lumbar spine bone loss in postmenopausal women: a randomised, double-blind, placebo-controlled, multicentre trial - [link](#)

**Medicina**
- Influence of Burnout on Patient Safety: Systematic Review and Meta-Analysis - [link](#)

**New England Journal of Medicine**
- Angiotensin–Neprilysin Inhibition in Heart Failure with Preserved Ejection Fraction - [link](#)
- Drug Regulation in the Era of Individualized Therapies - [link](#)
- Review article: Schizophrenia

**National Institute for Health Research (NIHR) Signals**
- Clinicians prescribe antibiotics for childhood respiratory tract infection (RTI) based on assessment, rather than parental expectation - [link](#)

**Pediatrics**
- Acute Treatment of Migraine in Children and Adolescents - [link](#)
- Pharmacologic Treatment of Pediatric Migraine Prevention - [link](#)
**Prescrire – French Medical Journal**
- Dolutegravir + rilpivirine (Juluca™) dual therapy in HIV infection - [link](#)
- Glitpins: joint pain and exposure to NSAIDs - [link](#)

**Rural and Remote Health**
- Are we there yet? Exploring the journey to quality stroke care for Aboriginal and Torres Strait Islander peoples in rural and remote Queensland - [link](#)

**The National Academies Press – Health and Medicine Division**
- The Convergence of Infectious Diseases and Non-communicable Diseases: Proceedings of a Workshop (2019) - [link](#)

**Thrombosis and Haemostasis**
- NOAC Adherence of Patients with Atrial Fibrillation in the Real World: Dosing Frequency Matters? - [link](#)

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**ACI**
- Managing low back pain - Information for patients - a two page consumer information resource regarding acute low back pain (ALBP), inclusive of a personalised management plan

**Australian Institute for Health and Welfare (AIHW)**
- Rural & remote health - [link](#)
- Burden of tobacco use in Australia: Australian Burden of Disease Study 2015 – [link](#)
- Cancer statistics for small geographic areas - [link](#)

**NSW Health Intranet**
- PD2019_050: Electronic Medication Management System Governance and Standards
- JB2019_041: Schedule 8 Cannabis Medicines and Unregistered Schedule 8 Medicines
- GL2019_014: Pathway for Acute Coronary Syndrome Assessment (PACSA)

**TGA**
- Ranitidine Update - contamination with N-nitrosodimethylamine - [link](#)
- Labelling changes: information for health professionals - [link](#)
- AusPARs:
  - Tofacitinib (as citrate) (Xeljanz®) for the treatment of active psoriatic arthritis in adult patients who have had an inadequate response to a prior DMARD therapy.
  - Blinatumomab (Blinicyto®) for the treatment of relapsed or refractory B-cell precursor acute lymphoblastic leukaemia (ALL) and for the treatment of minimal residual disease (MRD) positive B-cell precursor acute lymphoblastic leukaemia (ALL) in patients in complete haematological remission

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**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Improving the quality of insulin prescribing for people with diabetes being discharged from hospital - [link](#)
- Interventions for Dyspnea in Patients with Advanced Cancer - [link](#)
- Pharmacologic and Nonpharmacologic Therapies in Adult Patients with Exacerbation of COPD - [link](#)
- Medication Errors in the Context of Hematopoietic Stem Cell Transplantation: A Systematic Review – [link](#)
- Automation of the I-PASS Tool to Improve Transitions of Care - [link](#)
- Design and Implementation of a Tool for Pharmacists to Register Potential Errors in Prescribed Medication – link
- Preventing patient harm via adverse event review: An APSA survey regarding the role of morbidity and mortality (M&M) conference - link
- AHRQ Health Information Technology Research: 2018 Year in Review - link

**Canadian Agency for Drugs and Technologies in Health**
- Safety Needles for Insulin Pens: Clinical Effectiveness, Cost-Effectiveness, and Guidelines - link

**Food and Drug Administration (FDA) USA**
- New Drug approvals
  - **aprepitant** (Cinvanti®) for the prevention of delayed nausea and vomiting associated with initial and repeat courses of moderately emetogenic cancer chemotherapy as a single-dose regimen in adults
  - **insulin aspart** (Fiasp®) addition of continuous subcutaneous insulin infusion
  - **dapagliflozin** (Farxiga®) to reduce hospitalization for heart failure in patients with T2DM with cardiovascular disease and with certain risk factors.
  - **ustekinumab** (Stelara®) for ulcerative colitis in adults
  - **ravulizumab** (Ultomiris®) for patients ≥1 month with atypical hemolytic uremic syndrome
  - **etanercept** (Erelzi®) for psoriatic arthritis and adult plaque psoriasis indications
  - **romiplostim** (Nplate®) for thrombocytopenia in adult patients with immune thrombocytopenia (ITP) who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy
  - **asenapine** (Secuado®) transdermal patch for schizophrenia

**Institute for Healthcare Improvement**
- Improving Health Equity: Guidance for Health Care Organizations - link

**Joint Commission**
- Discharge Documentation - Sharing Information with Patients and Practitioners - link

**Health Foundation**
- A descriptive analysis of health care use by high cost, high need patients in England - link

**NHS Improvement**
- Developing allied health professional leaders - an interactive guide for clinicians and trust boards - link

**National Institute for Health and Clinical Excellence (NICE) UK**
- Rivaroxaban for preventing atherothrombotic events in people with coronary or peripheral artery disease - guidance (TA607)
- Lanadelumab for preventing recurrent attacks of hereditary angioedema – guidance (TA606)
- Gastro-oesophageal reflux disease and dyspepsia in adults: investigation and management – Updated guidance (CG184)
- Medicines evidence commentary: Polypharmacy and shared decision-making; development of a - conversation guide
- Medicines evidence commentary: Gastrointestinal disease; observational study and randomised trial give conflicting evidence on association between long-term PPI use and increased risk of death

**Public Health England**
- Healthy ageing: consensus statement - link

**Specialist Pharmacy Services**
- How do you switch between tricyclic, SSRI and related antidepressants? - link

**The King’s Fund (UK)**
- What is happening to life expectancy in the UK? - link

**World Health Organisation (WHO)**
**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Eliquis™ (apixaban): when reversal of anticoagulation is needed due to life-threatening or uncontrolled bleeding, a reversal agent for factor Xa inhibitors is now available (andexanet alfa).
  -- Rebif™ (interferon beta-1a): now advises the name and the batch number of the administered product should be clearly recorded in patients’ notes to manage traceability. Additionally, the drug is not contra-indicated in pregnancy.
  -- Oftaquix™ (levofloxacin) eye drops – now advises tendon inflammation and rupture may occur with systemic fluoroquinolone therapy including levofloxacin, particularly in older patients and those treated concurrently with corticosteroids.
  -- Acitretin – now details that acitretin treatment should be discontinued in case of uncontrolled levels of hypertriglyceridemia or if symptoms of pancreatitis present.

**EMA**
- First non-injectable treatment for severe low blood sugar levels - [link](#)
- Enhancing consistency in wording of therapeutic indications to support healthcare decision-making - [link](#)

**Institute for Safe Medication Practices (ISMP) USA**
Medication Safety Alert! October 24, 2019
- Over-the-Top Risky: Overuse of ADC Overrides, Removal of Drugs without an Order, and Use of Non-profiled Cabinets
- Why ISMP Best Practice #10 (sterile water) is so important
- Dosing care contributes to error
- Amiodarone and niCARdipine mix-ups
- OTC drug containers may lack a barcode

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Ingenol mebutate gel (Picato®): increased incidence of skin tumours in some clinical studies - [link](#)
- Nivolumab (Opdivo®): cytomegalovirus (CMV) gastrointestinal infection or reactivation reports - [link](#)
- Prescribing medicines in renal impairment: using the appropriate estimate of renal function to avoid the risk of adverse drug reactions - [link](#)
- Adrenaline auto-injectors: recent action taken to support safety - [link](#)

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Review of chemically synthesised active pharmaceutical ingredients for presence of nitrosamine impurity - [link](#)

**PAPERS OF INTEREST**

**American Journal of Health-System Pharmacy (AHJP)**
- Vancomycin volume of distribution estimation in adults with class III obesity - [link](#)
- Optimization of intravenous immune globulin use at a comprehensive cancer center - [link](#)
- Frailty in the older person: Implications for pharmacists - [link](#)
- Area under the curve–time curve-based vancomycin monitoring - [link](#)
- Pharmacist perspectives and considerations for implementation of therapeutic oncolgy biosimilars in practice – [link](#)
- Analysis of antibiotic use in a large network of emergency departments – [link](#)
- A systematic overview of systematic reviews evaluating interventions addressing polypharmacy - [link](#)
- Analysis of dosing-button compliance - [link](#)

**Annals of Internal Medicine**
- Management of Nonvariceal Upper Gastrointestinal Bleeding: Guideline Recommendations from the International Consensus Group - [link]

**British Journal of Clinical Pharmacology**
- Drug and therapeutics committees as guardians of safe and rational medicines use - [link]

**British Medical Journal (BMJ)**
- How do I develop a quality improvement project? - [link]
- Clinical Review: New advances in the management of pulmonary sarcoidosis - [link]
- Review: Statins for primary prevention of cardiovascular disease - [link]
- Strengthening the evidence for medicinal cannabis and cannabinoids - [link]
- Hypertension in adults: summary of updated NICE guidance - [link]
- How to improve healthcare improvement—an essay by Mary Dixon-Woods - [link]
- Efficacy of antibiotic treatment in patients with chronic low back pain and Modic changes (the AIM study): double blind, randomised, placebo controlled, multicentre trial - [link]
- Republished case report: Direct oral anticoagulant and AKI: apixaban-induced acute interstitial nephritis
- Mycoplasma genitalium infection - [link]

**BMJ Quality and Safety**
- Passing the acid test? Evaluating the impact of national education initiatives to reduce proton pump inhibitor use in Australia - [link]
- Association between cultural factors and readmissions: the mediating effect of hospital discharge practices and care-transition preparedness - [link]
- Patients’ perspective on how to improve the care of people with chronic conditions in France: a citizen science study within the ComPaRe e-cohort - [link]

**Cochrane**
- Clobazam add-on therapy for drug-resistant epilepsy - [link]
- Interventions for preventing bone disease in kidney transplant recipients - [link]
- Continuous local anaesthetic wound infusion for postoperative pain after midline laparotomy for colorectal resection in adults - [link]
- Nonsteroidal anti-inflammatory drugs for assisted reproductive technology - [link]

**Diabetes Care**
- Cannabis Use Is Associated with Increased Risk for Diabetic Ketoacidosis in Adults with Type 1 Diabetes: Findings From the T1D Exchange Clinic Registry - [link]

**European Heart Journal**
- The 2019 ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD: New features and the ‘Ten Commandments’ of the 2019 Guidelines - [link]
- Bedtime hypertension treatment improves cardiovascular risk reduction: the Hygia Chronotherapy Trial – [link]
- Secondary prevention medications after coronary artery bypass grafting and long-term survival: a population-based longitudinal study from the SWEDHEART registry - [link]

**European Journal of Hospital Pharmacy**
- Antibiotic usage at a clinical paediatric hospital before and after the implementation of actions related to the hospital antibiotic policy - [link]
- Physicochemical stability of an admixture of lidocaine and ketamine in polypropylene syringe used in opioid-free anaesthesia - [link]
- Educational intervention to improve appropriate digoxin therapeutic drug monitoring: a quasi-experimental study - [link]
- Natalizumab: safety and risk in patients with relapsing-remitting multiple sclerosis - [link]

**Health Expectations**
- Beyond translation: Engaging with culturally and linguistically diverse consumers - [link]
- Implementation of the three good questions—A feasibility study in Dutch hospital departments - link

**International Journal of Clinical Practice**
- Efficacy and safety of mineralocorticoid receptor antagonists with ACEI/ARB treatment for diabetic nephropathy: A meta-analysis - link

**JAMA**
- JAMA Insights: Bisphosphonates for Postmenopausal Osteoporosis - link
- Waste in the US Health Care System - link
- Diagnosis and Management of Dementia: Review

**JAMA Dermatology**
- Decision-Analytic Modeling for Time-Effectiveness of the Sequence of Induction Treatments for Moderate to Severe Plaque Psoriasis - link

**JAMA Internal Medicine**
- Effect of Depression Screening after Acute Coronary Syndromes on Quality of Life: The CODIACS-QoL Randomized Clinical Trial - link

**JAMA Network Open**
- Association of Treatment With 5a-Reductase Inhibitors and Prostate Cancer Mortality among Older Adults - link
- Association between Angiotensin-Converting Enzyme Inhibitors, Angiotensin Receptor Blockers, and Suicide - link

**JAMA Neurology**
- Outcomes of Endovascular Thrombectomy vs Medical Management Alone in Patients with Large Ischemic Cores: A Secondary Analysis of the Optimizing Patient's Selection for Endovascular Treatment in Acute Ischemic Stroke (SELECT) Study - link

**JAMA Paediatrics**
- Cow's Milk and Vitamin D Supplementation in Infants—Timing Is Everything - link

**JAMA Surgery**
- Association of Decreased Postsurgical Opioid Prescribing with Patients' Satisfaction with Surgeons - link

**Journal of Pharmacy Practice and Research (JPPR)**
- Repackaging levothyroxine sodium tablets: storage conditions to maintain stability in a hot and humid environment - link
- Utility of PhaSeal, a closed-system drug transfer device, in facilitating vial sharing to reduce waste and assist in medication cost savings - link
- Pharmaceutical quality of antibiotics in Small Island Nations in the Western Pacific region: a pilot survey - link

**Lancet**
- Anaesthetic depth and complications after major surgery: an international, randomised controlled trial - link
- Serological response to three alternative series of hepatitis B revaccination (Fendrix, Twinrix, and HBVaxPro-40) in healthy non-responders: a multicentre, open-label, randomised, controlled, superiority trial - link
- Diabetes: a metabolic and reproductive disorder in women

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Anticholinergic Burden, Sleep Quality and Health Outcomes in Malaysian Aged Care Home Residents - link
**Medical Journal of Australia**
- Intravenous or oral iron for treating iron deficiency anaemia during pregnancy: systematic review and meta-analysis - link

**New England Journal of Medicine**
- Metoprolol for the Prevention of Acute Exacerbations of COPD - link
- Ticagrelor or Prasugrel in Patients with Acute Coronary Syndromes - link
- Five-Year Survival with Combined Nivolumab and Ipilimumab in Advanced Melanoma - link
- 20-Year Follow-up of Statins in Children with Familial Hypercholesterolemia - link
- Six-Month Randomized, Multicenter Trial of Closed-Loop Control in Type 1 Diabetes - link

**Pediatrics**
- Prescription Opioid Use in General and Pediatric Emergency Departments - link

**Pharmacotherapy**
- Parenteral Fosfomycin for the Treatment of Multidrug Resistant Bacterial Infections: The Rise of the Epoxide - link

**Public Library of Science (PLOS)**
- Desmopressin and the risk of hyponatremia: A population-based cohort study - link
- Association of preterm birth with lipid disorders in early adulthood: A Swedish cohort study - link
- Advances in clinical trial design for development of new TB treatments—Translating international tuberculosis treatment guidelines into national strategic plans: Experiences from Belarus, South Africa, and Vietnam - link

**Shock**
- Comparison Between Continuous and Intermittent Administration of Hydrocortisone during Septic Shock: A Randomized Controlled Clinical Trial - link

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**Australian Institute for Health and Welfare (AIHW)**
- Acute rheumatic fever and rheumatic heart disease in Australia - link
- Acute rheumatic fever and rheumatic heart disease: in brief - link
- GEN Aged Care Data: Pathways in Aged Care - link

**TGA**
- AIVC recommendations for the composition of influenza vaccine for Australia in 2020 - link
- Updated information about the personal importation of nicotine-containing e-cigarette products - link
- AusPARs:
  - Certolizumab pegol (Cimzia®) for the treatment of adult patients with moderate to severe chronic plaque psoriasis who are candidates for systemic therapy or phototherapy

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Pharmacist-led, video-stimulated feedback to reduce prescribing errors in doctors-in-training: A mixed methods evaluation - link
- Effect of a sedation weaning protocol on safety and medication use among hospitalized children post critical illness - link

**Canadian Agency for Drugs and Technologies in Health**

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**Medicinal and Synthetic Cannabinoids for Pediatric Patients: A Review of Clinical Effectiveness and Guidelines** - link

**Food and Drug Administration (FDA) USA**
- New Drug approvals
  -- **rivaroxaban** (Xarelto®) new indication: prophylaxis of venous thromboembolism in acutely ill medical patients at risk for thromboembolic complications not at high risk of bleeding
  -- **asenapine** (Secuado®) new formulation: transdermal system

**Health Quality & Safety Commission New Zealand**
- Toolkit encourages staff and senior leadership engagement in infection prevention - link

**Joint Commission**

**NHS England**
- Cannabis-based products for medicinal use: Frequently Asked Questions - link
- NHS website publishes patient guides for hydroxocobalamin, amoxicillin + clavulanate and ciprofloxacin - link

**National Institute for Health and Clinical Excellence (NICE) UK**
- Diabetic foot problems: prevention and management – updated guidance (NG19)
- End of life care for adults: service delivery – guidance (NG142)
- **Lime Square Medical Centre** - Safe prescribing of high-risk drugs - link
- Improving care for older people with co-existing mental disorders and alcohol misuse - link

**Public Health England**
- Updated guidance on flu immunisation for early years' settings including child minders - link

**Royal Pharmaceutical Society**
- Infographic: Is hormone replacement therapy worth the risks?

**Specialist Pharmacy Services**
- Using Standardised Strengths of Unlicensed Liquid Medicines in Children: joint statement from the Neonatal and Paediatric Pharmacists’ Group (NPPG) and the Royal College of Paediatrics and Child Health (RCPCH) – link - link
- **Lime Square Medical Centre** - Safe prescribing of high-risk drugs - link
- Improving care for older people with co-existing mental disorders and alcohol misuse - link

**The King’s Fund (UK)**
- Advancing our health: prevention in the 2020s consultation - link

**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- **Zocor™** (**simvastatin**) - warns that myopathy and/or rhabdomyolysis have been reported with HMG-CoA reductase inhibitors (e.g. simvastatin) co-administered with daptomycin.
  -- **Sutent™** (**sunitinib**) - warns that use of VEGF inhibitors in patients with/without hypertension (HT) may promote formation of aneurysms (ANs) and/or artery dissections. This risk should be carefully considered before treatment in patients with risk factors such as HT/AN history.
  -- **Yervoy™** (**ipilimumab**) - Stomatitis added as a possible adverse drug reaction of unknown frequency for ipilimumab 3mg/kg monotherapy.
-- Cyramza™ (ramucirumab)- warns that use of ramucirumab in patients with or without hypertension (HT) may promote formation of aneurysms (ANs) and/or artery dissections; and risk should be carefully considered in patients with risk factors such as HT or AN history.
-- Renagel™ and Renvela™ (sevelamer hydrochloride)- The following potential adverse effects (frequency unknown) have been listed: gastrointestinal haemorrhage, intestinal ulceration, gastrointestinal necrosis, colitis and intestinal mass.

**Health Canada – MedEffect Notices
- Some EpiPen and EpiPen Jr auto-injectors may be difficult to remove from their carrier tubes - link
- LEMTRADA® (alemtuzumab) – Risk of Autoimmune Hepatitis, Haemophagocytic Lymphohistiocytosis, and Associated Serious Cardiovascular Reactions.

**Medicines and Healthcare products Regulatory Agency (MHRA) UK
- Emerade® adrenaline (epinephrine) pens – patients reminded to carry 2 pens at all times.

**TGA
- Tofacitinib Update - Warning about increased risks of blood clots and of death at higher dose for certain patients - link

**PAPERS OF INTEREST
**Age and Ageing
- New horizons in deprescribing for older people - link

**Alimentary Pharmacology and Therapeutics
- Assessment of steroid use as a key performance indicator in inflammatory bowel disease—analysis of data from 2385 UK patients - link

**Australian Health Review
- Digitising an Australian university hospital: qualitative analysis of staff-reported impacts - link

**American Journal of Health-System Pharmacy (AHJP)
- Inpatient pain management in sickle cell disease - link

**Annals of Internal Medicine
- Rivaroxaban Versus Vitamin K Antagonist in Antiphospholipid Syndrome: A Randomized Non-inferiority Trial - link
- Dapagliflozin reduced cardiorenal outcomes but not MACE in T2 diabetes with or at risk for atherosclerotic CVD – link
- Pantoprazole did not reduce risk for a composite of upper gastrointestinal events in stable arterial disease - link
- Pooled RCTs: In acute ischemic stroke with salvageable brain tissue, alteplase at 4.5 to 9 hours improved function - link
- Comparative Efficacy of Interventions for Aggressive and Agitated Behaviors in Dementia: A Systematic Review and Network Meta-analysis – link
- Cases in Precision Medicine: A Personalized Approach to Stroke and Cardiovascular Risk Assessment in Women - link
- Ensuring Sustainability of Needed Antibiotics: Aiming for the DART Board – link
- Guideline: USPSTF recommends pre-exposure prophylaxis with antiretroviral therapy for persons at high risk for HIV - link
- Review: In older adults with acute major depression, SNRIs, but not SSRIs, increase adverse events vs placebo - link
- Review: In nonsurgical settings, tranexamic acid reduces mortality and does not increase thrombotic events - link
- Review: Extended therapy with DOACs, but not VKAs, reduces mortality after VTE treated with initial anticoagulation - link
**Annals of Rheumatic Diseases**
- Diagnosis of osteoporosis in statin-treated patients is dose-dependent – [link](#)

**British Journal of Clinical Pharmacology**
- A sequence symmetry analysis of the interrelationships between statins, diabetes and skin infections – [link](#)

**British Medical Journal (BMJ)**
- Antithrombotic treatment after coronary artery bypass graft surgery: systematic review and network meta-analysis – [link](#)
- Prescribing for pregnancy: general pre-pregnancy care – [link](#)
- HRT and breast cancer risk – [link](#)
- Underuse of ECG monitoring in oncology patients receiving QT-interval prolonging drugs – [link](#)
- A guide to prospective meta-analysis – [link](#)
- Expert briefing advises that chronic illness linked to Lyme disease is rare – [link](#)
- Unique cardiovascular risk factors in women – [link](#)
- Adherence and persistence to direct oral anticoagulants in atrial fibrillation: a population-based study – [link](#)
- Low total cholesterol is associated with increased major adverse cardiovascular events in men aged ≥70 years not taking statins – [link](#)
- Can surgery be avoided in patients with symptomatic gallstone disease and no complications? – [link](#)

**Circulation**
- Comparison of Events across Bleeding Scales in the ENGAGE AF-TIMI 48 Trial – [link](#)
- Effects of Intensive Versus Standard Ambulatory Blood Pressure Control on Cerebrovascular Outcomes in Older People (INFINITY) – [link](#)

**Cochrane**
- Fluoxetine for adults who are overweight or obese – [link](#)
- Smoking reduction interventions for smoking cessation – [link](#)
- Natriuretic peptide-guided treatment for the prevention of cardiovascular events in patients without heart failure – [link](#)
- Antiepileptic drugs for seizure control in people with neurocysticercosis – [link](#)
- Tiagabine add-on therapy for drug-resistant focal epilepsy – [link](#)
- Treatments for seizures in catamenial (menstrual-related) epilepsy – [link](#)
- Combined spinal-epidural versus spinal anaesthesia for caesarean section – [link](#)
- Inhaled nitric oxide for treating pain crises in people with sickle cell disease – [link](#)

**Critical Care Medicine**

**Diabetes Care**
- Glycemic Outcomes in Adults with T1D Are Impacted More by Continuous Glucose Monitoring than by Insulin Delivery Method: 3 Years of Follow-Up From the COMISAIR Study – [link](#)

**European Journal of Hospital Pharmacy**
- Global summit releases 10 actions towards vaccination for all – [link](#)

**Heart, Lung and Circulation**
- Development of Quality Indicators for Cardiac Rehabilitation in Australia: A Modified Delphi Method and Pilot Test – [link](#)
- 15-Year Trends in Patients Hospitalised with Heart Failure and Enrolled in an Australian Heart Failure Management Program – [link](#)

**Internal Medicine Journal**

*NSW TAG Mail_July to December 2019_Cumulative Issue*
- World Thrombosis Day and prevention of hospital-associated venous thromboembolism - [link]

**JAMA**
- JAMA Insights Clinical Update: Pain Management with opioids in 2019-2020 - [link]
- Patient-Centered Reduction or Discontinuation of Long-term Opioid Analgesics: The HHS Guide for Clinicians - [link]

**JAMA Cardiology**
- Long-term Thromboembolic Risk in Patients With Postoperative Atrial Fibrillation After Left-Sided Heart Valve Surgery - [link]

**JAMA Facial Plastic Surgery**
- Changes in Opioid Prescribing Habits for Patients Undergoing Rhinoplasty and Septoplasty - [link]

**JAMA Internal Medicine**
- Effect of Clinical Geriatric Assessments and Collaborative Medication Reviews by Geriatrician and Family Physician for Improving Health-Related Quality of Life in Home-Dwelling Older Patients Receiving Polypharmacy: A Cluster Randomized Clinical Trial - [link]

**JAMA Neurology**
- Risk of Developing Parkinson Disease in Bipolar Disorder - A Systematic Review and Meta-analysis - [link]

**JAMA Paediatrics**
- Efficacy and Safety of Varenicline for Adolescent Smoking Cessation; A Randomized Clinical Trial - [link]

**JAMA Psychiatry**
- Evidence-Based Drug Treatment of Acute Depression in Bipolar Disorder - [link]

**JAMIA**
- Comparison of the cohort selection performance of Australian Medicines Terminology to Anatomical Therapeutic Chemical mappings - [link]
- Evaluation of interventions to improve inpatient hospital documentation within electronic health records: a systematic review - [link]

**Journal of Palliative Medicine**
- Levetiracetam at the End of Life: A Case Report and Discussion - [link]
- Top Ten Tips Palliative Care Clinicians Should Know When Caring for Patients with Brain Cancer - [link]

**Lancet**
- Effects of tranexamic acid on death, disability, vascular occlusive events and other morbidities in patients with acute traumatic brain injury (CRASH-3): a randomised, placebo-controlled trial - [link]
- Series: Frailty
- Review: Opioid-induced endocrinopathies
- Review: Diabetic peripheral neuropathy: advances in diagnosis and strategies for screening and early intervention
- Review: Glycolysis as a therapeutic target for Parkinson's disease

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Advancing Pharmacist Collaborative Care within Academic Health Systems - [link]

**Medical Journal of Australia**
- Residual risk of infection with blood-borne viruses in potential organ donors at increased risk of infection: systematic review and meta-analysis - [link]
- Phage therapy for severe bacterial infections: a narrative review - [link]

*NSW TAG Mail_July to December 2019_Cumulative Issue*
**National Institute for Health Research (NIHR) Signals**
- Short-term dual antiplatelet treatment may be best for most patients after receiving a drug-eluting stent - link

**NEJM**
- Randomized Trial of Medical versus Surgical Treatment for Refractory Heartburn - link
- Lipid Management for the Prevention of Atherosclerotic Cardiovascular Disease - link

**Journal of Thrombosis and Haemostasis**
- Effect of multidose drug dispensing on the time in therapeutic range in patients using vitamin-K antagonists: A randomized controlled trial - link

**Public Library of Science (PLOS)**
- Disparities in glycaemic control, monitoring, and treatment of type 2 diabetes in England: A retrospective cohort analysis - link

**Rheumatology**
- Cytopenias among patients with rheumatic diseases using methotrexate: a meta-analysis of randomised controlled clinical trials - link

**The Journal of the American Medical Directors Association**
- Accumulation of Hospital Days among Antipsychotic Initiators with Alzheimer's Disease - link

**Thrombosis and Haemostasis**
- Safety of Primary Thromboprophylaxis Using Apixaban in Ambulatory Cancer Patients with Intracranial Metastatic Disease or Primary Brain Tumors - link

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**ACI**
- Smoking cessation among parents attending NICU – John Hunter Children’s Hospital - link

**Australian Commission on Safety and Quality in Health Care (ACSQHC)**
- Australian Hospital Patient Experience Question Set has been translated into 20 languages - link
- Library of patient-reported outcome measures - link

**Australian Institute for Health and Welfare (AIHW)**
- Mental health services in Australia - link
- Mental health services in Australia: in brief 2019 - link

**PBS**
- Changes to mesalazine from 1 October 2019 - link
- Recommendations made by the PBAC - August 2019 Intracycle Meeting - link

**TGA**
- Update – Ranitidine contamination with N-nitrosodimethylamine - link
- Not so much TMI as CMI: empowering consumers with clear, accessible information about their medicines - link
- Electronic cigarettes & Importation of e-cigarettes containing nicotine (and nicotine-containing liquids for use in e-cigarettes)
- Guidelines for using the TGA assessed claim on medicine labels - link
- Australian prescription medicine decision summary: Oxervate™ (Cenegermin (rbe)), a recombinant form of human nerve growth factor, administered as eye drops, intended to enable restoration of corneal integrity.

- AusPARs:
  - Patiromer sorbitex calcium (Veltassa®) powder for hyperkalaemia in adults.
  - Tildrakizumab (Ilumya®) for moderate to severe plaque psoriasis in adults who are candidates for phototherapy or systemic therapy.

- Registration of new or extended uses of registered medicine:
  - DOVATO® (dolutegravir, lamivudine) for the treatment of Human Immunodeficiency Virus-1 (HIV-1) infection in antiretroviral treatment-naïve adults and adolescents who have no known or suspected resistance to either antiretroviral component.
  - XTANDI® (enzalutamide) now also indicated for the treatment of patients with non-metastatic castration-resistant prostate cancer.

- The Royal Australian College of General Practitioners (RACGP)
  - RACGP aged care clinical guide (Silver Book) - link

REPORTS AND PUBLICATIONS – INTERNATIONAL

- Agency for Healthcare Research and Quality (AHRQ) USA
  - Using the WHO International Classification of patient safety framework to identify incident characteristics and contributing factors for medical or surgical complication deaths - link
  - Medication-Assisted Treatment for Opioid Use Disorder Playbook - link
  - Advancing a More Health-Literate Approach to Patient Safety - link

- Canadian Agency for Drugs and Technologies in Health
  - Duration of Bisphosphonate Treatment for Patients with Osteoporosis: A Review of Clinical Effectiveness and Guidelines - link

- FDA
  - New Drug approvals
    -- trametinib (Mekinist®) for unresectable or metastatic melanoma with BRAF mutations as detected by an FDA-approved test.
    -- dabrafenib (Tafinlar®) for unresectable or metastatic melanoma with BRAF V600E mutation as detected by an FDA-approved test.
    -- benralizumab (Fasenra®) for add-on maintenance treatment of severe asthma in patients aged 12 years and older, and with an eosinophilic phenotype.
    -- cetirizine (Quzyttir®) IV formulation for acute urticaria.
    -- teriparadite (Bonsity®) new formulation for treatment of osteoporosis.
    -- emtricitabine/tenofovir (Descovy®) for HIV PrEP in at-risk adults and adolescents.
    -- sacubitril/valsartan (Entresto®) for symptomatic heart failure in pediatric patients 1 year or older.
    -- afamelanotide for use in erythropoietic protoporphyria.

- Institute for Healthcare Improvement
  - Closing the gateway from surgery to persistent opioid use - link

- Joint Commission
  - National Patient Safety Goals - link

- Leeds Teaching Hospitals NHS Trust
  - Innovative Medicines Optimisation Clinic for PCSK9 inhibitors & Statin Intolerance - link

- National Institute for Health and Clinical Excellence (NICE) UK
  - Epilepsies: diagnosis and management- updated clinical guideline (CG137)
  - Idelalisib for treating refractory follicular lymphoma – guidance (TA604)
  - Gastro-oesophageal reflux disease in children and young people: diagnosis and management – updated guidance (NG1)
  - Xeomin (botulinum neurotoxin type A) for treating chronic sialorrhoea – guidance (TA605)
MEDICATION SAFETY

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Opdivo™ (nivolumab) - warns of CMV infection/reactivation in patients with corticosteroid-refractory immune-related colitis (CSRIRD). If confirmed diagnosis of CSRIRD, consider addition of alternative immunosuppressant to CS therapy, or replacement of CS therapy.
  -- Lenvatinib products (Lenvima™ and Kisplyx™ capsules) - use of VEGF pathway inhibitors in patients with/without hypertension (HT) may promote formation of aneurysms (ANs) and/or artery dissections. Before treatment, carefully consider risk in patients with risk factors e.g. HT or AN history.
  -- Voltarol Rapid™ (diclofenac) – warns of risk of Kounis syndrome (frequency not known), a serious allergic reaction that can result in myocardial infarction and an increased risk of gastro-intestinal anastomotic leak which requires caution if using diclofenac after gastro-intestinal surgery.
  -- Norvir™ (ritonavir) and Kaletra™ (ritonavir/lopinavir) – all formulations - updated with interactions with apalutamide (avoid concomitant use) and encorafenib (avoid concomitant use if possible).
  -- Zanidip™ (lercanidipine) - now contraindicates use in recent myocardial infarction, severe renal impairment and use with grapefruit. Use also associated with the development of cloudy peritoneal effluent in patients on peritoneal dialysis which could be mistaken for infective peritonitis.
  -- Thyrogen™ (thyrotropin alfa)- now states “Enlargement of residual thyroid tissue or metastases can occur following treatment with Thyrogen. This may lead to acute symptoms, which depend on the anatomical location of the tissue”.
  -- Avastin™ (bevacizumab) infusion - now advises use of VEGF pathway inhibitors in patients with or without hypertension (HT) may promote formation of aneurysms (ANs) and/or artery dissections. This risk should be carefully considered in patients with risk factors such as HT or AN history.
  -- Epclusa™ 400mg/100mg (sofosbuvir and velpatasvir) - now describes impact of direct-acting antiviral (DAA) therapy on drugs metabolised by the liver (e.g. immunosuppressive agents) and on the potential need for dose adjustment of those drugs when they are co-administered with DAA therapy. 
  -- Plavix™ (clopidogrel) tablets - now details that co-administration of opioids has the potential to delay and reduce the absorption of clopidogrel due to delayed gastric emptying. Use of a parenteral antiplatelet agent in ACS should be considered when opioid co-administration is required.
  -- Temozolomide - Drug reaction with eosinophilia and systemic symptoms (DRESS) added as a potential adverse effect of treatment (frequency unknown).
- New products
  - Movymia™ (biosimilar teriparatide) 20 micrograms/80 microliters solution for injection
  - Voke™ (nicotine) 0.45 mg Inhaler
- Epidyolex™ (cannabidiol) 100 mg/mL oral solution - licensed for use as adjunctive therapy of seizures associated with Lennox-Gastaut syndrome or Dravet syndrome, in conjunction with clobazam, for patients 2 years of age and older. The mechanism by which cannabidiol exerts its anticonvulsant effects is unknown.

**EMA**
- Four-week limit for use of high-strength estradiol creams - intended to minimise the risk of systemic exposure to estradiol which could result in similar adverse effects to those seen with HRT. High-strength estradiol creams should not be prescribed with other HRT medicines.

**Food and Drug Administration (FDA) USA**
- FDA accepts for review two New Drug Applications for fidaxomicin to treat children aged six months up to 18 years with Clostridium difficile infections - link
- FDA consumer warning to stop using tetrahydrocannabinol (THC) vaping products amid ongoing investigation into lung illnesses - link

**Institute for Safe Medication Practices (ISMP) USA**
- Medication Safety Alert! October 10, 2019
  -- Speaking Up About Patient Safety Requires an Observant Questioner and a High Index of Suspicion
  -- Hepatitis C vial contamination despite using sterile needles and syringes
  -- Oral ENFit syringe availability in clinical areas
  -- Acute Care Action Agenda (June – September 2019)

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Class 4 Medicines Defect Information: Emerade™ Adrenaline (Epinephrine) 150, 300 and 500 microgram solution for injection in pre-filled syringe
There are reports Emerade pens (EPs) have failed to activate. Investigation is underway. MHRA is advising EPs should not be recalled as there is insufficient supply of alternative adrenaline pens to replace all EPs that would need to be recalled. Most EPs will activate as normal.

**Pharmaceutical Information and Pharmacovigilance Association (PIPA)**
- PIPA Guidance: Responding to Patient Enquiries - link

**PAPERS OF INTEREST**

**Age and Ageing**
- Efficacy and safety of empagliflozin in older patients in the EMPA-REG OUTCOME® trial - link
- Potentially serious alcohol–medication interactions and falls in community-dwelling older adults: a prospective cohort study border - link

**American Diabetes Association - Diabetes care**
- Machine Learning to Predict the Risk of Incident Heart Failure Hospitalization among Patients with Diabetes: The WATCH-DM Risk Score - link

**American Journal of Respiratory and Critical Care Medicine**
- Azithromycin during Acute Chronic Obstructive Pulmonary Disease Exacerbations Requiring Hospitalization (BACE). A Multicenter, Randomized, Double-Blind, Placebo-controlled Trial - link

**American Journal of Health-System Pharmacy (AHJP)**
- Impact of an extended International Normalized Ratio follow-up interval on Healthcare Use among veteran patients on stable warfarin doses - link
- Varenicline for cessation from nicotine-containing electronic cigarettes - link
- Current targeted therapies in lymphomas - link

**Annals of Internal Medicine**
- A review: An Emerging Crisis: Vaping-Associated Pulmonary Injury - [link](#)

**British Medical Journal (BMJ)**
- Crisis in the supply of medicines (This article discusses the causes, clinical consequences and possible solutions of drug shortages in the UK) - [link](#)
- Penicillin V four times daily for five days versus three times daily for 10 days in patients with pharyngotonsillitis caused by group A streptococci: randomised controlled, open label, non-inferiority study - [link](#)
- Efficacy and safety of first line treatments for patients with advanced epidermal growth factor receptor mutated, non-small cell lung cancer: systematic review and network meta-analysis - [link](#)
- Antidepressant use during pregnancy and the risk of gestational diabetes mellitus: a nested case–control study – [link](#)
- Head To Head: Is Dengvaxia a useful vaccine for dengue endemic areas? – [link](#)
- Clinical update: Peptic ulcer disease – [link](#)

**British Journal of General Practice**
- Acceptability of a primary care-based opioid and pain review service: a mixed-methods evaluation in England - [link](#)

**British Journal of Psychiatry**
- Changing prevalence and treatment of depression among older people over two decades - [link](#)

**British Journal of Quality and Safety**
- Impact of a system-wide quality improvement initiative on blood pressure control: a cohort analysis - [link](#)

**Canadian Medical Association Journal (CMAJ)**
- Risk of rhabdomyolysis with donepezil compared with rivastigmine or galantamine: a population-based cohort study - [link](#)

**Cochrane**
- Botulinum toxin type A in the treatment of lower limb spasticity in children with cerebral palsy - [link](#)
- Antibiotics for treating osteomyelitis in people with sickle cell disease - [link](#)
- PI3K/AKT/mTOR inhibitors for advanced or recurrent endometrial cancer - [link](#)
- Valproate for acute mania - [link](#)
- Pharmacological interventions for treating chronic prostatitis/chronic pelvic pain syndrome - [link](#)
- Antioxidant supplementation for lung disease in cystic fibrosis - [link](#)
- Regimens of vitamin D supplementation for women during pregnancy - [link](#)

**European Heart Journal**
- The 2018 ESC/ESH hypertension guideline and the 2019 NICE hypertension guideline, how and why they differ - [link](#)

**European Journal of Hospital Pharmacy**
- Ulcerative colitis induced by ixekizumab: a case report - [link](#)

**Internal Medicine Journal**
- Therapeutic drug monitoring in Inflammatory Bowel Disease reduces unnecessary use of infliximab with substantial associated cost-savings - [link](#)

**International Journal of Clinical Pharmacy**
- The role of the clinical pharmacist in the prevention of potential drug interactions in geriatric heart failure patients - [link](#)
- Integrating a pharmacist into an anaesthesiology and critical care department: Is this worthwhile? - [link](#)
- Mortality risk in atrial fibrillation: the role of aspirin, vitamin K and non-vitamin K antagonists - [link](#)
**JAMA**
- Clinical guidelines synopsis: Primary Prevention of Cardiovascular Disease - link
- Effect of a Hospital-Initiated Program Combining Transitional Care and Long-term Self-management Support on Outcomes of Patients Hospitalized with Chronic Obstructive Pulmonary Disease: A Randomized Clinical Trial - link

**JAMA Cardiology**
- Statin Use in Primary Prevention of Atherosclerotic Cardiovascular Disease According to 5 Major Guidelines for Sensitivity, Specificity, and Number Needed to Treat - link

**JAMA Network Open**
- Association between Rotavirus Vaccination and Risk of Intussusception among Neonates and Infants. A Systematic Review and Meta-analysis - link

**JAMA Neurology**
- Infection Risks among Patients with Multiple Sclerosis Treated with Fingolimod, Natalizumab, Rituximab, and Injectable Therapies - link

**JAMA Paediatrics**
- Understanding the Global Prevalence of Hypertension in Children and Adolescents - link
- Evaluation of Long-term Risk of Epilepsy, Psychiatric Disorders, and Mortality among Children with Recurrent Febrile Seizures. A National Cohort Study in Denmark - link

**JAMA Psychiatry**
- Association of Antidepressant Use with Adverse Health Outcomes - A Systematic Umbrella Review - link
- Association of Use of Oral Contraceptives with Depressive Symptoms among Adolescents and Young Women - link

**JAMIA**
- Training medical students and residents in the use of electronic health records: a systematic review of the literature - link
- Extracting medications and associated adverse drug events using a natural language processing system combining knowledge base and deep learning - link

**Journal of Opioid Management**
- Patient health literacy and the receipt of opioids in the emergency department - link
- Validity of the screener and opioid assessment for patients with pain-revised (SOAPP-R) in patients with cancer - link
- An Acute Pain Service experience initiating methadone for opioid use disorder in hospitalized patients with acute pain – link
- Measuring opioid dependence in chronic pain patients: A comparison between addiction clinic and pain clinic patient populations - link
- "We get tunnel vision": Emergency medical service providers' views on the opioid epidemic in Baltimore City - link
- Postoperative surgical trainee opioid prescribing practices (POST-OPP): A national survey - link
- Developing opioid prescribing recommendations in the postoperative orthopedic setting - link
- Mania induced by tramadol-venlafaxine combination - link
- Tapering off long-term methadone: A case study – link

**Journal of the American College of Cardiology**
- Effects of Alirocumab on Cardiovascular Events after Coronary Bypass Surgery - link

**Journal of Palliative Medicine**
- Benefit of Tetrahydrocannabinol versus Cannabidiol for Common Palliative Care Symptoms - link
- Medical Cannabis in Palliative Care: Meaningful Additions to the Research Evidence - link
- Cannabis Use among Patients in a Rural Academic Palliative Care Clinic - link
- Cannabis Hyperemesis Syndrome in Palliative Care: A Case Study and Narrative Review – link
- Crossing the Line: Care of a Pediatric Patient with Intractable Seizures and Severe Neuropathic Pain in Absence of Access to Medical Marijuana – link

**Lancet**
- Durvalumab plus platinum–etoposide versus platinum–etoposide in first-line treatment of extensive-stage small-cell lung cancer (CASPION): a randomised, controlled, open-label, phase 3 trial - link
- Prescription opioid dispensing in Australian children and adolescents: a national population-based study - link
- Patient-reported outcomes with durvalumab after chemoradiotherapy in stage III, unresectable non-small-cell lung cancer (PACIFIC): a randomised, controlled, phase 3 study - link
- Ramucirumab plus erlotinib in patients with untreated, EGFR-mutated, advanced non-small-cell lung cancer (RELAY): a randomised, double-blind, placebo-controlled, phase 3 trial - link
- Medicines associated with dependence or withdrawal: a mixed-methods public health review and national database study in England – link
- Lithium: past, present, and future – link
- A governance framework for development and assessment of national action plans on antimicrobial resistance – link

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Learning Needs of Pharmacists for an Evolving Scope of Practice - link
- Examining the Pharmacist Labor Supply in the United States: Increasing Medication Use, Aging Society, and Evolution of Pharmacy Practice – link

**Medical Journal of Australia**
- Medical Education: A structured approach to acid-base interpretation - link
- Frailty in very old critically ill patients in Australia and New Zealand: a population-based cohort study - link

**New England Journal of Medicine**
- Ticagrelor in Patients with Stable Coronary Disease and Diabetes - link
- Isoniazid Preventive Therapy in HIV-Infected Pregnant and Postpartum Women - link
- Review article: Zika Virus Infection — After the Pandemic - link

**National Institute for Health Research (NIHR) Signals**
- Better strategies are needed to reduce preventable patient harm in healthcare - link
- Early suppression of male hormones is better than delayed therapy for advanced prostate cancer on balance - link
- ‘Last resort’ antipsychotic remains the gold standard for treatment-resistant schizophrenia - link

**Pediatrics**
- Improving Infant Vaccination Status in a Level IV Neonatal Intensive Care Unit - link
- Mental Health Conditions and Hyperthyroidism - link

**Pharmacotherapy**
- Steady-State Ceftazidime-Avibactam Serum Concentrations and Dosing Recommendations in a Critically Ill Patient Being Treated for Pseudomonas aeruginosa Pneumonia and Undergoing Continuous Venovenous Hemodiafiltration - link
- Hepatitis B virus reactivation: Risk factors and current management strategies - link
- Medication use for comorbidities in people with Alzheimer's disease: an Australian population-based study - link
- Risk Factors and Outcomes Associated with Prolonged Subtherapeutic Anticoagulation with Bivalirudin: a Retrospective Cohort Study - link

**Prescriber UK**
- NICE issues antimicrobial prescribing guidance for pneumonia - link
- PHE report examines extent of prescription drug dependence - link

 NSW TAG Mail_July to December 2019_Cumulative Issue
- Breast cancer risk persists after HRT discontinuation - [link]
- NICE does not recommend erenumab for migraine prevention - [link]
- MHRA clarifies position on Avastin for AMD - [link]

**Public Library of Science (PLOS)
- The efficacy of dihydroartemisinin-piperaquine and artemether-lumefantrine with and without primaquine on Plasmodium vivax recurrence: A systematic review and individual patient data meta-analysis - [link]
- Wirelessly observed therapy compared to directly observed therapy to confirm and support tuberculosis treatment adherence: A randomized controlled trial - [link]
- Preconception diabetes mellitus and adverse pregnancy outcomes in over 6.4 million women: A population-based cohort study in China - [link]

**Thrombosis and Haemostasis
- Direct oral anticoagulant for the prevention of thrombosis in ambulatory patients with cancer: A systematic review and meta-analysis - [link]
- Understanding Factors Associated with Quality of Life in Patients with Venous Thromboembolism - [link]

**University of York International register of systematic reviews
- Interventions aiming to reduce time to antibiotics (TTA) in patients with fever and neutropenia during chemotherapy for cancer (FN), a systematic review - [link]

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REPORTS AND PUBLICATIONS – AUSTRALIA

**Mid North Coast Local Health District
- An Aboriginal Cultural Safety And Security Framework - Improving Aboriginal health outcomes through culturally safe and secure mainstream healthcare governance and practice - [link]

**NPS MedicineWise
- Opioids out of balance - [link]
- If not opioids, then what? - [link]

**NSW Health Intranet
- PD2019_045 - Discharge Planning and Transfer of Care for Consumers of NSW Health Mental Health Services
- Safety Notice 013/19 - Incompatibility between Oxygen Cylinders with Inbuilt Regulators and Air/Oxygen Blenders

**PBS
- PBS Website Update - 1 October 2019 - [link]

**TGA
- Febuxostat (Adenuric®) Safety advisory – increased risk of death in gout patients with a history of major cardiovascular disease - [link]
- New edition of The Poisons Standard (the SUSMP) October 2019
- AusPARs:
  -- Crisaborole (Staquis®) for topical treatment of mild to moderate atopic dermatitis in patients 2 years of age and older.
  -- Galcanezumab (Emgality®) for the prophylaxis of migraine in adults
  -- Dasatinib (Sprycel®) new indication for the treatment of adults aged 18 years or over with newly diagnosed Philadelphia chromosome positive acute lymphoblastic leukaemia integrated with chemotherapy
  -- Rituximab (Ritemvia®, Truxima®) new strength 100mg/10mL and extension of indications: now for treatment of:

NSW TAG Mail_July to December 2019_Cumulative Issue
- Non-Hodgkin’s Lymphoma
- Chronic Lymphocytic Leukaemia (in combination with chemotherapy)
- Rheumatoid Arthritis (in combination with methotrexate)
- Granulomatosis with polyangiitis (Wegener’s) and Microscopic polyangiitis (in combination with glucocorticoids)

**Victorian Institute of Forensic Medicine - Clinical Communiqué – September**

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Special Issue on Prescription Drug Misuse - [link](#)
- How hospitals select their patient safety priorities: an exploratory study of four Veterans Health Administration hospitals - [link](#)
- Epidemiology of adverse events and medical errors in the care of cardiology patients - [link](#)
- Antipsychotics for the prevention and treatment of delirium. **Comparative Effectiveness Review No. 219**

**Canadian Agency for Drugs and Technologies in Health**
- Rapid response report: Intravenous Ketamine Use in Adults with Treatment Resistant Depression or Post-Traumatic Stress Disorder: A Review of Clinical Effectiveness, Cost-Effectiveness and Guidelines - [link](#)
- Rapid response report: Second-Line Therapy for Patients with Relapsing-Remitting Multiple Sclerosis: A Review of Guidelines - [link](#)

**Food and Drug Administration (FDA) USA**
- Biosimilar Basics for patients - [link](#)
- New Drug approvals
  -- Rituximab (Rituxan®) for rare types of vasculitis in children and adolescents
  -- Glecaprevir/pibrentasvir (Mavyret®) for HCV in treatment-naive adults and adolescents
  -- Antihemophilic factor/von Willebrand factor complex (Alphanate®) new indication for adults and adolescents with hemophilia A
  -- Smallpox (vaccinia) and monkeypox vaccine, live, non-replicating (Jynneos®) to prevent smallpox and monkeypox
  -- Dysport™ (abobotulinumtoxinA) for treatment of upper limb spasticity in children, excluding cerebral palsy
  -- Canagliflozin to reduce risk of hospitalisation for heart failure in certain patients with type II diabetes and to slow the progression of diabetic nephropathy

**Health Canada**
- Health Product InfoWatch, **September 2019**

**Health Quality & Safety Commission New Zealand**
- Speaking up for patient safety - [link](#)
- On Older Persons Day, think twice about that medical test or treatment - [link](#)

**NHS Improvement**
- Provisional publication of Never Events reported as occurring between 1 April and 31 August 2019 - [link](#)

**National Institute for Health and Clinical Excellence (NICE) UK**
- Abortion care- guidance **NG140**
- Cellulitis and erysipelas: antimicrobial prescribing – guidance **NG141**

**Prescrire**
- Paracetamol: patients need to be more aware of the harms - [link]
- Secondary cardiovascular prevention: dubious benefits of evolocumab (Repatha*) and alirocumab (Praluent*) - [link]
- Trials funded by drug companies: publication or publicity? - [link]

**Public Health England**
- Updated (2019) guidelines for malaria prevention in travellers from the UK - [link]
- Updated (2019) PHE guidance on use of antiviral agents for the treatment and prophylaxis of seasonal influenza - [link]

**Specialist Pharmacy Services**
- Prioritising pharmaceutical care delivery in the acute inpatient setting: Literature review summary – [link]
- Prescribing Outlook 2019 – potential impact of new drugs and national guidance on the local health economy

**The King's Fund (UK)**
- Life expectancy in England: what's going on? - [link]
- The politics of health: what do the public think about the NHS? – [link]

**MEDICATION SAFETY**
**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Cosentyx™ (secukinumab) injection - Lower respiratory tract infections and inflammatory bowel disease added as uncommon adverse effects.
  -- Lipitor™ (atorvastatin calcium trihydrate): atorvastatin dose should not exceed 20 mg/day in patients concomitantly taking the hepatitis C antiviral agents elbasvir/grazoprevir or letervm.
  -- Caelyx™ (doxorubicin hydrochloride) - ventricular arrhythmia, palpitations, cardiac failure, right bundle branch block & reduced ejection fraction added as uncommon ADRs following analysis of patients receiving doxorubicin for breast or ovarian cancer, multiple myeloma or AIDS-related Kaposi's sarcoma.
  -- Tacrolimus monohydrate - Letermovir added to list of substances shown to increase tacrolimus blood levels and febrile neutropenia added as an adverse effect.
  -- Cipralex™ (escitalopram) tablets – now warns that serotonin reuptake inhibitors (SSRIs)/serotonin norepinephrine reuptake inhibitors (SNRIs) may cause symptoms of sexual dysfunction which may continue despite SSRIs/SNRI discontinuation.

**EMA**
- EMA advises companies on steps to take to avoid nitrosamines in human medicines - [link]
- Change of name of liposomal medicines at high risk of medication errors: for medicines administered topically or by other routes of administration, the qualifier 'liposomal' or 'pegylated liposomal' should only be added to the name when a clear risk of medication errors has been identified - [link]

**Health Quality & Safety Commission New Zealand**
- ALERT: Transdermal patches (placement of transdermal patches in patients with cognitive impairment)

**Institute for Safe Medication Practices (ISMP) USA**
- Medication Safety Alert! September 26, 2019
  -- Published Review of Independent Double Checks Shouldn't Dissuade Providers from Using Them Judiciously
  -- Enoxaparin prefilled syringes, and more

**TGA**
- Update 03/10/2019 - Ranitidine recall for contamination with N-nitrosodimethylamine
- **Febuxostat** (Adenuric™) tablets. Safety advisory – increased risk of death in gout patients with a history of major cardiovascular disease
- Registration of **new or extended uses** of registered medicine:
  -- **Kadcyla™** (trastuzumab emtansine (rch) powder for injection), as a single agent, is now also indicated for the adjuvant treatment of patients with HER2-positive early breast cancer who have residual invasive disease after neoadjuvant taxane and trastuzumab-based treatment.
  -- **Lenvima™** (lenvatinib mesilate hard capsules), in combination with pembrolizumab, is now also indicated for the treatment of patients with advanced endometrial carcinoma that is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR), who have disease progression following prior systemic therapy and are not candidates for curative surgery or radiation.
- Registration of **new chemical entities** in Australia:
  -- **Ajoyv™** (fremanezumab solution for injection) is indicated for the preventive treatment of migraine in adults.

**PAPERS OF INTEREST**

**Addiction**
- Codeine use and harms in Australia: evaluating the effects of re-scheduling - [link](#)

**American Journal of Cardiology**
- Oral Fluoroquinolones and Risk of Mitral and Aortic Regurgitation - [link](#)
- Usefulness of CHA2DS2-VASc Score to Predict Stroke Risk Independent of Atrial Fibrillation - [link](#)

**Arthritis and Rheumatology**
- Predicting Severe Infection and Effects of Hypogammaglobulinemia during Therapy with Rituximab in Rheumatic and Musculoskeletal Diseases - [link](#)

**American Journal of Health-System Pharmacy (AHJP)**
- Lithium-related medication problems on non-psychiatric inpatient medical units - [link](#)
- The importance of dosing interval in limiting vancomycin AUC with trough monitoring - [link](#)

**Annals of Internal Medicine**
- A Tiered Approach for Preventing *Clostridioides difficile* Infection - [link](#)
- Quantitative Results of a National Intervention to Prevent *Clostridioides difficile* Infection: A Pre–Post Observational Study - [link](#)
- A Tiered Approach for Preventing Methicillin-Resistant *Staphylococcus aureus* Infection - [link](#)
- Quantitative Results of a National Intervention to Prevent Hospital-Onset Methicillin-Resistant *Staphylococcus aureus* Bloodstream Infection: A Pre–Post Observational Study - [link](#)

**British Medical Journal (BMJ)**
- Use of fenofibrate on cardiovascular outcomes in statin users with metabolic syndrome: propensity matched cohort study - [link](#)
- Female sex as a risk factor for ischaemic stroke varies with age in patients with atrial fibrillation - [link](#)
- What are the respiratory effects of e-cigarettes? - [link](#)

**BMJ Drug and Therapeutics Bulletin**
- Cannabinoids not very effective for chronic non-cancer pain - [link](#)
- Does evidence support vitamin D treatment for multiple sclerosis? - [link](#)
- Interventions for older people with multiple chronic diseases - [link](#)
- Oral or intravenous antibiotics for complex orthopaedic infections? - [link](#)
- Do oral steroids improve hearing outcomes in children with otitis media with effusion? - [link](#)
- Republished: Retrograde ejaculation associated with quetiapine and treatment with low-dose imipramine - [link](#)
- Review: How to improve healthcare improvement – [link](#)

**BMJ Open Quality**
- Short-notice (48 hours) ACCREDITATION trial in Australia: stakeholder perception of assessment thoroughness, resource requirements and workforce engagement - [link](#)

- Circulation
  - Antithrombotic Therapy in Patients with Atrial Fibrillation and Acute Coronary Syndrome Treated Medically or with Percutaneous Coronary Intervention or Undergoing Elective Percutaneous Coronary Intervention: Insights from the AUGUSTUS Trial - [link](#)
  - Very Short Dual Antiplatelet Therapy after Drug-eluting Stent Implantation in Patients with High Bleeding Risk: Insight from the STOPDAPT-2 Trial - [link](#)

**Clinical Journal of Pain**
- Efficacy and Safety of Low-dose Codeine-containing Combination Analgesics for Pain: Systematic Review and Meta-Analysis - [link](#)

**Clinics in Geriatric Medicine**
- Cardiac Rehabilitation to Optimize Medication Regimens in Heart Failure - [link](#)
- Prehabilitation: The Right Medicine for Older Frail Adults Anticipating Transcatheter Aortic Valve Replacement, Coronary Artery Bypass Graft, and Other Cardiovascular Care - [link](#)

**Clinical Pharmacology & Therapeutics**
- Are novel, non-randomised analytic methods fit for decision-making? The need for prospective, controlled and transparent validation - [link](#)

**Cochrane**
- Prostanoids and their analogues for the treatment of pulmonary hypertension in neonates - [link](#)
- Antibiotics for trachoma - [link](#)
- Perioperative beta-blockers for preventing surgery-related mortality and morbidity in adults undergoing non-cardiac surgery - [link](#)
- Prophylactic antibiotics to prevent surgical site infection after breast cancer surgery - [link](#)

**European Journal of Hospital Pharmacy**
- On-call pharmacy services: a perspective from the Royal Alexandra Hospital (NHS Greater Glasgow & Clyde) and comparison with NHS Tayside, Scotland - [link](#)

**Heart (British Cardiac Society)**
- Oral anticoagulants in atrial fibrillation with valvular heart disease and bioprosthetic heart valves - [link](#)

**Internal Medicine Journal**
- Real-World Direct Oral Anticoagulants Experience in Atrial Fibrillation: Falls Risk and Low Dose Anticoagulation are Predictive of both Bleeding and Stroke Risk - [link](#)

**International Journal of Clinical Pharmacy**
- Assessing risk of adverse drug reactions in the elderly: a feasibility study - [link](#)
- Prevalence of potential drug–drug interactions in outpatients on treatment with parenteral antineoplastic drugs - [link](#)
- Prescriptome analytics: an opportunity for clinical pharmacy - [link](#)

**JAMA**
- Screening for Asymptomatic Bacteriuria in Adults: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force - [link](#)
- Patient page: Screening for Asymptomatic Bacteriuria - [link](#)
- Effect of Vitamin C Infusion on Organ Failure and Biomarkers of Inflammation and Vascular Injury in Patients with Sepsis and Severe Acute Respiratory Failure: The CITRIS-ALI Randomized Clinical Trial - [link](#)
- Chronic Kidney Disease Diagnosis and Management: A Review - [link](#)
**JAMA Cardiology**
- Benefit and Risks of Aspirin in Addition to Ticagrelor in Acute Coronary Syndromes
  A Post Hoc Analysis of the Randomized GLOBAL LEADERS Trial - [link](#)

**JAMA Network Open**
- Association of Rotavirus Vaccination with Inpatient and Emergency Department Visits among
  Children Seeking Care for Acute Gastroenteritis, 2010-2016 - [link](#)
- Association of BCG Vaccination in Childhood with Subsequent Cancer Diagnoses: A 60-Year
  Follow-up of a Clinical Trial - [link](#)
- Cost-effectiveness of Atezolizumab Combination Therapy for First-Line Treatment of Metastatic
  Nonsquamous Non–Small Cell Lung Cancer in the United States - [link](#)

**JAMA Oncology**
- Antibody Drug Conjugates for Cancer Treatment - [link](#)
- Factors Associated With Successful Discontinuation of Immune Suppression After Allogeneic
  Hematopoietic Cell Transplantation – [link](#)
- Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With
  Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic
  Analysis for the Global Burden of Disease Study – [link](#)

**JAMIA (Journal of the American Medical Informatics Association)**
- Need for innovation in electronic health record-based medication alerts - [link](#)
- Structured override reasons for drug-drug interaction alerts in electronic health records - [link](#)

**Journal of Pharmacy Practice and Research (JPPR)**
- Emergency contraception awareness in an at-risk population - [link](#)

**Lancet**
- Single inhaler extrafine triple therapy in uncontrolled asthma (TRIMARAN and TRIGGER): two
  double-blind, parallel-group, randomised, controlled phase 3 trials - [link](#)
- Ceftolozane–tazobactam versus meropenem for treatment of nosocomial pneumonia (ASPECT-NP):
  a randomised, controlled, double-blind, phase 3, non-inferiority trial - [link](#)
- Effect of infectious disease consultation on mortality and treatment of patients with candida
  bloodstream infections: a retrospective, cohort study - [link](#)
- Time-to-progression after front-line fludarabine, cyclophosphamide, and rituximab
  chemoinmunotherapy for chronic lymphocytic leukaemia: a retrospective, multicohort study - [link](#)
- Nivolumab versus chemotherapy in patients with advanced oesophageal squamous cell carcinoma
  refractory or intolerant to previous chemotherapy (ATTRACTION-3): a multicentre, randomised, open-
  label, phase 3 trial - [link](#)
- Health-related quality of life after apalutamide treatment in patients with metastatic castration-
  sensitive prostate cancer (TITAN): a randomised, placebo-controlled, phase 3 study - [link](#)
- Anti-influenza hyperimmune intravenous immunoglobulin for adults with influenza A or B infection
  (FLU-IVIG): a double-blind, randomised, placebo-controlled trial - [link](#)
- Anti-influenza immune plasma for the treatment of patients with severe influenza A: a randomised,
  double-blind, phase 3 trial - [link](#)
- Predicting response to benralizumab in chronic obstructive pulmonary disease: analyses of
  GALATHEA and TERRANOVA studies - [link](#)
- Long-term changes of gut microbiota, antibiotic resistance, and metabolic parameters after
  Helicobacter pylori eradication: a multicentre, open-label, randomised trial – [link](#)
- Effect of a fluid bolus on cardiovascular collapse among critically ill adults undergoing tracheal
  intubation (PrePARE): a randomised controlled trial – [link](#)
- Review: SGLT2 inhibitors as adjunctive therapy for type 1 diabetes: balancing benefits and risks -
  [link](#)
- The future of cystic fibrosis care: a global perspective - [link](#)

**Longwoods Healthcare Quarterly**
- Types of Opioid Harms in Canadian Hospitals: Comparing Canada and Australia - [link](#)

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**Medical Journal of Australia**
- Health care for older people in rural and remote Australia: challenges for service provision - [link]

**New England Journal of Medicine**
- Nintedanib in Progressive Fibrosing Interstitial Lung Diseases - [link]
- Five-Year Survival with Combined Nivolumab and Ipilimumab in Advanced Melanoma - [link]
- Niraparib in Patients with Newly Diagnosed Advanced Ovarian Cancer - [link]
- Nivolumab plus Ipilimumab in Advanced Non–Small-Cell Lung Cancer - [link]
- Ticagrelor with or without Aspirin in High-Risk Patients after PCI - [link]
- Ustekinumab as Induction and Maintenance Therapy for Ulcerative Colitis - [link]
- Review: *Neurosyphilis*

**National Institute for Health Research (NIHR) Signals**
- Diagnosis of delirium in hospitals can be improved by the 4 A’s test - [link]

**Pediatrics (American Academy of Pediatrics)**
- Associations between Opioid Prescribing Patterns and Overdose among Privately Insured Adolescents - [link]

**Public Library of Science (PLOS)**
- Preconception diabetes mellitus and adverse pregnancy outcomes in over 6.4 million women: A population-based cohort study in China - [link]

**Therapeutics and Clinical Risk Management**
- The Efficacy and Safety Of Aspirin As The Primary Prevention Of Cardiovascular Disease: An Updated Meta-Analysis - [link]

**Thrombosis and Haemostasis**
- Global Use of Idarucizumab in Clinical Practice: Outcomes of the RE-VECTO Surveillance Program - [link]

**TAG Mail 26 September 2019**

**Australian Institute for Health and Welfare (AIHW)**
- Alcohol, tobacco & other drugs in Australia - [link]
- Medication use for ankylosing spondylitis, psoriatic arthritis, and juvenile arthritis 2016–17 - [link]
- Health expenditure Australia 2017–18 – [link]

**PBSC**
- PBS News: Electronic Prescribing - [link]

**Pharmacy Council of New South Wales**
- New compounding resources now available:
  - Compounding checklist
  - Premises and equipment guidance for non-sterile complex compounding

**TGA**
- AusPARs: Tofacitinib (*Xeljanz*®) new strength 10 mg film coated tablet and 5mg for new indication: treatment of adult patients with moderately to severely active ulcerative colitis (UC) who have had an inadequate response, lost response, or were intolerant to either conventional therapy or a biological therapy - [link]
- Bictegravir / emtricitabine / tenofovir alafenamide (Biktarvy®) for HIV-1 infection in adults who are ART naïve or virologically suppressed without any known mutations associated with resistance to the individual components of Biktarvy® - [link]
- Osimertinib mesilate (Tagrisso®) first-line treatment of patients with locally advanced or metastatic non-small cell lung cancer (NSCLC) whose tumours have activating epidermal growth factor receptor (EGFR) mutations - link
- Erenumab (Aimovig®) for prophylaxis of migraine in adults - link

REPORTS AND PUBLICATIONS – INTERNATIONAL
**Agency for Healthcare Research and Quality (AHRQ) USA**
- Addressing Diagnostic Error: A Top Source of Preventable Harm and Cost - link

**Canadian Agency for Drugs and Technologies in Health**
- Rapid response: Sodium-Glucose Cotransporter 2 Inhibitors for the Treatment of Diabetic Nephropathy: A Review of Clinical Effectiveness - link
- Rapid response: Minocycline for Relapsing-Remitting Multiple Sclerosis and Clinically Isolated Syndrome: A Review of Clinical Effectiveness and Guidelines - link

**Food and Drug Administration (FDA) USA**
  -- FDA approves oral semaglutide (Rybelsus™) tablets for treatment of type 2 diabetes
  -- Ceftaroline (Teflaro®) for treatment of community-acquired bacterial pneumonia

**National Institute for Health and Clinical Excellence (NICE) UK**
- Pneumonia in adults: diagnosis and management – updated guideline CG191

**Patient Information Forum (PIF)**
- PIF partners with cross sector organisations to develop new ‘quality mark’ for trustworthy health information - link

**Public health England**
- Vaccine incident guidance: responding to vaccine errors - link
- Vaccines stored outside the recommended temperature range (leaflet for parents, carers and patients) – link

**Royal Pharmaceutical Society**
- Pharmacist access to records is the key to even better patient care - link

MEDICATION SAFETY
**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Sustanon™ (testosterone esters) - added warning that abuse can lead to serious adverse reactions including CV (with fatal outcomes in some cases), hepatic and/or psychiatric events.
  -- Stelara™ (ustekinumab) – added non-infectious organising pneumonia as a very rare adverse effect.
- Imbruvica™ (ibrutinib) - updated to warn use of anticoagulants or antiplatelets concomitantly with ibrutinib increases risk of major bleeding. Supplements e.g. fish oil and vitamin E should be avoided. Furthermore, cases of fatal invasive fungal infections including Aspergillosis have been reported.
-- Diprosone™ (betamethasone dipropionate) ointment - updated to state fabric that has been in contact burns more easily and is a serious fire hazard. Washing fabric may reduce product build-up but not totally remove it. Advise patients not to smoke or go near naked flames due to risk of severe burns.
-- Gilenya™ (fingolimod hydrochloride) - contraindicated in women of childbearing potential not using effective contraception; before initiation, a negative pregnancy test result must be available and counselling provided regarding potential for serious risk to the foetus.
-- Cordarone X™ (amiodarone) - warns of increased risk of life-threatening primary graft dysfunction (frequency not known) with amiodarone use in the transplant recipient prior to heart transplant. Consider an alternative antiarrhythmic drug before transplant.
-- Avonex™ (interferon beta-1a) and Plegridy™ (peginterferon beta-1a) - no longer contra-indicated in pregnancy and includes registry data on exposure to drug in pregnancy. Now advises the name and batch number of the administered product be clearly recorded in patient notes.
-- Klaricid™ (clarithromycin) – updated to advise fertility studies in rats have not shown any evidence of harmful effects on fertility.
-- Ventavis™ (iloprost) nebuliser solution - update regarding extension of shelf-life from 2 to 4 years.
-- Brilique™ (ticagrelor) tablets – updated to warn of potential to interfere with platelet function tests to diagnose heparin induced thrombocytopenia (HIT).
-- Lioresal™ tablets and liquid (baclofen) - updated in line with EMA PRAC recommendations to add a warning on suicide and suicide-related events and a warning on misuse, abuse and dependence.

**EMA**
- **Cannabinoid** Epidyolex™
The European Commission has approved the cannabidiol oral solution as adjunctive therapy of seizures associated with Lennox Gastaut syndrome (LGS) or Dravet syndrome, in conjunction with clobazam, for patients two years of age and older

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- **Fingolimod** (Gilenya™): increased risk of congenital malformations; new contraindication during pregnancy and in women of childbearing potential not using effective contraception. Women should be provided with new pregnancy (PG) specific patient reminder card. PG should be excluded before starting fingolimod and PG testing repeated at suitable intervals during treatment. Contraception must be used during treatment and for 2 months after discontinuation.
- **Montelukast** (Singulair™): reminder of the risk of neuropsychiatric reactions. Patients and caregivers are advised to read carefully list of neuropsychiatric reactions (NRs) and seek medical advice immediately should they occur. Healthcare staff are advised to be aware of newly recognised NRs of speech impairment (stuttering) and OCD symptoms.
- All models of T34 ambulatory syringe pumps – updated cleaning advice and maintenance requirements due to the risk of fluid ingress - link
- Update on the licensing status of Avastin® when intended for intravitreal administration - link

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Medicines containing ranitidine and a potential impurity, N-nitrosodimethylamine (NDMA) - link
- Possible risk of lichen planus or lichenoid drug eruption with zoster (shingles) vaccine or influenza vaccine - link

**TGA**
- **Arthrem** (Artemisia annua extract) capsules - Safety advisory - potential risk of harm to the liver update: The sponsor has cancelled Arthrem capsules from the Australian Register of Therapeutic Goods, hence it can no longer be legally supplied in Australia.
- Australian prescription medicine decision summaries
-- Uvadex™ (Methoxsalen) for extracorporeal administration with the Therakos Cellex Photopheresis System for the treatment of steroid-refractory and steroid-intolerant chronic graft versus host disease (cGVHD) in adults following allogeneic HSC transplantation.
-- Diacomit™ (stiripentol) - for adjunctive treatment of generalised tonic-clonic and clonic seizures associated with severe myoclonic epilepsy in infancy (SMEI, also known as Dravet syndrome) in patients whose seizures are not adequately controlled with a benzodiazepine (usually clobazam) and valproate.

**UK Teratology Information Service (UKTIS)**
- **Ondansetron in pregnancy** – updated healthcare professional monograph and patient information leaflet. UKTIS recommend ondansetron be reserved as a 2nd line agent for nausea and vomiting in the first trimester of pregnancy, and for patients to be counselled regarding a small increase in risk of orofacial cleft which may exist if taken in the first trimester.

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**PAPERS OF INTEREST**

**Arthritis and Rheumatology**
- Hydroxychloroquine Blood Levels Predict Hydroxychloroquine Retinopathy - link

**American Journal of Health-System Pharmacy (AHJP)**
- Caring for and assessing pediatric patients: Aspects to consider as a pharmacy practitioner - link
- Pharmacokinetic considerations in pediatric pharmacotherapy - link
- Pediatric medication safety considerations for pharmacists in an adult hospital setting - link
- Enteral and parenteral nutrition considerations in pediatric patients - link
- Considerations for neonatal and pediatric pain management - link
- Common bacterial infections and their treatment in hospitalized pediatric patients - link
- Select topics in the management of critically ill children - link
- Pediatric-to-adult healthcare transitions: Current challenges and recommended practices - link
- The importance of dosing interval in limiting vancomycin AUC with trough monitoring – link

**Annals of Internal Medicine**
- Prevention, Diagnosis, Evaluation, and Treatment of Hepatitis C Virus Infection in Chronic Kidney Disease: Synopsis of the Kidney Disease: Improving Global Outcomes 2018 Clinical Practice Guideline - link

**British Medical Journal (BMJ)**
- Design characteristics, risk of bias, and reporting of randomised controlled trials supporting approvals of cancer drugs by European Medicines Agency, 2014-16: cross sectional analysis - link
- Stroke and thromboembolism prevention in atrial fibrillation - link
- Appropriateness of initial dose of non-vitamin K antagonist oral anticoagulants in patients with non-valvular atrial fibrillation in the UK - link
- Raising and responding to frontline concerns in healthcare – link
- Review: When should unexpected weight loss warrant further investigation to exclude cancer? - link
- Review: Emerging glucose-lowering therapies: a guide for cardiologists – link

**BMJ Quality and Safety**
- Quality and safety in the literature: November 2019 - link

- Circulation
- Revisiting the Role of Aspirin for the Primary Prevention of Cardiovascular Disease - link

**Clinics in Geriatric Medicine**
- Does This Patient Have Parkinson’s Disease or Essential Tremor? - link
- Diagnosis and Differential Diagnosis of Parkinson Disease - link
- Never Too Old for Cardiac Rehabilitation - link
- Tailoring Assessments and Prescription in Cardiac Rehabilitation for Older Adults: The Relevance of Geriatric Domains - link
- Cardiac Rehabilitation in Older Adults with Heart Failure: Fitting a Square Peg in a Round Hole – link
- Cardiac Rehabilitation to Optimize Medication Regimens in Heart Failure – link
- Prehabilitation: The Right Medicine for Older Frail Adults Anticipating Transcatheter Aortic Valve Replacement, Coronary Artery Bypass Graft, and Other Cardiovascular Care – link

**Cochrane**
- Certolizumab pegol for induction of remission in Crohn’s disease - link
- Chlorhexidine bathing of the critically ill for the prevention of hospital-acquired infection - link
- Band ligation versus beta-blockers for primary prophylaxis of oesophageal variceal bleeding in children with chronic liver disease or portal vein thrombosis - link
- Perioperative beta-blockers for preventing surgery-related mortality and morbidity in adults undergoing cardiac surgery - [link](#)
- Non-steroidal anti-inflammatory drugs for heavy menstrual bleeding - [link](#)
- Antibiotics for treating acute chest syndrome in people with sickle cell disease - [link](#)

**European Heart Journal**
- Oral anticoagulation in patients with non-valvular atrial fibrillation and a CHA2DS2-VASc score of 1 - [link](#)

International Medicine Journal
- Clinical factors leading to a change in management in chronic hepatitis B patients managed in a tertiary setting - [link](#)

**International Journal of Clinical Pharmacy**
- Prevalence of potential drug–drug interactions in outpatients on treatment with parenteral antineoplastic drugs - [link](#)

**JAMA**
- Association of Treatment with Metformin vs Sulfonylurea with Major Adverse Cardiovascular Events among Patients with Diabetes and Reduced Kidney Function - [link](#)
- Effect of Linagliptin vs Glimepiride on Major Adverse Cardiovascular Outcomes in Patients with Type 2 Diabetes: The CAROLINA Randomized Clinical Trial - [link](#)
- Prevention and Management of Venous Thromboembolism - [link](#)

**JAMA Dermatology**
- Association of Serum Ustekinumab Levels with Clinical Response in Psoriasis - [link](#)

**JAMA Internal Medicine**
- Use and Discontinuation of Insulin Treatment among Adults Aged 75 to 79 Years with Type 2 Diabetes - [link](#)

**JAMA Network Open**
- Effect of an Electronic Medication Reconciliation Intervention on Adverse Drug Events: A Cluster Randomized Trial - [link](#)
- Association of Early-Stage Breast Cancer and Subsequent Chemotherapy with Risk of Atrial Fibrillation - [link](#)
- Comparison of Prescribing Patterns Before and After Implementation of a National Policy to Reduce Inappropriate Alprazolam Prescribing in Australia - [link](#)
- Optimizing Postoperative Opioid Prescribing Through Quality-Based Reimbursement - [link](#)

**JAMA Neurology**
- Medical Management vs Mechanical Thrombectomy for Mild Strokes: An International Multicenter Study and Systematic Review and Meta-analysis - [link](#)

**JAMA Ophthalmology**
- Association of Opioids with Incisional Ocular Surgery - [link](#)

**JAMIA**
- The effect of medication cost transparency alerts on prescriber behavior - [link](#)
- Successful deployment of drug-disease interaction clinical decision support across multiple Kaiser Permanente regions - [link](#)
- Learning to detect and understand drug discontinuation events from clinical narratives - [link](#)

**Journal of Clinical Oncology**
- Management of Osteoporosis in Survivors of Adult Cancers with Nonmetastatic Disease: ASCO Clinical Practice Guideline - [link](#)
- Romiplostim Treatment of Chemotherapy-Induced Thrombocytopenia - [link](#)
**Journal of Palliative Medicine**
- Perceptions of Benefits and Harms of Medical Cannabis among Seriously Ill Patients in an Outpatient Palliative Care Practice - link

**Journal of Pharmacy Practice and Research (JPPR)**
- Evaluation of a home medicines review program at an Aboriginal Medical Service in the Northern Territory - link

**Lancet**
- Glycaemic durability of an early combination therapy with vildagliptin and metformin versus sequential metformin monotherapy in newly diagnosed type 2 diabetes (VERIFY): a 5-year, multicentre, randomised, double-blind trial - link
- The clinical effectiveness of sertraline in primary care and the role of depression severity and duration (PANDA): a pragmatic, double-blind, placebo-controlled randomised trial - link
- Trajectories of prescription drug misuse during the transition from late adolescence into adulthood in the USA: a national longitudinal multicohort study - link
- Effect of measles vaccination in infants younger than 9 months on the immune response to subsequent measles vaccine doses: a systematic review and meta-analysis - link
- Multiple-dose versus single-dose ivermectin for Strongyloides stercoralis infection (Strong Treat 1 to 4): a multicentre, open-label, phase 3, randomised controlled superiority trial - link
- Review: Pre-exposure prophylaxis 2.0: new drugs and technologies in the pipeline - link
- Vinorelbine and continuous low-dose cyclophosphamide as maintenance chemotherapy in patients with high-risk rhabdomyosarcoma (RMS 2005): a multicentre, open-label, randomised, phase 3 trial - link
- Effect of infectious disease consultation on mortality and treatment of patients with candida bloodstream infections: a retrospective, cohort study - link

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Impact of Caregiving for Dementia Patients on Healthcare Utilization of Caregivers - link

**Medical Journal of Australia**
- Risks and realities of single vial antivenom recommendations for envenoming by Australian elapid snakes - link

**New England Journal of Medicine**
- Dapagliflozin in Patients with Heart Failure and Reduced Ejection Fraction - link
- Review: Anemia of Inflammation - link
- Review: Treatment of Hypertension in Patients with Asthma - link
- Antithrombotic Therapy for Atrial Fibrillation with Stable Coronary Disease - link
- Polypill for Cardiovascular Disease Prevention in an Underserved Population - link
- Gemcitabine and Cisplatin Induction Chemotherapy in Nasopharyngeal Carcinoma - link

**National Institute for Health Research (NIHR)**
- NIHR Signals
- C-reactive protein testing in general practice safely reduces antibiotic use for COPD flare-ups - link

**NHS Improvement**
- Improving weekend discharges and reducing patient delays - link

**Pediatrics (American Academy of Pediatrics)**
- Pneumonia Prevention Strategies for Children with Neurologic Impairment - link

**Patient Safety**
- How to Interpret Patient Safety Data - link
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REPORTS AND PUBLICATIONS – AUSTRALIA

**Australian Commission on Safety and Quality in Health Care (ACSQHC)
- Fact sheet - Improving antimicrobial prescribing through selective reporting of antimicrobials - link

**Australian Institute for Health and Welfare (AIHW)
- National Core Maternity Indicators 2017: Summary Report
- Palliative care services in Australia - link
- Trends in hospitalised injury due to falls in older people 2007–08 to 2016–17 - link

**NSW Health Intranet
- Clinical guidelines for use of depot buprenorphine (Buvidal® and Sublocade®) in the treatment of opioid dependence - link

**PBS
- PBS Website Update - 1 September 2019

**TGA
- Provisional application approval through the first international collaborative review initiative between TGA, FDA and HC - provisional approval for lenvatinib (Lenvima®) in combination with...
pembrolizumab (Keytruda®) for the treatment of certain patients with advanced endometrial carcinoma - link
- Registration of new or extended uses of registered medicine:
  -- Influenza virus haemagglutinin (FLUQUADR®) - now indicated for adults and children 6 months and older
  -- Ibrutinib (IMBRUVICA®) - for patients with MCL, Waldenstrom’s macroglobulinaemia (WM) or in patients with previously untreated chronic lymphocytic leukaemia/small lymphocytic leukemia
  -- Neostigmine methylsulfate; glycopyrronium bromide (glycopyrrolate) (NOVISTIG®) - for reversal of residual non-depolarising (competitive) neuromuscular block
  -- Lenalidomide (REVLIMID®) - now indicated for treatment of multiple myeloma
  -- Fluorouracil; salicylic acid (ACTIKERALL®) - for the topical treatment of solar (actinic) keratosis
  -- Ribociclib (as succinate) (KISQALI®) for hormone receptor-positive, human epidermal growth factor receptor 2 (HER2)-negative advanced or metastatic breast cancer
  -- Pembrolizumab (KEYTRUDA®) - monotherapy for the first-line treatment of patients with NSCLC expressing PD-L1, with no EGFR or ALK genomic tumour aberrations, and is: stage III or metastatic.
  -- Fluocinolone acetonide (ILUVIEN®) - for diabetic macular oedema in patients previously treated with a course of corticosteroids and did not have clinically significant rise in intraocular pressure
  -- Pegfilgrastim (Ziextenzo®) approved for cancer patients following chemotherapy, to decrease the duration of severe neutropenia and so reduce the incidence of infection, as manifested by febrile neutropenia - link
- Registration of new chemical entities in Australia:
  -- Semaglutide (OZEMPIC®) - for adults with insufficiently controlled type 2 diabetes mellitus as an adjunct to diet and exercise, as monotherapy when metformin is not tolerated/contraindicated or in addition to other medicines for type 2 diabetes.

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Leveraging patient safety research: efforts made fifteen years since To Err Is Human. - link
- Standardized orders for titrating vasopressors: do efforts to improve safety slow delivery of care? - link
- Do user-applied safety labels on medication syringes reduce the incidence of medication errors during rapid medical response intervention for deteriorating patients in wards? A systematic search and review - link
- Untangling infusion confusion: a comparative evaluation of interventions in a simulated intensive care setting - link
- Failure to administer recommended chemotherapy: acceptable variation or cancer care quality blind spot? - link
- How do stakeholders experience the adoption of electronic prescribing systems in hospitals? A systematic review and thematic synthesis of qualitative studies – link

**Canadian Agency for Drugs and Technologies in Health - Rapid Response:**
- Pharmacist-Led Interventions for Tobacco Smoking Cessation: A Review of Clinical Effectiveness and Cost-Effectiveness - link
- Sugammadex for the Reversal of Neuromuscular Blockade in Surgical Patients: A Review of Clinical Effectiveness and Cost-Effectiveness - link
- Lipid Formulations for Patients Requiring Parenteral Nutrition: A Review of Clinical Effectiveness, Cost-Effectiveness, and Guidelines – An Update - link
- Injectable Botulinum Toxin for Pelvic Pain: A Review of Clinical Effectiveness, Cost-Effectiveness, and Guidelines – link
- Acetylsalicylic Acid for Primary Prevention of Cardiovascular Events: Clinical Effectiveness and Guidelines - link
- Thrombolytics for Patients with Acute or Massive Pulmonary Embolisms: Clinical Effectiveness and Guidelines - link
- Duration of Bisphosphonate Treatment for Patients with Osteoporosis: Clinical Evidence and Guidelines - link
**Health Quality & Safety Commission New Zealand**
- New frailty guides to empower nurses and reduce variation for patients - [link](#)

**Institute for Healthcare Improvement**
- Are You Using Data the Right Way? - [link](#)

**Joint Commission**
- The Business Case for Quality: How Accreditation Improves Multi-Site Behavioral Health Systems - [link](#)

**London: Department of Health & Social Care**
- Government Response to the Health and Social Care Select Committee report on Drugs Policy: Medicinal Cannabis - [link](#)

**NHS England**
- Seven new medicines guides published on NHS website: mebendazole, clobetasol, hyoscine hydrobromide, pseudoephedrine, cinnarizine, betahistine and heparanoid. - [link](#)
- New Atrial Fibrillation High Impact Intervention Tool to reduce the risk of strokes - [link](#)

**National Institute for Health and Clinical Excellence (NICE) UK**
- Pneumonia (community-acquired): antimicrobial prescribing – NG138
- Pneumonia (hospital-acquired): antimicrobial prescribing - NG139
- Attention deficit hyperactivity disorder: diagnosis and management – updated guidance NG87
- Tuberculosis – updated guidance – NG33 (updated to reflect MHRA restrictions and precautions for the use of fluoroquinolone antibiotics)
- Head injury: assessment and early management – updated guideline - CG176
- Patient Decision Aid: How do I control my blood pressure? Lifestyle options and choice of medicines
- Shared Learning Database: Benzodiazepine/Hypnotics de-prescribing - [link](#)
- Shared Learning Database: Tackling the overtreatment of type 2 diabetes in frail older people through individualising care in East Sussex: a pharmacist led project - [link](#)
- September 2019 rapid update to medicines optimisation: key therapeutic topics (from March 2019)

**Public Health England**
- Hepatitis C in England and the UK – 2019 report - [link](#)
- Meningococcal disease and ciprofloxacin: PGD template - [link](#)
- Palliative and end of life care - [link](#)
- Public Health England publishes the “Prescribed Medicines Review” which assess scale and distribution of prescribed medicines – an evidence review of available data and published evidence on the problems of dependence and withdrawal associated with some prescribed medicines - [link](#)

**World Health Organisation (WHO)**
- WHO calls for urgent action to reduce patient harm in healthcare - [link](#)
- World Patient Safety Day - [17 September 2019](#)

**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Prevymis™ (letermovir) - Concomitant administration with St. John’s wort added as a contraindication. Information on inducers of drug metabolising enzymes or transporters updated, including addition of information related to rifampicin.
  -- Vargatef™ (nintedanib) - Warning regarding use of VEGF pathway inhibitors in patients with/without hypertension as may promote formation of aneurysms (ANs) and/or artery dissections; this risk should be carefully considered in patients with risk factors such as hypertension/history of AN.
  -- Tecentriq™ (atezolizumab) - Updated to include lung infection, leukopenia, vomiting and back pain (very common) and reduced lymphocyte count and syncope (common) in combination therapy.
-- Seroxat™ (paroxetine) - updated regarding long-lasting sexual dysfunction where the symptoms have continued despite SSRI discontinuation.
-- Inegy™ (ezetimibe with simvastatin) - Updated with warning about increased risk of myopathy and/or rhabdomyolysis when daptomycin used in patients on concomitant HMG-CoA reductase inhibitors.
-- Levetiracetam - Delirium and encephalopathy added as rare adverse effects.

**Food and Drug Administration (FDA) USA**
- FDA warns about rare occurrence of serious liver injury with use of hepatitis C medicines Zepatier™, and Vosevi™ in some patients with advanced liver disease - link
- FDA warns about rare but severe lung inflammation with Ibrance™, Kisqali™, and Verzenio™ for breast cancer - link
-- Mepolizumab (Nucala®) - expanded indication for asthma to include patients aged 6 years and older

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- GLP-1 receptor agonists: reports of diabetic ketoacidosis when concomitant insulin was rapidly reduced or discontinued – link
- Oral retinoid medicines: revised and simplified pregnancy prevention educational materials for healthcare professionals and women - link
- Strategy for pharmacopoeial public quality standards for biological medicines - link

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Possible risk of lichen planus or lichenoid drug eruption with zoster (shingles) vaccine or influenza vaccine - link

**TGA**
- N-nitroso compounds in 'sartan' blood pressure medicines - link
- Safety alert: Ranitidine - Potential contamination of ranitidine with the N-nitroso compound NDMA
- Safety advisory: Arthrem™ capsules (Artemisia annua supplement for maintaining and supporting joint health and mobility) - potential harm to the liver

**PAPERS OF INTEREST**

**Annals of Internal Medicine**
- Journal articles
  -- Blood Culture Results Before and After Antimicrobial Administration in Patients with Severe Manifestations of Sepsis: A Diagnostic Study - link
  -- Personalized Prediction of Cardiovascular Benefits and Bleeding Harms from Aspirin for Primary Prevention: A Benefit–Harm Analysis - link
  -- Rethinking Opioid Dose Tapering, Prescription Opioid Dependence, and Indications for Buprenorphine – link
  -- Sodium–Glucose Cotransporter-2 Inhibitors: Lack of a Complete History Delays Diagnosis - link
  -- In patients ≥ 50 years with type 2 diabetes and CV disease or risk factors, dulaglutide reduced CV outcomes - link
  -- In poorly controlled type 2 diabetes, oral semaglutide was noninferior to liraglutide for reducing HbA1c - link
  -- After stroke due to ICH while on antithrombotics, starting vs avoiding antiplatelets did not differ for symptomatic ICH - link
  -- In US veterans, PPIs were linked to increased all-cause and some cause-specific mortality compared with H2-blockers - link
- Annals On Call (podcast series)
  -- Community-Acquired Pneumonia: Diagnosis, Risk Stratification, and Treatment
  -- Summaries for patients
  -- Menopausal Estrogen-Alone Therapy and Health Outcomes in Women With and Without Bilateral Oophorectomy - link

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**British Journal of Clinical Pharmacology**
- The impact of a medication reconciliation programme at geriatric hospital admission: A pre-/post intervention study - [link](#)
- Efficacy of THN102 (a combination of modafinil and flecainide) on vigilance and cognition during 40-hour total sleep deprivation in healthy subjects: Glial connexins as a therapeutic target - [link](#)
- Short report: Methylphenidate and stuttering - [link](#)

**BMC Health Services Research**
- Recognising and responding to deteriorating patients: what difference do national standards make? - [link](#)

**British Medical Journal (BMJ)**
- Unleash the power of patients to make care safer around the world: an essay by Helen Haskell - [link](#)
- Vaccination uptake: access is still biggest barrier, experts warn - [link](#)
- Effects of Helicobacter pylori treatment and vitamin and garlic supplementation on gastric cancer incidence and mortality: follow-up of a randomized intervention trial - [link](#)
- Impact of telemedicine interventions on mortality in patients with acute myocardial infarction: a systematic review and meta-analysis - [link](#)
- Analgesic efficacy and safety of ketamine after total knee or hip arthroplasty: a meta-analysis of randomised placebo-controlled studies - [link](#)
- Use of antimicrobial dressings in England and the association with published clinical guidance: interrupted time series analysis - [link](#)
- Promoting physical activity to patients – [link](#)

**BMJ Quality and Safety**
- Medication-related harm in older adults following hospital discharge: development and validation of a prediction tool - [link](#)
- Realising the potential of health information technology to enhance medication safety - [link](#)
- Impact of a system-wide quality improvement initiative on blood pressure control: a cohort analysis - [link](#)
- Hospital-level evaluation of the effect of a national quality improvement programme: time-series analysis of registry data - [link](#)
- Sustaining effective quality improvement: building capacity for resilience in the practice facilitator workforce - [link](#)
- How do stakeholders experience the adoption of electronic prescribing systems in hospitals? A systematic review and thematic synthesis of qualitative studies – [link](#)

**Cardiovascular Drugs and Therapy**
- The Associations of Diuretics and Laxatives Use with Cardiovascular Mortality. An Individual Patient-Data Meta-analysis of Two Large Cohort Studies - [link](#)

**Circulation**
- Bleeding and New Cancer Diagnosis in Patients with Atherosclerosis - [link](#)
- Dapagliflozin Effects on Biomarkers, Symptoms, and Functional Status in Patients with Heart Failure with Reduced Ejection Fraction: The DEFINE-HF Trial - [link](#)
- Association between Triglyceride Lowering and Reduction of Cardiovascular Risk Across Multiple Lipid-Lowering Therapeutic Classes: A Systematic Review and Meta-Regression Analysis of Randomized Controlled Trials - [link](#)

**Cochrane**
- Antibiotic treatment for spontaneous bacterial peritonitis in people with decompensated liver cirrhosis: a network meta-analysis - [link](#)
- Calcium supplementation commencing before or early in pregnancy, for preventing hypertensive disorders of pregnancy - [link](#)
- Topical cyclosporine A therapy for dry eye syndrome - [link](#)
- Interventions for maintenance of surgically induced remission in Crohn’s disease: a network meta-analysis - link
- Treatment for hepatorenal syndrome in people with decompensated liver cirrhosis: a network meta-analysis - link

**Diabetes Care**
- Continuous Glucose Monitoring in People with Type 1 Diabetes on Multiple-Dose Injection Therapy: The Relationship Between Glycemic Control and Hypoglycemia - link
- Efficacy, Safety and Tolerability of Oral Semaglutide Versus Placebo Added to Insulin ± Metformin in Patients with Type 2 Diabetes: the PIONEER 8 Trial - link
- Oral Semaglutide versus Empagliflozin in Patients with Type 2 Diabetes Uncontrolled on Metformin: The PIONEER 2 Trial - link
- Switching to iGlarLixi Versus Continuing Daily or Weekly GLP-1 RA in Type 2 Diabetes Inadequately Controlled by GLP-1 RA and Oral Anti hyperglycemic Therapy: The LixiLan-G Randomized Clinical Trial - link

**International Journal of Clinical Pharmacy**
- Risk factors and prevention for perioperative anaphylaxis: a nested case-control study - link
- A systematic review of pharmacists’ interventions to support medicines optimisation in patients with visual impairment - link

**JAMA**
- Effect of Sacubitril-Valsartan vs Enalapril on Aortic Stiffness in Patients with Heart Failure and Reduced Ejection Fraction: A Randomized Clinical Trial - link

**JAMA Cardiology**
- Redefining Heart Failure With a Reduced Ejection Fraction - link
- Association of Change in N-Terminal Pro–B-Type Natriuretic Peptide Following Initiation of Sacubitril-Valsartan Treatment with Cardiac Structure and Function in Patients With Heart Failure With Reduced Ejection Fraction - link

**JAMA Dermatology**
- Incidence of Long-term Opioid Use among Opioid-Naive Patients With Hidradenitis Suppurativa in the United States - link

**JAMA Internal Medicine**
- Clinician Experience of Electronic Health Record Configurations Displaying 1 vs 4 Records at a Time - link
- Patient Perceptions of Diabetes Guideline Frameworks for Individualizing Glycemic Targets - link

**JAMA Network Open**
- Association of Liver-Directed Local Therapy with Overall Survival in Adults With Metastatic Intrahepatic Cholangiocarcinoma - link

**JAMA Neurology**
- Association between Low-Dose Rivaroxaban With or Without Aspirin and Ischemic Stroke Subtypes A Secondary Analysis of the COMPASS Trial - link

**JAMA Oncology**
- Association of Prior Antibiotic Treatment with Survival and Response to Immune Checkpoint Inhibitor Therapy in Patients with Cancer - link
- Global Variation in Opioid Use in Prostate Cancer Trials - link

**JAMIA**
- Using convolutional neural networks to identify patient safety incident reports by type and severity - link
- Identifying relations of medications with adverse drug events using recurrent convolutional neural networks and gradient boosting - [link](#)
- Reduction of inappropriate medication in older populations by electronic decision support (the PRIIMA-eDS project): a survey of general practitioners’ experiences - [link](#)
- User stories as lightweight requirements for agile clinical decision support development - [link](#)

**Journal for Healthcare Quality**
- Narcotic Pain Control for Ureterolithiasis Is Associated with Unnecessary Repeat Imaging in the Emergency Department - [link](#)
- A Student-Led, Multifaceted Intervention to Decrease Unnecessary Folate Ordering in the Inpatient Setting - [link](#)

**Journal of Patient Experience**
- The Association between Patient Satisfaction and Patient-Reported Health Outcomes - [link](#)

**Journal of Pharmacy Practice and Research (JPPR)**
- Management of polymyalgia rheumatica in older people - [link](#)

**Lancet**
- Antibiotic or silver versus standard ventriculoperitoneal shunts (BASICS): a multicentre, single-blinded, randomised trial and economic evaluation - [link](#)
- Maternal intramuscular dexamethasone versus betamethasone before preterm birth (ASTEROID): a multicentre, double-blind, randomised controlled trial - [link](#)
- Ruxolitinib in adult patients with secondary haemophagocytic lymphohistiocytosis: an open-label, single-centre, pilot trial - [link](#)
- Series: *Type 1 diabetes*
- Series: *Tuberculosis 2019*

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Macrolide Allergic Reactions - [link](#)

**Medical Journal of Australia**
- Perioperative considerations in the management of obstructive sleep apnoea - [link](#)
- 5-Fluorouracil-induced acute coronary syndrome - [link](#)
- Updates and advances in the treatment of Parkinson disease - [link](#)

**New England Journal of Medicine**
- Benralizumab for the Prevention of COPD Exacerbations - [link](#)
- A Randomized Trial of Prenatal n–3 Fatty Acid Supplementation and Preterm Delivery - [link](#)
- Review article: Anemia of Inflammation - [link](#)
- Clinical decisions: Anticoagulation for Subsegmental Pulmonary Embolism - [link](#)

**Pediatrics (American Academy of Pediatrics)**
- Rotavirus Epidemiology and Monovalent Rotavirus Vaccine Effectiveness in Australia: 2010–2017 - [link](#)
- Improving Emergency Department Management of Diabetic Ketoacidosis in Children - [link](#)
- Successful Medical Management of Life-threatening Hepatic Hemangioma in Neonates - [link](#)

**Prescrire – French Medical Journal**
- Sartan medicines contaminated by impurities which are probable carcinogens - [link](#)

**Public Library of Science (PLOS)**
- Anti-interleukin-1 treatment in patients with rheumatoid arthritis and type 2 diabetes (TRACK): A multicentre, open-label, randomised controlled trial - [link](#)
- Vitamin D status and risk of incident tuberculosis disease: A nested case-control study, systematic review, and individual-participant data meta-analysis - link
- Correlation between hospital finances and quality and safety of patient care - link

**Therapeutics and Clinical Risk Management**
- Photosensitivity reactions in the elderly population: questionnaire-based survey and literature review - link

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**ACI**
- Quick steps through opioid management (online tool) - link
- Building collaborative cultures of care within NSW mental health services - link

**Australian Commission on Safety and Quality in Health Care (ACSQHC)**
- New Australian Charter of Healthcare Rights empowers patients as partners - link

**Australian Institute for Health and Welfare (AIHW)**
- Australia’s welfare 2019: data insights - link

Australian Sepsis Network
- World Sepsis Day 2019 – September 13th

**NHMRC**
- Modules on the Guidelines for Guidelines website updated after public consultation:
  -- Guideline development group
  -- Forming the questions
  -- Assessing risk of bias
  -- Identifying the evidence
  -- Implementation
  -- Dissemination and communication (formerly named Dissemination)
  -- Project planning (formerly named Organisation and Budgeting)
  -- Synthesising the evidence
  -- Assessing the certainty of evidence

**TGA**
- Refixia® (nonacog beta pegol) approved for treatment and prophylaxis of bleeding in patients 12 years and above with haemophilia B (congenital factor IX deficiency)
- Improved Consumer Medicine Information template – link
- Database of section 19A approvals to import and supply medicines to address medicine shortages - link

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Characteristics of Inpatient Hospital Stays Involving Sickle Cell Disease - link
- Antipsychotics for the Prevention and Treatment of Delirium - link
- Do user-applied safety labels on medication syringes reduce the incidence of medication errors during rapid medical response intervention for deteriorating patients in wards? A systematic search and review - link
- Implementation and spread of a simple and effective way to improve the accuracy of medicines reconciliation on discharge: a hospital-based quality improvement project and success story - link
**Canadian Agency for Drugs and Technologies in Health**
- Rapid response report: Medical Cannabis for the Treatment of Chronic Pain: A Review of Clinical Effectiveness and Guidelines - [link](#)
- Comparative Effectiveness of Analgesics to Reduce Acute Pain in the Prehospital Setting - [link](#)

**FDA**
- New Drug approvals
  -- nintedanib (Ofev®) for sclerosis associated interstitial lung disease
  -- metformin (Riomet ER®) new oral extended release suspension for type 2 diabetes

**GOV.UK**
- Collection: Palliative and end of life care - [link](#)

**National Institute for Health and Clinical Excellence (NICE) UK**
- Twin and triplet pregnancy – NG137
- Suicide prevention - Quality standard - [QS189](#)

**Public Health England**
- Public Health England infectious diseases strategy - [link](#)

**Royal Pharmaceutical Society**
- RPS, RCGP and BMA highlight expanding role of pharmacists in Primary Care Networks - [link](#)

**Specialist Pharmacy Services**
- How do you switch between monoamine oxidase inhibitors and SSRI, tricyclic or related antidepressants? - [link](#)
- Medicines Use and Safety Updates – [September 2019](#)

**The Health Foundation (UK)**
- Implementing health in all policies - Lessons from around the world - [link](#)

**World Health Organisation (WHO)**
- Vaccine Misinformation: Statement by WHO Director-General on Facebook and Instagram - [link](#)

**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Cometriq™ (cabozantinib): now includes pain in the extremities as very common (≥1/10) adverse event.
  -- Prostin VR™ (alprostadil): now includes hypokalaemia as a common adverse effect
  -- Stalevo™ (levodopa, carbidopa and entacapone): now advises that Dopamine Dysregulation Syndrome (DDS) is an addictive disorder resulting in excessive use of their levodopa-containing medicine in patients treated with levodopa-containing medicines (rare adverse effect). Before initiation of treatment, patients and caregivers should be warned of developing DDS
  -- Aimovig™ (erenumab): now includes hypersensitivity reactions including rash, swelling/oedema and urticaria as common adverse effects.
  -- Ofev™ (nintendanib): now details that VEGF pathway inhibitors may promote formation of aneurysms and artery dissections, and that the risk should carefully be considered before initiating treatment. Collitis also added as a potential adverse effect of treatment (uncommon).
  -- Renagel™ and Renvela™ (sevelamer hydrochloride): now details cases of serious gastrointestinal inflammatory disorders associated with the presence of sevelamer crystals. Sevelamer hydrochloride treatment should be re-evaluated in patients who develop severe gastrointestinal symptoms.
  -- Zerbaxa™ 1 g/0.5 g (tazobactam and ceftolozane): now includes details on the new licensed indications of hospital acquired pneumonia and ventilator associated pneumonia.
**Food and Drug Administration (FDA) USA**  
- E-Cigarette Products: Safety Communication - Due to the Incidents of Severe Respiratory Disease Associated with Use of an E-Cigarette Product - link

**Institute for Safe Medication Practices (ISMP) USA**  
Medication Safety Alert! September 12, 2019  
- Nearly identical methotrexate and folic acid tablet appearance
- Methotrexate instead of metOLazone
- Ring that remains after removing tamper-evident cap may fall off
- Watch for overfill with Xolair single-use vials
- BD 60 mL syringes will soon measure only 50 mL

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**  
--Prescriber Update – September 2019  
- Spotlight on vildagliptin  
- Paracetamol – Dangerous when not used correctly  
- Stop and think before using botulinum toxin  
- Fentanyl Sandoz: Patch placement  
- and more...

**PAPERS OF INTEREST**

**American Journal of Health-System Pharmacy (AHJP)**  
- Antithrombotic therapy in patients with atrial fibrillation undergoing coronary artery stenting - link
- Optimizing opioid prescribing and pain treatment for surgery: Review and conceptual framework - link
- Use and costs of inhaled nitric oxide and inhaled epoprostenol in adult critically ill patients: A quality improvement project - link
- Evaluation of studies on extended versus standard infusion of beta-lactam antibiotics - link

**Annals of Internal Medicine**  
- Menopausal Estrogen-Alone Therapy and Health Outcomes in Women With and Without Bilateral Oophorectomy: A Randomized Trial - link

**British Journal of Clinical Pharmacology**  
- Evaluation of online clinical pharmacology curriculum resources for medical students - link
- The association between medication non-adherence and adverse health outcomes in ageing populations: A systematic review and meta-analysis - link
- Biosimilars of low molecular weight heparins: Relevant background information for your drug formulary - link
- Why is the therapeutic effect of acute antimigraine drugs delayed? A review of controlled trials and hypotheses about the delay of effect - link
- High-risk medicines associated with clinically relevant medication-related problems in United Kingdom hospitals: a prospective observational study – link

**British Medical Journal (BMJ)**  
- Clinical review: Respiratory syncytial virus infection in adults - link
- Risks of ischaemic heart disease and stroke in meat eaters, fish eaters, and vegetarians over 18 years of follow-up: results from the prospective EPIC-Oxford study - link
- Are perioperative interventions effective in preventing chronic pain after primary total knee replacement? A systematic review - link
- Diagnosis and management of hypertension in pregnancy: summary of updated NICE guidance
  (This article summarises the updated recommendations from NICE: Initiation of antihypertensive medication is now recommended for women with a blood pressure of 140/90 mmHg. Target blood pressure for those taking antihypertensive medication is now 135/85 mmHg).
- Are confidence intervals better termed “uncertainty intervals”? – link

**Clinics in Geriatric Medicine**
- Management of Motor Features in Advanced Parkinson Disease - link
- Depression and Anxiety in Parkinson Disease - link
- Gastrointestinal Care of the Parkinson Patient - link
- Orthostatic Hypotension in Parkinson Disease - link
- Hospital Management of Parkinson Disease Patients - link
- Management of Early Parkinson Disease - link
- Anemia in Older Adults - link

**Cochrane**
- Magnesium for treating sickle cell disease - link
- Oral non-steroidal anti-inflammatory drug therapy for lung disease in cystic fibrosis - link
- Antiviral treatment for Bell's palsy (idiopathic facial paralysis) - link
- Duration of intravenous antibiotic therapy in people with cystic fibrosis - link
- Antiarrhythmics for maintaining sinus rhythm after cardioversion of atrial fibrillation - link
- Homeopathy for treatment of irritable bowel syndrome - link
- Once-daily versus multiple-daily dosing with intravenous aminoglycosides for cystic fibrosis - link

**European Heart Journal**
- Clinical presentation, aetiology and outcome of infective endocarditis. Results of the ESC-EORP EURO-ENDO (European infective endocarditis) registry: a prospective cohort study - link
- 2019 ESC Guidelines for:
  -- The diagnosis and management of chronic coronary syndromes - link
  -- The management of patients with supraventricular tachycardia - link
  -- The management of dyslipidaemias: lipid modification to reduce cardiovascular risk - link

**JAMA**
- Clinical Challenge: Joint Pain and Proteinuria
- Clinical Update: What Is Known About Candida auris
- Medications to Reduce Breast Cancer Risk - link

**JAMA Internal Medicine**
- 2019 Update on Medical Overuse, A Review - link

**JAMA Network Open**
- Varenicline and Nicotine Replacement Use Associated with US Food and Drug Administration Drug Safety Communications - link
- Opioid Prescribing after Surgery in the United States, Canada, and Sweden - link

**JAMA Neurology**
- Association of Antiviral Therapy with Risk of Parkinson Disease in Patients With Chronic Hepatitis C Virus Infection - link

**JAMA Ophthalmology**
- Antimetabolite Therapy for Uveitis, Methotrexate or Mycophenolate? - link

**JAMA Paediatrics**
- Association of a School-Based, Asthma-Focused Telehealth Program With Emergency Department Visits Among Children Enrolled in South Carolina Medicaid - link
- Government Role in Regulating Vaccine Misinformation on Social Media Platforms - link
**Journal of Clinical Oncology**
- Treatment-Free Survival: A Novel Outcome Measure of the Effects of Immune Checkpoint Inhibition—A Pooled Analysis of Patients with Advanced Melanoma - [link](#)

**Journal of Pharmacy Practice and Research (JPPR)**
- Case series of immunosuppressant drug interactions with flucloxacillin in heart transplant recipients - [link](#)

**The Lancet**
- SGLT2 inhibitors for the prevention of kidney failure in patients with type 2 diabetes: a systematic review and meta-analysis - [link](#)
- Use of tumour necrosis factor-α inhibitors and the risk of serious infection in paediatric inflammatory bowel disease in Denmark: a nationwide cohort study - [link](#)
- Endocrine treatment versus chemotherapy in postmenopausal women with hormone receptor-positive, HER2-negative, metastatic breast cancer: a systematic review and network meta-analysis - [link](#)
- Nicotine patches used in combination with e-cigarettes (with and without nicotine) for smoking cessation: a pragmatic, randomised trial - [link](#)
- New evidence on the management of Lewy body dementia - [link](#)
- Seminar series: Acute liver failure
- Seminar series: Pemphigus

**The Lancet Oncology**
- Progress in cancer survival, mortality, and incidence in seven high-income countries 1995–2014 (ICBP SURVMARK-2): a population-based study - [link](#)

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Review: Sulfonamide Allergies

**Medical Journal of Australia**
- Record number of influenza tests in 2019, not a “mutant flu crisis” - [link](#)
- The financial cost of intensive care in Australia: a multicentre registry study - [link](#)
- Regulating voluntary assisted dying in Australia: some insights from the Netherlands - [link](#)
- Paracetamol poisoning cases balloon over past decade - [link](#)
- Machine learning in clinical practice: prospects and pitfalls - [link](#)

**New England Journal of Medicine**
- Pulmonary Illness Related to E-Cigarette Use in Illinois and Wisconsin — Preliminary Report - [link](#)
- Review: Immune Thrombocytopenia - [link](#)

**National Institute for Health Research - NIHR Signals**
- A temporary clot-catching filter inserted after major trauma does not prevent lung clots - [link](#)

**Pediatrics**
- Mycoplasma pneumoniae Carriage with De Novo Macrolide-Resistance and Breakthrough Pneumonia - [link](#)

**Pharmacotherapy**
- Evaluation of Patients with Heart Failure to Determine Eligibility for Treatment with Sacubitril/Valsartan: Insights from a Veterans Administration Healthcare System - [link](#)
- Parenteral Fosfomycin: A New Ally in the Fight against Multidrug-Resistant Bacterial Pathogens - [link](#)

**Prescrire – French Medical Journal**
- Erenumab (Aimovig™) for the prevention of migraine attacks: decrease in the frequency of attacks in some patients, but uncertainty over cardiovascular effects - [link](#)
**Public Library of Science (PLOS)**
- Progression to type 2 diabetes mellitus and associated risk factors after hyperglycemia first detected in pregnancy: A cross-sectional study in Cape Town, South Africa - link
- Development of new TB regimens: Harmonizing trial design, product registration requirements, and public health guidance - link

**Therapeutics and Clinical Risk Management**
- Is it possible to prevent chemotherapy-induced heart failure with cardiovascular drugs - the review of the current clinical evidence - link

**Thrombosis and Haemostasis**
- Rivaroxaban versus Aspirin in Prevention of Venous Thromboembolism: A Meta-Analysis of 9 Randomized Controlled Trials comprising 7,656 Patients - link

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**Australian Institute for Health and Welfare (AIHW)**
- Analysis of cervical cancer and abnormality outcomes in an era of cervical screening and HPV vaccination in Australia - link
- People with disability in Australia: in brief - link
- Incidence of gestational diabetes in Australia - link
- Endometriosis in Australia: prevalence and hospitalisations - link
- Chronic conditions web updates 2018-19
  - Back problems
  - Diabetes
  - Rheumatoid arthritis
  - Cardiovascular disease
  - Allergic rhinitis ('hay fever')
  - Arthritis
  - Bronchiectasis
  - Asthma
  - Chronic obstructive pulmonary disease (COPD)
  - Osteoarthritis
  - Gout
  - Juvenile Arthritis
  - Osteoporosis
  - Chronic kidney disease
  - Asthma, associated comorbidities and risk factors
  - COPD associated comorbidities and risk factors
**TGA**  
- High-moderate risk changes to permissible ingredients - Caffeine - [link](#)  
- Ingredients in therapeutic goods - [link](#)  
- Labelling changes: information for health professionals - [link](#)

### REPORTS AND PUBLICATIONS – INTERNATIONAL

**Age UK**  
- More harm than good: why more isn't always better with older people's medicines - [link](#)

**Health Canada**  
- Health Product InfoWatch, [August 2019](#)

**NHS Improvement**  
- Provisional publication of Never Events reported as occurring between 1 April and 31 July 2019

**National Institute for Health and Clinical Excellence (NICE) UK**  
- Type 2 diabetes in adults: management- updated guidance ([NG28](#))  
- Benralizumab for treating severe eosinophilic asthma – guidance ([TA565](#))  
- Sodium zirconium cyclosilicate for treating hyperkalaemia – guidance ([TA599](#))

**Specialist Pharmacy Services**  
- Medicines Use and Safety Update September 2019 - [link](#)  
- Pharmacy & Medicines Optimisation [Newsletter](#)

**Therapeutics Initiative Canada**  
- #122 Twenty-five pearls from 25 years (part 2)

**World Health Organisation (WHO)**  
- WHO revision of pain management guidelines - [link](#)

### MEDICATION SAFETY

**electronic Medicines Compendium (eMC) (UK)**  
- Revised SPCs  
  -- Strensiq™ ([asfotase alfa](#)) injection - Updated to advise that lipoatrophy and lipohypertrophy, have been reported at injection sites after several months in patients treated with asfotase alfa in clinical trials. Patients are advised to follow proper injection technique and to rotate injection sites.  
  -- Symbicort® Turbohaler® ([budesonide/formoterol fumarate dihydrate](#)) inhalation - SPC advises, if taking Symbicort® as reliever for the preventative use for allergen-or exercise-induced bronchoconstriction, an alternative reliever should be considered in case of frequent need of bronchodilation without corresponding need for an increased dose of corticosteroids.  
  -- RoActemra™ ([tocilizumab](#)) injection - revised to include detailed advice about hepatotoxicity, and highlight that patients should be advised to immediately seek medical help if they experience signs and symptoms of hepatic injury.  
  -- Sofosbuvir containing products (Epclusa®, Vosevi®, Harvoni®) tablets  

Following results from a pharmacokinetic study, the detail of the interaction with atorvastatin has been updated. There are small increases in atorvastatin plasma levels with concomitant use, but dose alterations are not required. Also updated to remove reference to interaction/contra-indication with concomitant use of rifabutin.
-- Effentora™ (Fentanyl) Buccal tablets - Delirium has been added as a potential side effect (frequency unknown).

**Food and Drug Administration (FDA) USA**
  -- ledipasvir/sofosbuvir (Harvoni®) - for HCV infection, expanded to include children > 3 years old
  -- sofosbuvir (Sovaldi®) - for HCV infection, expanded to include children > 3 years old

**Institute for Safe Medication Practices (ISMP) USA**
Medication Safety Alert! August 29, 2019
-- IV Push Gap Analysis Tool (GAT) Helps Uncover National Priorities for Safe Injection Practices
-- Reduce the risk of phenol-related burns
-- Dangerous abbreviation: IT
-- LevETIRAcetam premix strengths hard to tell apart

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Hormone replacement therapy (HRT): further information on the known increased risk of breast cancer with HRT and its persistence after stopping - [link](#)

**PAPERS OF INTEREST**

**American Diabetes Association - Diabetes care**
- Dipeptidyl Peptidase 4 Inhibitors and Risk of Inflammatory Bowel Disease: Real-World Evidence in U.S. Adults - [link](#)

**American Heart Association (AHA)**
- Circulation
  - Risk Categorization Using New American College of Cardiology/American Heart Association Guidelines for Cholesterol Management and Its Relation to Alirocumab Treatment Following Acute Coronary Syndromes - [link](#)

**American Journal of Health-System Pharmacy (AHJP)**
- Pharmacist brings naloxone training to her community - [link](#)
  - Quality indicators for opioid stewardship - [link](#)

**Annals of Internal Medicine**
- Antipsychotics for Preventing Delirium in Hospitalized Adults: A Systematic Review - [link](#)
  - Antipsychotics for Treating Delirium in Hospitalized Adults: A Systematic Review - [link](#)

**Australasian journal on ageing**
- Hospitalisation for medication misadventures among older adults with and without dementia: A 5-year retrospective study - [link](#)

**British Journal of Clinical Pharmacology**
- Liraglutide treatment reduced interleukin-6 in adults with type 1 diabetes but did not improve established autonomic or polyneuropathy - [link](#)
  - Vancomycin is commonly under-dosed in critically ill children and neonates - [link](#)

**British Medical Journal (BMJ)**
- Medical cannabis: patients turn to private clinics because of NHS void - [link](#)
  - Thyroid replacement therapy, thyroid stimulating hormone concentrations, and long term health outcomes in patients with hypothyroidism: longitudinal study - [link](#)
  - Use of sodium glucose cotransporter 2 inhibitors and risk of major cardiovascular events and heart failure: Scandinavian register based cohort study - [link](#)
Breast cancer risk associated with HRT increases with longer use, finds study

HbA1c level as a risk factor for retinopathy and nephropathy in children and adults with type 1 diabetes: Swedish population based cohort study

**BMJ Quality and Safety**
- Impact of a system-wide quality improvement initiative on blood pressure control: a cohort analysis
- Community pharmacy medication review, death and re-admission after hospital discharge: a propensity score-matched cohort study

**Cochrane**
- Pharmacological interventions for the treatment of delirium in critically ill adults
- Taxanes for adjuvant treatment of early breast cancer

**European Heart Journal**
- Estimating individual lifetime benefit and bleeding risk of adding rivaroxaban to aspirin for patients with stable cardiovascular disease: results from the COMPASS trial
- 2019 European Society of Cardiology Guidelines for the diagnosis and management of acute pulmonary embolism
- 2019 European Society of Cardiology Guidelines on diabetes, pre-diabetes, and cardiovascular diseases

**European Journal of Hospital Pharmacy**
- On-call pharmacy services: a perspective from the Royal Alexandra Hospital (NHS Greater Glasgow & Clyde) and comparison with NHS Tayside, Scotland

**Gastroenterology**
- Safety of Proton Pump Inhibitors Based on a Large, Multi-Year, Randomized Trial of Patients Receiving Rivaroxaban or Aspirin

**International Journal of Clinical Pharmacy**
- Pharmacist involvement to improve patient outcomes in lower gastrointestinal surgery: a prospective before and after study
- Attitudes towards deprescribing among multi-ethnic community-dwelling older patients and caregivers in Malaysia: a cross-sectional questionnaire study. A Comment
- Using telehealth to enable collaboration of pharmacists and geriatricians in residential medication management reviews
- Anticholinergic and sedative medications exposure in older patients: a cross-sectional study
- Optimising antimicrobial therapy through the use of Bayesian dosing programs
- Pharmacy-supported interventions at transitions of care: an umbrella review

**JAMA**
- Effect of Sacubitril-Valsartan vs Enalapril on Aortic Stiffness in Patients With Heart Failure and Reduced Ejection Fraction. A Randomized Clinical Trial
- Association of Change in N-Terminal Pro–B-Type Natriuretic Peptide Following Initiation of Sacubitril-Valsartan Treatment With Cardiac Structure and Function in Patients With Heart Failure With Reduced Ejection Fraction
- Using Telemedicine to Treat Opioid Use Disorder in Rural Areas

**JAMA Cardiology**
- Cost-effectiveness of Low-density Lipoprotein Cholesterol Level–Guided Statin Treatment in Patients With Borderline Cardiovascular Risk

**JAMA Internal Medicine**
- The Public Health Urgency of a Temporary FDA Moratorium on New Opioid Approvals
- Teachable Moment: Interpreting CD4 Counts in a Patient With HIV
- Association of Sodium-Glucose Cotransporter 2 Inhibitor Treatment With Risk of Hospitalization for Fournier Gangrene Among Men - link

**JAMA Network Open**
- Association of Primary Care Clinic Appointment Time With Opioid Prescribing - link
- Survival Associated With Sirolimus Plus Tacrolimus Maintenance Without Induction Therapy Compared With Standard Immunosuppression After Lung Transplant - link

**JAMA Neurology**
Safety and Efficacy of Dabigatran Etxilate vs Dose-Adjusted Warfarin in Patients With Cerebral Venous Thrombosis. A Randomized Clinical Trial - link
- Progressive Multifocal Leukoencephalopathy Incidence and Risk Stratification Among Natalizumab Users in France - link

**JAMA Oncology**
- Effect of Aflibercept Plus Modified FOLFOX6 Induction Chemotherapy Before Standard Chemoradiotherapy and Surgery in Patients With High-Risk Rectal Adenocarcinoma The GEMCAD 1402 Randomized Clinical Trial - link

**JAMA Ophthalmology**
- Clinical Effectiveness of Intravitreal Therapy With Ranibizumab vs Aflibercept vs Bevacizumab for Macular Edema Secondary to Central Retinal Vein Occlusion. A Randomized Clinical Trial - link

**JAMA Paediatrics**
- Association of Use of the Neonatal Early-Onset Sepsis Calculator With Reduction in Antibiotic Therapy and Safety. A Systematic Review and Meta-analysis - link

**JAMA Surgery**
- Effect of Low-Dose Supplementation of Arginine Vasopressin on Need for Blood Product Transfusions in Patients With Trauma and Hemorrhagic Shock. A Randomized Clinical Trial - link

**JAMIA (Journal of the American Medical Informatics Association)**
- Health informatics and health equity: improving our reach and impact - link
- Unclassified drug overdose deaths in the opioid crisis: emerging patterns of inequity - link
- Identifying vulnerable older adult populations by contextualizing geriatric syndrome information in clinical notes of electronic health records - link

**Journal of the American Geriatrics Society**
- Rate or Rhythm Control in Older Atrial Fibrillation Patients: Risk of Fall-Related Injuries and Syncope - link

**Journal of Clinical Oncology**
- Challenge of Rechallenge: When to Resume Immunotherapy Following an Immune-Related Adverse Event - link
- Influenza Vaccine Effectiveness Among Patients With Cancer: A Population-Based Study Using Health Administrative and Laboratory Testing Data From Ontario, Canada - link
- Use of Endocrine Therapy for Breast Cancer Risk Reduction: ASCO Clinical Practice Guideline Update - link

**Lancet**
- Variations in common diseases, hospital admissions, and deaths in middle-aged adults in 21 countries from five continents (PURE): a prospective cohort study - link
- Ticagrelor in patients with diabetes and stable coronary artery disease with a history of previous percutaneous coronary intervention (THEMIS-PCI): a phase 3, placebo-controlled, randomised trial - link
- Type and timing of menopausal hormone therapy and breast cancer risk: individual participant meta-analysis of the worldwide epidemiological evidence - link
- Underdetection of laboratory-confirmed influenza-associated hospital admissions among infants: a multicentre, prospective study - link
- Efficacy of drugs in chronic idiopathic constipation: a systematic review and network meta-analysis - link
- World Health Organization cardiovascular disease risk charts: revised models to estimate risk in 21 global regions - link
- Fixed-combination, low-dose, triple-pill antihypertensive medication versus usual care in patients with mild-to-moderate hypertension in Sri Lanka: a within-trial and modelled economic evaluation of the TRIUMPH trial - link
- Health-related quality of life and neurocognitive functioning with lomustine–temozolomide versus temozolomide in patients with newly diagnosed, MGMT-methylated glioblastoma (CeTeG/NOA-09): a randomised, multicentre, open-label, phase 3 trial - link
- Niraparib plus bevacizumab versus niraparib alone for platinum-sensitive recurrent ovarian cancer (NSGO-AVANOVA2/ENGOT-ov24): a randomised, phase 2, superiority trial - link
- Romiplostim in patients with refractory aplastic anaemia previously treated with immunosuppressive therapy: a dose-finding and long-term treatment phase 2 trial - link
- Seminar series: Alcohol use disorders
- Review: Observing risks and benefits of diet and supplements

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Polypharmacy Definitions for Multimorbid Older Adults Need Stronger Foundations to Guide Research, Clinical Practice and Public Health - link
- Impact of a Pharmacy-Led Transition of Care Service on Post-Discharge Medication Adherence - link
- Deprescribing: Practical Ways to Support Person-Centred, Evidence-Based Deprescribing - link

**Medical Journal of Australia**
- Paracetamol poisoning-related hospital admissions and deaths in Australia, 2004 -2017 - link

**New England Journal of Medicine**
- A Genotype-Guided Strategy for Oral P2Y12 Inhibitors in Primary PCI - link
- Antithrombotic Therapy for Atrial Fibrillation with Stable Coronary Disease - link
- Ticagrelor in Patients with Stable Coronary Disease and Diabetes - link
- Ticagrelor or Prasugrel in Patients with Acute Coronary Syndromes - link
- Dolutegravir plus Two Different Prodrugs of Tenofovir to Treat HIV - link
- Dolutegravir-Based or Low-Dose Efavirenz-Based Regimen for the Treatment of HIV-1 - link
- Angiotensin–Neprilysin Inhibition in Heart Failure with Preserved Ejection Fraction - link
- Review: Adrenal Crisis

**National Institute for Health Research (NIHR)**
- NIHR Signals
- Four-drug treatment for HIV offers no benefit over standard three-drug treatment - link
- Length of steroid course for childhood nephrotic syndrome makes little difference to later recurrences - link

**NPS MedicineWise**
- RADAR - PBS makes changes to HSD program hospital listings - link

**Pharmacotherapy: The Journal of Human Pharmacology & Drug Therapy**
- Predictors of Warfarin Time in Therapeutic Range after Continuous-Flow Left Ventricular Assist Device - link
**Prescrire – French Medical Journal**
- Carpal tunnel syndrome: sometimes drug-related - [link](#)
- Fluoroquinolones: use should be restricted due to severe adverse effects - [link](#)

**Research in Social and Administrative Pharmacy**
- Pharmacists and patients sharing decisions about medicines: Development and feasibility of a conversation guide - [link](#)

**University of York International register of systematic reviews**
- Efficacy of antibiotic prophylaxis in patients with cancer and hematopoietic stem cell transplantation recipients: A systematic review of randomized trials - [link](#)

**University of Sydney**
- Medicines Conversation Guide - developed for pharmacists to use in the context of a Home Medicines Review - [link](#)

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**TAG Mail 29 August 2019**

**REPORTS AND PUBLICATIONS – AUSTRALIA**

**ACI**
- Clinician Connect, *Volume 13 Issue 4, August 2019*

**Australian Department of Health**
- Australia’s Long Term National Health Plan: to build the world’s best health system - [link](#)

**Australian Institute for Health and Welfare (AIHW)**
- Hospitals at a glance 2017–18 - [link](#)
- Mesothelioma in Australia 2018 - [link](#)
- Endometriosis in Australia: prevalence and hospitalisations - [link](#)

**Heart Foundation**
- Aboriginal and Torres Strait Islander Training Centre: Asking the Question of Origin e-learning module - [link](#)

**NSW Health Intranet**
- Flu continues with wintry conditions - [link](#)

**Penington Institute**
- Australia’s annual overdose report 2019 - [link](#)

**PBS**
- Recommendations made by the PBAC - *July 2019*

**TGA**
- Notice of a final decision to amend (or not amend) the current Poisons Standard, August 2019 - [link](#)
- Help us promote adverse event reporting: promotional resources kit - [link](#)
- AusPARs: Update to the format of Australian Public Assessment Reports (AusPARs) and publication of a new transparency document - [link](#)

**Victorian Institute of Forensic Medicine**
- Residential Aged Care Communiqué *Volume 14 Issue 3 August 2019*
REPORTS AND PUBLICATIONS – INTERNATIONAL

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Patient Safety Primer: Clinical Decision Support Systems - [link](#)

**British Thoracic Society**
- BTS/SIGN British Guideline on the Management of Asthma - [link](#)

**General Medical Council**
- How doctors in senior leadership roles establish and maintain a positive patient-centred culture - [link](#)

**Health Quality & Safety Commission New Zealand**
- Caution with the use of fentanyl patches - [link](#)

**Institute for Healthcare Improvement**
- The Hidden Drug Problem of Older Adults: Medication Overload - [link](#)
- Population Health in Communities: Common Pitfalls (and How to Avoid Them) - [link](#)

**GOV.UK**
- Preventing falls in people with learning disabilities: making reasonable adjustments - [link](#)

**National Institute for Health and Clinical Excellence (NICE) UK**
- Dapagliflozin with insulin for treating type 1 diabetes – TA597
- Hypertension in adults: diagnosis and management – NG136
- Caesarean section- updated guidance - CG132

**Royal Pharmaceutical Society**
- Top tips for managing medicines in the community - [link](#)

**Specialist Pharmacy Services**
- Can miconazole oral gel be used by patients taking a statin? - [link](#)

**Therapeutics Initiative Canada**
- #121 Twenty-Five Pearls from 25 years (part 1) - [link](#)

**World Health Organisation (WHO)**
- On the first-ever World Patient Safety Day on 17 September 2019, WHO will launch a global campaign to create awareness of patient safety and urge people to show their commitment to making healthcare safer - [link](#)

MEDICATION SAFETY

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- Taltz™ (ixekizumab) injection - updated with interaction study which found 12 weeks of ixekizumab with drugs metabolized by CYP3A4 (midazolam), CYP2C9 (warfarin), CYP2C19 (omeprazole), CYP1A2 (caffeine) or CYP2D6 (dextromethorphan) does not have a clinically significant impact on their pharmacokinetics.
  -- Adoport™ (tacrolimus) products - now notes that eye disorders, sometimes progressing to loss of vision, have been reported with tacrolimus. Patients should be advised to report changes in vision and in such cases, prompt evaluation is recommended with referral to an ophthalmologist as appropriate.
  -- Largactil™ (chlorpromazine) preparations - now advises that administration of chlorpromazine with CYP1A2 inhibitors, in particular strong or moderate inhibitors may lead to
an increase of chlorpromazine plasma concentrations. Therefore patients may experience a chlorpromazine dose-dependent adverse drug reaction.

-- Prostap 3 DCS™ 11.25 mg (leuprorelin) Prolonged Release Injection Pre-filled syringe - now advises that the 3 monthly formulation should not be used to preserve ovarian function in premenopausal women undergoing chemotherapy treatment as there are no data demonstrating effectiveness of the 3-monthly product for this use.

-- Cymbalta™ (duloxetine) capsules - revised to highlight that observational data have provided evidence of an increased risk (less than 2-fold) of postpartum haemorrhage following duloxetine exposure within the month prior to birth.

-- Ganfort™ (timolol maleate, bimatoprost) eye drops - revised to include hallucination as an undesirable effect of unknown frequency.

-- Voltarol™ (diclofenac potassium) - all products - revised to warn patients should remain alert for signs & symptoms of serious arteriothrombotic events (e.g. chest pain, shortness of breath, weakness, slurring of speech), which can occur without warnings; and to see a physician immediately in case of such an event.

**EMA
- New measures to avoid potentially fatal dosing errors with methotrexate for inflammatory diseases: now recommended restricting prescribing to physicians with expertise in using methotrexate, that warnings are more prominent on packaging and that treatment should only be provided in blister packs, not bottles to minimise the risk of dosing errors - link

**Food and Drug Administration (FDA) USA
- FDA review finds no increased risk of prostate cancer with Parkinson's disease medicines containing entacapone - link
- FDA warns about rare occurrence of serious liver injury with use of hepatitis C medicines Mavyret™, Zepatier™, and Vosevi™ in some patients with advanced liver disease -- link
- New Drug approvals
  -- Cobicistat (Tybost®) to increase systemic exposure of atazanavir or darunavir in the treatment of HIV-1 infection
  -- Ixekizumab (Taltz®) for active psoriatic arthritis

**Institute for Safe Medication Practices (ISMP) USA
- Medication Safety Alert! August 29, 2019
- IV Push Gap Analysis Tool (GAT) Helps Uncover National Priorities for Safe Injection Practices
  -- Reduce the risk of phenol-related burns
  -- Dangerous abbreviation: IT
  -- LevETIRAcetam premix strengths hard to tell apart

**TGA
- Direct acting oral anticoagulants and risk of recurrent thrombotic events - link
- Prescription opioids: Upcoming changes to reduce harm - link

PAPERS OF INTEREST

**American Heart Association (AHA)
-- Rivaroxaban With or Without Aspirin in Patients With Heart Failure and Chronic Coronary or Peripheral Artery Disease - link
-- Prevention of Stroke in Atrial Fibrillation After Coronary Stenting: Systematic Review and Network Meta-Analysis - link

**Annals of Emergency Medicine
- Oral Paracetamol Versus Combination Oral Analgesics for Acute Musculoskeletal Injuries - link
**American Journal of Health-System Pharmacy (AHJP)**  
- Considerations for neonatal and pediatric pain management - link

**Annals of Internal Medicine**  
- Treatments for the Prevention and Management of Suicide: A Systematic Review - link  
- Coagulopathy After Synthetic Cannabinoid Use: A Case Report - link  
- Risk assessment of using off-label morphone sulfate in a population-based retrospective cohort of opioid-dependent patients - link  
- Pharmacist-led, video-stimulated feedback to reduce prescribing errors in doctors-in-training: A mixed methods evaluation - link

**British Medical Journal (BMJ)**  
- Doctors warned to be vigilant after cases of antibiotic resistant meningitis in people returning from Mecca - link  
- NICE rejects cannabidiol for two types of treatment resistant epilepsy in children - link  
- Management of colorectal cancer - link  
- Severe acute ocular hypertension following pulsed methylprednisolone for juvenile idiopathic arthritis: DTB featured drug-related case report - link  
- Successful thrombolysis for acute ischaemic stroke after reversal of dabigatran etexilate with idarucizumab: DTB featured drug-related case report - link

**British Journal of General practice**  
- Impact of integrating pharmacists into primary care teams on health systems indicators: a systematic review - link

**BMJ Quality and Safety**  
- The value of Facebook in nation-wide hospital quality assessment: a national mixed-methods study in Norway - link  
- Automated detection of wrong-drug prescribing errors - link

**Canadian Medical Association Journal (CMAJ)**  
- The impact of hospital harm on length of stay, costs of care and length of person-centred episodes of care: a retrospective cohort study - link

**Clinics in Geriatric Medicine**  
- Parkinson Disease Epidemiology, Pathology, Genetics and Pathophysiology - link

**Cochrane**  
- Sulthiame add-on therapy for epilepsy - link  
- Immunoglobulin treatment for hospitalised infants and young children with respiratory syncytial virus infection - link  
- Prolonged thromboprophylaxis with low molecular weight heparin for abdominal or pelvic surgery - link  
- Acupuncture for chronic hepatitis B - link

**European Heart Journal**  
- Management of cardiogenic shock complicating myocardial infarction: an update 2019 - link

**European Journal of Hospital Pharmacy**  
- Introduction to Bayesian statistics: a practical framework for clinical pharmacists - link  
- Improving the aseptic transfer procedures in hospital pharmacies. Part B: evaluation of disinfection methods for materials with a non-sterile surface - link  
- Clinical pharmacy services in Germany: a national survey - link

**Internal Medicine Journal**
- Clinical factors leading to a change in management in chronic hepatitis B patients managed in a tertiary setting - link
- Hyponatremia in Heart Failure - link

**JAMA**
- Effect of High-Dose Vitamin D Supplementation on Volumetric Bone Density and Bone Strength
  A Randomized Clinical Trial - link

**JAMA Network Open**
- Association of Optimal Blood Pressure With Critical Cardiorenal Events and Mortality in High-Risk and Low-Risk Patients Treated With Antihypertension Medications - link
- Prevalence of Deep Surgical Site Infection After Repair of Periarticular Knee Fractures
  A Systematic Review and Meta-analysis - link

**JAMA Neurology**
- Association of Concussion Symptoms With Testosterone Levels and Erectile Dysfunction in Former Professional US-Style Football Players - link

**JAMA Oncology**
- Factors Associated With Immune Checkpoint Inhibitor–Related Myocarditis - link
- Association Between Immune-Related Adverse Events During Anti–PD-1 Therapy and Tumor Mutational Burden - link

**JAMA Paediatrics**
- Risk of Wrong-Patient Orders Among Multiple vs Singleton Births in the Neonatal Intensive Care Units of 2 Integrated Health Care Systems - link

**Lancet**
- Budesonide-formoterol reliever therapy versus maintenance budesonide plus terbutaline reliever therapy in adults with mild to moderate asthma (PRACTICAL): a 52-week, open-label, multicentre, superiority, randomised controlled trial - link
- Identifying optimal doses of heart failure medications in men compared with women: a prospective, observational, cohort study - link
- Combination denosumab and high dose teriparatide for postmenopausal osteoporosis (DATA-HD): a randomised, controlled phase 4 trial - link
- Contact precautions in single-bed or multiple-bed rooms for patients with extended-spectrum β-lactamase-producing Enterobacteriaceae in Dutch hospitals: a cluster-randomised, crossover, non-inferiority study - link
- Review: Pharmacological lipid-modification therapies for prevention of ischaemic heart disease: current and future options - link
- Primary prevention of ischaemic heart disease: populations, individuals, and health professionals - link

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Aminoglycoside Allergic Reactions - link
- Antibiotic Hypersensitivity Mechanisms - link

**Medical Journal of Australia**
- Single dose v two-dose antenatal anti-D prophylaxis: a randomised controlled trial - link

**National Institute for Health Research (NIHR)**
- E-cigarettes compared with nicotine replacement therapy within the UK Stop Smoking Services: the TEC RCT - link
- NIHR Signal: Packages of care interventions ‘not effective’ to reduce repeat admissions for COPD - link
**Pharmacotherapy: The Journal of Human Pharmacology & Drug Therapy**
- Incidence of Rebound Hypertension after Discontinuation of Dexmedetomidine - link
- Implementation of a Multimodal Pain Management Order Set Reduces Perioperative Opioid Use after Liver Transplantation - link

**Prescrire – French Medical Journal**
- Psychotic episode: which oral neuroleptic to choose? A choice tailored to each patient, based on the adverse effect profiles of the options - link

**Prescrire UK**
- Diabetic ketoacidosis – a diagnosis not to be missed - link
- Diagnosis and management of familial hypercholesterolaemia - link

**Public Library of Science (PLOS)**
- Chronic physical conditions and risk for perinatal mental illness: A population-based retrospective cohort study - link
- Inappropriate prescribing defined by STOPP and START criteria and its association with adverse drug events among hospitalized older patients: A multicentre, prospective study - link

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**ACI**
- FIB4NOF (Fascia Iliaca Block for Patients with Neck of Femur Fracture) at Nepean Hospital - link

**AHHA**
- Measure what matters most in healthcare—value, affordability and outcomes - link
- The Health Advocate - August 2019 – Data and digital

**Australian Institute for Health and Welfare (AIHW)**
- Hospital care for people with dementia 2016–17 - link
- Dispensing patterns for anti-dementia medications 2016–17 - link

**Global Access Partners**
- Ensuring the Sustainability of the Australian Health System - link

**NSW Health Intranet**
- PD2019_040 Intravascular Access Devices (IVAD) - Infection Prevention & Control

**TGA**
- Database of section 19A approvals to import and supply medicines to address medicine shortages - link
- Notice of a final decision to amend (or not amend) the current Poisons Standard, August 2019 - link

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Ensuring effective care transition communication: implementation of an electronic medical record-based tool for improved cancer treatment handoffs between clinic and infusion nurses - link
- Evaluation of interventions to improve inpatient hospital documentation within electronic health records: a systematic review - link
- Educational targets to reduce medication errors by general surgery residents - link
- Reducing drug prescription errors and adverse drug events by application of a probabilistic, machine-learning based clinical decision support system in an inpatient setting – link

**Joint Commission**
- Medication Preparation - Spiking Intravenous (IV) Bags in Advance of Administration - link
- New resource helps improve communication about patient drug allergy information - link

**NHS England**
- Why not home? Why not today?’ reducing length of stay action cards - link

**National Institute for Health and Clinical Excellence (NICE) UK**
- Venous thromboembolism in over 16s: reducing the risk of hospital-acquired deep vein thrombosis or pulmonary embolism - NG89
- Alcohol interventions in secondary and further education – guidance NG135
- Coexisting severe mental illness and substance misuse- quality standard QS188
- Risankizumab for treating moderate to severe plaque psoriasis - guidance TA596

**Public health England**
- Health matters: preventing STIs - link

**Scottish Intercollegiate Guideline Network (SIGN) UK**
- SIGN updated guideline: Management of chronic pain - link

**Specialist Pharmacy Services**
- What is the evidence for the use of potassium permanganate preparations? - link
- Pharmacy a& Medicines Optimisation Newsletter – July 2019
- Regional Medicines Optimisation Newsletter Issue 6 2019 - link

**eMC (UK)**
- Revised SPCs
  - Efexor XL™ (venlafaxine) products - updated with the addition of a warning regarding sexual dysfunction after drug withdrawal.
  - Sertraline tablets - updated to warn that SSRIs may cause symptoms of sexual dysfunction, with reports of long-lasting sexual dysfunction where the symptoms have continued despite treatment discontinuation. Maculopathy has also been added as adverse effect of unknown frequency.
  - Zestril™ (lisinopril) tablets - updated to contraindicate concomitant use with sacubitril/valsartan, as well as change to hyperkalaemia warning in line with PRAC recommendation, and further information on potassium supplementation and new interaction with ciclosporin and heparin added.
  - Adenuric™ (febuxostat) tablets - sudden cardiac death has been added to SPC as a rare adverse drug reaction and warning for patients with pre-existing CV disease has been reworded.
  - Xigduo™ (dapagliflozin/metformin) tablets - Restriction on use in patients aged 75 years and above has been removed, as has recommendation against use in patients receiving loop diuretics and precaution for patients with known cardiovascular disease.
  - Diclofenac Sodium Gastro-Resistant and Prolonged-release Tablets – revised to add anastomotic leakage and ‘Kounis syndrome’ (allergic acute coronary syndrome) as adverse reactions of unknown frequency.
  - Menitorix™ (hib meningococcal group c combined vaccine) injection - SPC warns individuals with familial complement deficiencies & those receiving treatments that inhibit terminal complement activation are at increased risk for invasive disease caused by Neisseria meningitidis group C, even if they develop antibodies following vaccination.
-- Harvoni™ (sofosbuvir/ledipasvir) tablets - updated to add new information on the impact of direct-acting antiviral (DAA) therapy on drugs metabolized by the liver (e.g. immunosuppressive agents) and on the potential need for dose adjustment of those drugs when they are co-administered with DAA therapy.
-- Vargatef™ (nintedanib esilate) soft capsules - updated to include colitis as a new adverse reaction of unknown frequency.
-- Xatral™ (alfuzosin hydrochloride) tablets including prolonged release tablets - updated to state concomitant use of alfuzosin and potent CYP3A4 inhibitors (e.g. itraconazole, protease inhibitors & clarithromycin) should be avoided and temporary interruption of alfuzosin treatment is recommended if treatment with such medicinal products is initiated.

**Food and Drug Administration (FDA) USA**
- Use of Codeine and Tramadol Products in Breastfeeding Women - Questions and Answers - [link]
- New Drug approvals
  -- Eylea™ (aflibercept) injection prefilled syringe
  The single-dose prefilled syringe will provides clinicians with a new way to administer aflibercept that requires fewer preparation steps compared to vials. Currently in UK, aflibercept is only available as 40 mg/ml solution for injection in a vial.
  -- Pretomanid tablets in combination with bedaquiline and linezolid for treatment of extensively drug resistant, treatment-intolerant or nonresponsive multidrug resistant pulmonary TB

**Institute for Safe Medication Practices (ISMP) USA**
- Medication Safety Alert! August 15, 2019
  -- Insulin and tranexamic acid mix-up
  -- Bridion® (sugammadex) and light sensitivity
  - Quarterwatch™ Reports: New Drugs for Flu, Migraines

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Drug Safety Update (1 August 2019)
  -- Daratumumab (Darzalex®): risk of reactivation of hepatitis B virus
  -- Naltrexone/bupropion: risk of adverse reactions that could affect ability to drive
  -- Carfilzomib (Kyprolis®): reminder of risk of potentially fatal cardiac events

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Cathejell™ Lignocaine 2% Gel and reports of issues when using this medicine - [link]

**PAPERS OF INTEREST**
**American Diabetes Association - Diabetes care**
- Nationwide Trends in Pancreatitis and Pancreatic Cancer Risk Among Patients With Newly Diagnosed Type 2 Diabetes Receiving Dipeptidyl Peptidase-4 Inhibitors - [link]

**American Journal of Health-System Pharmacy (AHJP)**
- Decreased warfarin sensitivity among patients treated with elbasvir and grazoprevir for hepatitis C infection - [link]
- Stakeholder perceptions of smart infusion pumps and drug library updates: A multisite, interdisciplinary study - [link]

**Annals of Internal Medicine**
- Lipophilic Statins and Risk for Hepatocellular Carcinoma and Death in Patients With Chronic Viral Hepatitis: Results From a Nationwide Swedish Population - [link]

**British Journal of Clinical Pharmacology**
- The effect of gastrectomy on regorafenib exposure and progression-free survival in patients with advanced gastrointestinal stromal tumours - [link]
- Efficacy and toxicity of antihypertensive pharmacotherapy relative to effective dose 50 - link
- Impact of reduced P-glycoprotein function on digoxin concentrations in patients with dementia - link

**British Medical Journal (BMJ)**
- Clostridioides difficile: diagnosis and treatments - link
- Omega-3, omega-6, and total dietary polyunsaturated fat for prevention and treatment of type 2 diabetes mellitus: systematic review and meta-analysis of randomised controlled trials - link

**Cochrane**
- Interventions to increase adherence to medications for tobacco dependence - link
- TNF-α blockers for the treatment of Kawasaki disease in children - link
- Cyclical progestogens for heavy menstrual bleeding - link
- Genetic testing for prevention of severe drug-induced skin rash - link
- Human albumin infusion for treating oedema in people with nephrotic syndrome - link

**European Heart Journal**
- Short-term diuretic withdrawal in stable outpatients with mild heart failure and no fluid retention receiving optimal therapy: a double-blind, multicentre, randomized trial - link

**European Journal of Hospital Pharmacy**
- Automated compounding technology and workflow solutions for the preparation of chemotherapy: a systematic review - link
- Magnitude of error: a review of wrong dose medication incidents reported to a UK hospital voluntary incident reporting system - link

**Internal Medicine Journal**
- Diagnosis, management and prevention of Candida auris in hospitals: Position statement of the Australasian Society for Infectious Diseases - link

**International Journal of Environmental Research and Public Health**
- Predictors of In-Hospital Mortality in Aboriginal Children Admitted to a Tertiary Paediatric Hospital – link

**JAMA**
- Catheter Ablation for Atrial Fibrillation in 2019 - link
- Effect of Continuing Olanzapine vs Placebo on Relapse Among Patients With Psychotic Depression in Remission: The STOP-PD II Randomized Clinical Trial - link

**JAMA Internal Medicine**
- Association Between Drug Treatments for Patients With Osteoporosis and Overall Mortality Rates
  A Meta-analysis - link
- Clinical Outcomes After Intensifying Antihypertensive Medication Regimens Among Older Adults at Hospital Discharge - link

**JAMA Neurology**
- Outcomes Associated With Clopidogrel-Aspirin Use in Minor Stroke or Transient Ischemic Attack
  A Pooled Analysis of Clopidogrel in High-Risk Patients With Acute Non-Disabling Cerebrovascular Events (CHANCE) and Platelet-Oriented Inhibition in New TIA and Minor Ischemic Stroke (POINT) Trials - link
- Effect of Recombinant Activated Coagulation Factor VII on Hemorrhage Expansion Among Patients With Spot Sign–Positive Acute Intracerebral Hemorrhage. The SPOTLIGHT and STOP-IT Randomized Clinical Trials - link
**JAMA Paediatrics**
- Association of Childhood-Onset Inflammatory Bowel Disease With Risk of Psychiatric Disorders and Suicide Attempt - [link](#)

**Lancet**
- Effectiveness of pneumococcal conjugate vaccine against hospital admissions for pneumonia in Australian children: a retrospective, population-based, record-linked cohort study - [link](#)
- Cardiovascular, mortality, and kidney outcomes with GLP-1 receptor agonists in patients with type 2 diabetes: a systematic review and meta-analysis of cardiovascular outcome trials - [link](#)
- Venous thromboembolism prophylaxis strategies for people undergoing elective total knee replacement: a systematic review and network meta-analysis - [link](#)
- Global, regional, and national incidence, prevalence, and mortality of HIV, 1980–2017, and forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors Study 2017 - [link](#)
- Nivolumab plus ipilimumab versus sunitinib in first-line treatment for advanced renal cell carcinoma: extended follow-up of efficacy and safety results from a randomised, controlled, phase 3 trial - [link](#)
- Individualised axitinib regimen for patients with metastatic renal cell carcinoma after treatment with checkpoint inhibitors: a multicentre, single-arm, phase 2 study - [link](#)
- Four-year survival with nivolumab in patients with previously treated advanced non-small-cell lung cancer: a pooled analysis - [link](#)
- Trends in use and misuse of opioids in the Netherlands: a retrospective, multi-source database study - [link](#)
- Efficacy of oral amoxicillin–clavulanate or azithromycin for non-severe respiratory exacerbations in children with bronchiectasis (BEST-1): a multicentre, three-arm, double-blind, randomised placebo-controlled trial - [link](#)
- Role of immune checkpoint inhibitor-based therapies for metastatic renal cell carcinoma in the first-line setting: A Bayesian network analysis - [link](#)
- Fremanezumab versus placebo for migraine prevention in patients with documented failure to up to four migraine preventive medication classes (FOCUS): a randomised, double-blind, placebo-controlled, phase 3b trial - [link](#)

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- Stakeholder-Guided Formation of a Statewide Community Pharmacy Practice-Based Research Network - [link](#)

**New England Journal of Medicine**
- Five-Year Outcomes with Dabrafenib plus Trametinib in Metastatic Melanoma - [link](#)
- Liraglutide in Children and Adolescents with Type 2 Diabetes - [link](#)
- Review article: Drug Effects on the Thyroid - [link](#)

**National Institute for Health Research (NIHR)**
- Oral versus intravenous antibiotics for bone and joint infections: the OVIVA non-inferiority RCT - [link](#)
  - NIHR Signal: On balance, antiplatelet drugs may be restarted for stroke survivors who have bled into the brain - [link](#)
  - NIHR Signal: Adding behavioural support to drug treatment helps more people quit smoking - [link](#)

**NPS MedicineWise**
- Thyroid disease: challenges in primary care - [link](#)

**Osteoporosis International**
- A systematic review and meta-analysis of the effect of bisphosphonate drug holidays on bone mineral density and osteoporotic fracture risk - [link](#)
**Pediatrics (American Academy of Pediatrics)
- Parenteral Antibiotic Therapy Duration in Young Infants With Bacteremic Urinary Tract Infections - [link](#)
- Prednisolone Versus Dexamethasone for Croup: a Randomized Controlled Trial - [link](#)

**Pediatric Quality & Safety
- Quality Improvement Project in Congenital Cardiothoracic Surgery Patients: Reducing Surgical Site Infections - [link](#)
- Accelerating Initiation of Adequate Antimicrobial Therapy Using Real-Time Decision Support and Microarray Testing - [link](#)

**Pharmacotherapy: The Journal of Human Pharmacology & Drug Therapy
- Importance of Initial Complete Parenteral Iron Repletion on Hemoglobin Level Normalization and Health Care Resource Utilization: A Retrospective Analysis - [link](#)

**Public Library of Science (PLOS)
- Development and implementation of a quality improvement toolkit, iron deficiency in pregnancy with maternal iron optimization (IRON MOM): A before-and-after study - [link](#)
- Evaluation of a medication error monitoring system to reduce the incidence of medication errors in a clinical setting - [link](#)

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**Australian Commission on Safety and Quality in Health Care (ACSQHC)
- Australian Charter of Healthcare Rights - [link](#)**

**NSW Health Intranet
- The Centre for Aboriginal Health: Newsletter – [Talkabout](#). July 2019**

**TGA
- Upcoming changes to the Permissible Indications Determination – [link](#)
- AusPARs
  - Denosumab (Prolia®) extension of indication: 1. for osteoporosis associated with sustained systemic glucocorticoid therapy in women and men at increased risk of fracture; and 2. For osteoporosis prevention in women and men at increased risk of fracture who are starting or have recently started long-term glucocorticoid therapy
  - Inotuzumab ozogamicin (Besponsa®) for treatment of adults with relapsed or refractory CD22 positive B cell precursor acute lymphoblastic leukaemia (ALL)
  - Tiotropium (as bromide) (Braltus® new generic) for the long term maintenance treatment of bronchospasm and dyspnoea associated with COPD. Braltus is indicated for the prevention of COPD exacerbations.**

**VicTAG
- Chemotherapy Audit Toolkit - [link](#)**
**Agency for Healthcare Research and Quality (AHRQ) USA**
- Assessing the safety of electronic health records: a national longitudinal study of medication-related decision support - link
- Medication histories in critically ill patients completed by pharmacy personnel - link
- How to prevent or reduce prescribing errors: an evidence brief for policy authors - link
- Nurses’ safety motivation: examining predictors of nurses’ willingness to report medication errors - link

**Canadian Agency for Drugs and Technologies in Health**
- N-Acetylcysteine Instillation During Bronchoscopy for Patients Requiring Non-Cystic Fibrosis-Related Mucus Secretion Clearance: A Review of Clinical Effectiveness and Guidelines - link
- Salbutamol Administration via Nebulizer Versus Metered-Dose Inhalers: Clinical Effectiveness and Cost-Effectiveness - link

**eMC**
- New products
  -- Amglidia™ (glibenclamide) oral suspension - Licensed for treatment of neonatal diabetes mellitus, for use in newborns, infants and children. Noted to be effective in patients with mutations in the genes coding for the β-cell ATP-sensitive potassium channel and chromosome 6q24-related diabetes

**FDA**
- New Drug approvals
  -- Bedaquiline (Sirturo®) for multi-drug resistant TB expanded to include adolescents
  -- Pembrolizumab (Keytruda®) for metastatic esophageal cancer
  -- Glucagon intranasal (Baqsimi®) - first nasal glucagon approved for severe hypoglycemia in diabetics

**NHS Digital**
- National Diabetes Audit - Insulin Pump Report 2017-18 – This audit collects information on the number and characteristics of people with diabetes using an insulin pump, the reasons for going on an insulin pump and the outcomes achieved since starting on the pump - link

**NHS England**
- Barriers to accessing cannabis-based products for medicinal use on NHS - link

**Specialist Pharmacy Services**
- Allergy to local anaesthetic agents used in dentistry – what are the signs, symptoms, alternative diagnoses and management options? - link

**The Health Foundation (UK)**
- Shaping Health Futures - This report outlines some of the major trends and changes in the population, society, technology, politics, the environment, and other areas, that will impact the future of health and social care - link

**The Pharmaceutical Journal**
- E-prescribing in hospital: ten ways to make it a success - link

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  -- EpiPen™ Adrenaline (Epinephrine) 0.3 mg Auto-Injector - Shelf life extended from 20 to 24 months.
-- Saxenda™ (liraglutide): in patients with diabetes mellitus, liraglutide must not be used as a substitute for insulin; DKA reported in insulin-dependent patients after rapid discontinuation or dose reduction of insulin.
-- Herceptin™ (trastuzumab) - tumour lysis syndrome added as an adverse effect
-- Exjade™ (deferasirox) - recommends monthly monitoring of serum ferritin, in order to assess the patient’s response to therapy and avoid overchelation.
-- Xolair (omalizumab) - advises that if clinically needed, the use of Xolair may be considered during pregnancy and breastfeeding.
-- Durogesic™ (fentanyl) Transdermal Patch - androgen deficiency added as an adverse effect of unknown frequency.
-- Uptravi™ (selexipag) - provides advice on dose adjustments when co-prescribed with moderate CYP2C8 inhibitors such as clopidogrel, deferasirox and teriflunomide. These agents increase exposure to selexipag and its main active metabolite.
-- Escitalopram products - advises of reports of long-lasting sexual dysfunction where the symptoms have continued despite discontinuation of SSRIs.
-- Iclusig™ (ponatinib) - aneurysms and artery dissections added as potential adverse effects (unknown frequency).
-- Imbruvica™ (ibrutinib) - when administering ibrutinib in combination with anti-CD20 therapies, ibrutinib should be administered prior to rituximab or obinutuzumab when given on the same day. Also, regular monitoring of blood pressure is now recommended.
-- Montelukast - patients and physicians should be alert for potential neuropsychiatric adverse events. Prescribers should carefully evaluate the harm: benefit of continuing treatment with montelukast if such events occur.
-- Vimpat™ (lacosamide) - loading doses should be administered under medical supervision with consideration of the potential for increased incidence of serious cardiac arrhythmia and CNS ADRs.
-- Kisqali™ (ribociclib) - a starting dose of 400 mg is recommended in severe renal impairment.

**Food and Drug Administration (FDA) USA**
- FDA review finds no increased risk of prostate cancer with Parkinson's disease medicines containing entacapone (Comtan™, Stalevo™) - [link](#)
- Consumer update: Some Medicines and Driving Don't Mix - [link](#)

**ISMP**
- Draft Guidelines for Optimizing Safe Implementation and Use of Smart Infusion Pumps - [link](#)

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Monitoring Communication extended to 30 Nov 2019: Tramadol and opioid effects in breastfeeding babies - [link](#)

**TGA**
- Paclitaxel-coated products used in the peripheral arteries. Safety information: regulators review balloon and stent incidents – [link](#)

**PAPERS OF INTEREST**

**American Journal of Cardiology**
- Meta-Analysis of Oral Anticoagulant Monotherapy as an Antithrombotic Strategy in Patients with Stable Coronary Artery Disease and Nonvalvular Atrial Fibrillation - [link](#)

**American Journal of Health-System Pharmacy (AHJP)**
- Effect of concomitant vancomycin and piperacillin–tazobactam on frequency of acute kidney injury in pediatric patients - [link](#)
- Impact of total body weight on rate of acute kidney injury in patients treated with piperacillin–tazobactam and vancomycin - [link](#)
- Pharmacist involvement in trauma resuscitation across the United States: A 10-year follow-up survey - [link]
- Inappropriate opioid prescribing practices: A narrative review - [link]

**American Journal of Medicine**
- A Meta-analysis of Aspirin for the Primary Prevention of Cardiovascular Diseases in the Context of Contemporary Preventive Strategies - [link]

**British Journal of Clinical Pharmacology**
- Pharmacokinetics and safety of tadalafil in a paediatric population with pulmonary arterial hypertension: A multiple ascending-dose study - [link]
- Optimising low-dose methotrexate for rheumatoid arthritis—A review - [link]
- Nonlinear protein binding of phenytoin in clinical practice: Development and validation of a mechanistic prediction model - [link]
- Mini-review: The clinical and therapeutic challenge of treating older patients in clinical practice - [link]

**British Medical Journal (BMJ)**
- Association between vitamin D supplementation and mortality: systematic review and meta-analysis - [link]
- DTB Review: Naloxone nasal spray - [link]
- What were the impacts of the Committee on Safety of Medicines warning and publication of the NICE guidelines on trends in child and adolescent antidepressant prescribing in primary care? A population based study - [link]

**BMJ Quality and Safety**
- Community pharmacy medication review, death and re-admission after hospital discharge: a propensity score-matched cohort study - [link]
- Effectiveness of double checking to reduce medication administration errors: a systematic review - [link]

**Cochrane**
- Acetylsalicylic acid (aspirin) for schizophrenia - [link]
- Medical treatment for early fetal death (less than 24 weeks) - [link]
- Pharmacotherapies that specifically target ammonia for the prevention and treatment of hepatic encephalopathy in adults with cirrhosis - [link]
- Risk of ovarian cancer in women treated with ovarian stimulating drugs for infertility - [link]
- Phenobarbital versus phenytoin monotherapy for epilepsy: an individual participant data review - [link]
- Statins versus placebo for people with chronic obstructive pulmonary disease - [link]
- Pharmacological interventions for prevention and treatment of upper gastrointestinal bleeding in newborn infants - [link]

**Critical Care Medicine**
- Lactated Ringer’s Versus 4% Albumin on Lactated Ringer’s in Early Sepsis Therapy in Cancer Patients: A Pilot Single-Center Randomized Trial - [link]

**Diabetes Care**
- Effects of Liraglutide Compared with Placebo on Events of Acute Gallbladder or Biliary Disease in Patients with Type 2 Diabetes at High Risk for Cardiovascular Events in the LEADER Randomized Trial - [link]

*D* Diabetes, Obesity and Metabolism
- Sodium glucose cotransporter 2 inhibitors and risk of genital mycotic and urinary tract infection: A population-based study of older women and men with diabetes - [link]

**European Journal of Hospital Pharmacy**
Initial dosing of intermittent vancomycin in adults: estimation of dosing interval in relation to dose and renal function - [link]

**Internal Medicine Journal**
- New Advances in the Management of Cytomegalovirus in Allogeneic Haemopoietic Stem Cell Transplantation - [link]
- Management of Febrile Neutropenia in a Private Hospital Oncology Unit - [link]
- The Addition of Low Dose Acetazolamide as an adjunct in patients undergoing High dose Methotrexate is safe and beneficial - [link]

**International Journal of Clinical Pharmacy**
- Evaluating the Connect with Pharmacy web-based intervention to reduce hospital readmission for older people - [link]

**JAMA**
- Review: Medical Use of Cannabis in 2019 - [link]

**JAMA Facial Plastic Surgery**
- Association of Perioperative Opioid-Sparing Multimodal Analgesia with Narcotic Use and Pain Control after Head and Neck Free Flap Reconstruction - [link]

**JAMA Network Open**
- Cardiovascular Adverse Events Associated With BRAF and MEK Inhibitors: A Systematic Review and Meta-analysis - [link]

**JAMA Oncology**
- Assessment of Long-term Distant Recurrence-Free Survival Associated With Tamoxifen Therapy in Postmenopausal Patients With Luminal A or Luminal B Breast Cancer - [link]

**Journal of Medical Internet Research**
- Toward Comprehensive Patient-Centric Care by Integrating Digital Health Technology with Direct Clinical Contact in Australia - [link]

**Journal of Pharmacy Management**
- Summary Care Record (SCR): impact on medicines reconciliation and patient care in a private healthcare hospital providing NHS services; a small-scale proof of concept study - [link]

**Journal of Pharmacy Practice and Research (JPPR)**
- Exploring discrepancies between pharmacists’ perceived and actual roles towards optimising care in patients prescribed direct oral anticoagulants: a survey - [link]
- Complex prescribing in chronic kidney disease: role of the renal pharmacist in kidney supportive care in uncovering hydralazine-related lupus - [link]
- Total intended antibiotic delivery related to drug concentration affecting the flow rate of elastomeric devices used in outpatient parenteral antimicrobial therapy (OPAT) - [link]
- Enoxaparin for thromboprophylaxis in overweight and obese patients: a prescribing audit at a tertiary hospital - [link]
- Navigating off-label and unlicensed medicines use in obstetric and paediatric clinical practice - [link]

**Lancet**
- Guselkumab versus secukinumab for the treatment of moderate-to-severe psoriasis (ECLIPSE): results from a phase 3, randomised controlled trial - [link]
- Bodyweight-adjusted rivaroxaban for children with venous thromboembolism (EINSTEIN-Jr): results from three multicentre, single-arm, phase 2 studies - link
- Intravenous ceftriaxone at home versus intravenous flucloxacillin in hospital for children with cellulitis: a cost-effectiveness analysis (Australian Study) - link
- Riociguat for idiopathic interstitial pneumonia-associated pulmonary hypertension (RISE-IIP): a randomised, placebo-controlled phase 2b study - link
- Long-term macrolide antibiotics for the treatment of bronchiectasis in adults: an individual participant data meta-analysis - link
- The efficacy and safety of inhaled antibiotics for the treatment of bronchiectasis in adults: a systematic review and meta-analysis - link
- Long-term antithrombotic therapy and risk of intracranial haemorrhage from cerebral cavernous malformations: a population-based cohort study, systematic review, and meta-analysis - link

**MIMS.co.uk (Monthly Index of Medical Specialities)
- New resources launched to help GPs manage inflammatory bowel disease - link

**New England Journal of Medicine
- Vitamin D Supplementation and Prevention of Type 2 Diabetes - link

**NPS MedicineWise
- Guanfacine (Intuniv™) for attention deficit hyperactivity disorder - link

**Pharmacotherapy
- Treatment of Helicobacter pylori in Special Patient Populations - link

**PBS
- Biosimilar trastuzumab on the PBS - information for health professionals and patients - link

**TGA
- Best practice for Patient Information Leaflets and Patient Implant Cards - link
- Reformatting Product Information: Frequently asked questions - link

**Therapeutic Guidelines
- Antibiotic prescribing in primary care: Therapeutic Guidelines summary table 2019 - link
**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Medication safety alert fatigue may be reduced via interaction design and clinical role tailoring: a systematic review - [link](#)
- Prevalence, severity, and nature of preventable patient harm across medical care settings: systematic review and meta-analysis - [link](#)

**Canadian Agency for Drugs and Technologies in Health**
- Rapid response report: Buprenorphine-Naloxone Sublingual Film Versus Methadone for the Treatment of Patients with Opioid Use Disorder: A Review of Clinical Effectiveness, Cost-Effectiveness, and Guidelines - [link](#)

**European Medicines Agency (EMA)**
- Supporting medicine developers in generating quality data packages in early access approaches (PRIME and breakthrough therapies): workshop report - [link](#)

**Food and Drug Administration (FDA) USA**
- New drug approvals
  - Coartem® for acute uncomplicated malaria due to *Plasmodium falciparum* - [link](#)
  - Biktarvy® for HIV-1 infection in adults - [link](#)
  - Nimodipine for subarachnoid haemorrhage - [link](#)
  - Pexidartinib for treatment of adult patients with symptomatic tenosynovial giant cell tumor - [link](#)

**NHS England**
- NHS Mental Health Implementation Plan 2019/20 – 2023/24: details of a new framework to help deliver on the commitment to pursue the transformation of mental health care, at the local level - [link](#)
- Clinical pharmacists in general practice - [link](#)

**National Pharmacy Association – UK**
- Patient Safety Update/ Medication Safety Officer (Mso) Report April – June (Q2) 2019 - [link](#)

**National Institute for Health and Clinical Excellence (NICE) UK**
- Preterm labour and birth – updated guideline (NG25)
- Preterm labour and birth - Quality Standard (QS135)
- Cemiplimab for treating metastatic or locally advanced cutaneous squamous cell carcinoma – guidance (TA592)

**Specialist Pharmacy Services**
- New Medicines Newsletter July 2019 - [link](#)

**MEDICATION SAFETY**

**Electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  - Diprosalic™ (*betamethasone dipropionate*) products: Updated with new MHRA mandated statement regarding fire hazard risk of fabric that has been in contact with Diprosalic.
  - Norvir™ (*ritonavir*) products: now contraindicates concomitant use with neratinib as increased plasma levels of neratinib may increase potential for serious and/or life-threatening. Drug interactions section updated with abemaciclib, neratinib, glecaprevir/pibrentasvir, sofosbuvir/velpatasvir/voxilaprevir.
-- Coversyl Plus™ (indapamide / perindopril arginine): Raynaud's phenomenon has been added as an adverse event (frequency unknown).
-- Crestor™ (rosuvastatin): Lupus-like syndrome and muscle rupture added as adverse events (frequency rare for both).
-- Forxiga™ (dapagliflozin): Updated to include data from DECLARE study which compared dapagliflozin 10 mg with placebo in 17,160 patients with type 2 diabetes mellitus with or without established cardiovascular disease to evaluate the effect on cardiovascular and renal events.
-- Kanjinti™ (trastuzumab): Tumour lysis syndrome added as an adverse event (frequency unknown).

**EMA**
- Names of liposomal medicines to be changed to avoid medication errors - [link](#)

**Health Quality & Safety Commission New Zealand**
- Safe use of opioids data collection and reporting workbook (manual data capture) - [link](#)
- Medication safety, prescribing and the medicines management process in mental health - [link](#)

**Institute for Safe Medication Practices (ISMP) USA**
- Medication Safety Alert! August 1, 2019
- Partnering with Families & Patient Advocates: Another Line of Defense in Adverse Event Surveillance
- Sidebar: Six steps to tragedy: The error revisited
- Pet’s medications on owner’s medication list: Barking up the wrong profile!
- FIASP™ confused with NOVOLOG™
- Concern with SAPHRIS™ related to packaging
- Worth repeating… Dangerous Alvogen (pharmaceutical company) product look-alikes

**Joint Commission**
- Direct Oral Anticoagulant Specific Medication Education Saves Lives - [link](#)

**National Pharmacy Association – UK**
- Patient Safety Update/ Medication Safety Officer Report April – June (Q2) 2019 - [link](#)

### PAPERS OF INTEREST

**Arthritis and Rheumatology**
- Safety and Efficacy of Immune Checkpoint Inhibitors in Patients with Cancer and Pre-existing Autoimmune Disease: A Nationwide Multicenter Cohort Study - [link](#)
- Role of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) in the Association between Osteoarthritis and Cardiovascular Diseases: A Longitudinal Study - [link](#)

**American Journal of Health-System Pharmacy (AHJP)**
- Automated dispensing cabinet technology limitations compromise patient safety - [link](#)
- Tactics to improve resilience and well-being among pharmacy students - [link](#)
- Use and costs of inhaled nitric oxide and inhaled epoprostenol in adult critically ill patients: A quality improvement project - [link](#)
- Sustained HIV virologic suppression with crushed combination tablets containing elvitegravir, cobicistat, emtricitabine, and tenofovir alafenamide - [link](#)
- Effect of concomitant vancomycin and piperacillin–tazobactam on frequency of acute kidney injury in pediatric patients - [link](#)
- Impact of total body weight on rate of acute kidney injury in patients treated with piperacillin–tazobactam and vancomycin – [link](#)
Analysis to determine cost-effectiveness of procalcitonin-guided antibiotic use in adult patients with suspected bacterial infection and sepsis - link
- Inappropriate opioid prescribing practices: A narrative review - link
- Pharmacist involvement in trauma resuscitation across the United States: A 10-year follow-up survey - link
- Identification of critical factors for forming collaborative relationships between physicians and pharmacists – link
- Evaluation of the potential impact of pharmacy technician performance of anticoagulation clinic tasks on operational efficiency - link

**Annals of Internal Medicine**
- In the Clinic: Stable Ischemic Heart Disease - link

**British Journal of Clinical Pharmacology**
- Celecoxib-induced bullous fixed drug eruption: An unusual presentation - link
- Prescribers’ views and experiences of using direct acting oral anticoagulants in the management of nonvalvular atrial fibrillation: A survey in remote and rural Scotland - link
- The role of undergraduate teaching, learning and a national prescribing safety assessment in preparation for practical prescribing: UK medical students’ perspective - link
- Cancer chemotherapy drug wastage in a tertiary care hospital in India—A 3-month prospective and 1-year retrospective study - link
- Drug-induced aseptic meningitis: 329 cases from the French pharmacovigilance database analysis - link
- Adverse events reported for Mirena levonorgestrel-releasing intrauterine device in France and impact of media coverage - link
- Sulfonylureas as initial treatment for type 2 diabetes and the risk of adverse cardiovascular events: A population-based cohort study - link
- Comparative assessment of budesonide-MMX and mesalamine in active, mild-to-moderate ulcerative colitis: A systematic review and network meta-analysis - link

**British Medical Journal (BMJ)**
- Essential tremor: diagnosis and management - link
- WHO’s global action plan to promote the health of refugees and migrants - link
- Genetic predisposition to increased serum calcium, bone mineral density, and fracture risk in individuals with normal calcium levels: Mendelian randomisation study - link
- Burnout in healthcare: the case for organisational change - link
- Lost cost savings to the NHS in England due to the delayed entry of multiple generic low-dose transdermal buprenorphine: a case scenario analysis - link
- Renewed safety warnings for yellow fever vaccine - link

**BMJ Quality and Safety**
- Randomised controlled trial of a theory-based intervention to prompt front-line staff to take up the seasonal influenza vaccine - link

**Canadian Medical Association Journal (CMAJ)**
- Association between complications and death within 30 days after noncardiac surgery - link

**Cochrane**
- Azathioprine and 6-mercaptopurine for maintenance of surgically-induced remission in Crohn's disease - link
- eHealth interventions for people with chronic kidney disease - link
- Benzodiazepines for catatonia in people with schizophrenia or other serious mental illnesses - link
- Thyroxine replacement for subfertile women with euthyroid autoimmune thyroid disease or subclinical hypothyroidism - link
- Topiramate versus carbamazepine monotherapy for epilepsy: an individual participant data review - link
- Oral 5-aminosalicylic acid for maintenance of surgically-induced remission in Crohn's disease - link
- Artemether for severe malaria - link
- Melatonin and agomelatine for preventing seasonal affective disorder - link
- Interventions for smoking cessation in people diagnosed with lung cancer – link
- Additional behavioural support as an adjunct to pharmacotherapy for smoking cessation - link
- Early versus deferred standard androgen suppression therapy for advanced hormone-sensitive prostate cancer - link
- Inhaled corticosteroids in children with persistent asthma: effects of different drugs and delivery devices on growth – link
- Antibiotic therapy for chronic infection with Burkholderia cepacia complex in people with cystic fibrosis - link
- Rapid initiation of antiretroviral therapy for people living with HIV - link

* Diabetes Care
- The Impact of Sotagliflozin on Renal Function, Albuminuria, Blood Pressure, and Hematocrit in Adults with Type 1 Diabetes - link

**European Heart Journal
- Thromboembolic events around the time of cardioversion for atrial fibrillation in patients receiving antiplatelet treatment in the ACTIVE trials - link

**Internal Medicine Journal
- Management of patients with gout and achievement of target serum urate levels at a tertiary rheumatology service in Australia - link

**International Journal of Clinical Pharmacy
- Cost-effectiveness of a clinical medication review in vulnerable older patients at hospital discharge, a randomized controlled trial - link
- Use of non-formulary high-cost medicines in an Australian public hospital - link
- Prevalence of potentially inappropriate medications in older adults in Argentina using Beers criteria and the IFAsPIAM List - link
- Assessment of potentially inappropriate medications using the EU (7)-PIM list and the Swedish quality indicators - link
- Potentially inappropriate medications in older kidney transplant recipients: a Brazilian prevalence study - link
- External validation of a clinical pharmacy intervention in geriatric inpatients: a controlled study - link
- Pharmacy-supported interventions at transitions of care: an umbrella review - link
- Creating an Interprofessional guideline to support patients receiving oral anticoagulation therapy: a Delphi exercise - link
- Improving medication safety in oncology care: impact of clinical pharmacy interventions on optimizing patient safety - link

**JAMA Internal Medicine
- Perioperative Management of Patients With Atrial Fibrillation Receiving a Direct Oral Anticoagulant - link
- Industry Payments to Physician Directors of National Cancer Institute–Designated Cancer Centers, 2015-2017 - link

**JAMA Oncology
- HIV Infection, Cancer Treatment Regimens, and Cancer Outcomes Among Elderly Adults in the United States - link
**JAMA Paediatrics**
- Association of Renal Scarring With Number of Febrile Urinary Tract Infections in Children - [link](#)
- Association of High-Dose Vitamin D Supplementation During Pregnancy With the Risk of Enamel Defects in Offspring - A 6-Year Follow-up of a Randomized Clinical Trial - [link](#)

**JAMA Psychiatry**
- Effect of Adjunctive Estradiol on Schizophrenia Among Women of Childbearing Age: A Randomized Clinical Trial - [link](#)

**Journal of Clinical Oncology**
- Venous Thromboembolism Prophylaxis and Treatment in Patients With Cancer: ASCO Clinical Practice Guideline Update – [link](#) (Guideline now recommends thromboprophylaxis with apixaban, rivaroxaban, or low molecular weight heparin to selected high-risk outpatients with cancer, whilst rivaroxaban and edoxaban have been added as options for VTE treatment).

**Journal of Global Antimicrobial Resistance**
- Pharmacists’ role in Antimicrobial Stewardship and relationship with antibiotic consumption in hospitals: an observational multicentre study - [link](#)

**Lancet**
- Oral antihypertensive regimens (nifedipine retard, labetalol, and methyldopa) for management of severe hypertension in pregnancy: an open-label, randomised controlled trial - [link](#)
- Ursodeoxycholic acid versus placebo in women with intrahepatic cholestasis of pregnancy (PITCHES): a randomised controlled trial - [link](#)
- Safety and efficacy of inactivated varicella zoster virus vaccine in immunocompromised patients with malignancies: a two-arm, randomised, double-blind, phase 3 trial - [link](#)
- 20-year trends in cause-specific heart failure outcomes by sex, socioeconomic status, and place of diagnosis: a population-based study - [link](#)
- Lancet publishes series of five papers discussing genomic medicine - [link](#)

**Medical Journal of Australia**
- Antiphospholipid syndrome: a clinical review - [link](#)
- The WHO resolution on sepsis: what action is needed in Australia? - [link](#)
- Position statement on the hormonal management of adult transgender and gender diverse individuals - [link](#)
- The risk of resistance: what are the major antimicrobial resistance threats facing Australia? - [link](#)

**New England Journal of Medicine**
- Ibrutinib–Rituximab or Chemoimmunotherapy for Chronic Lymphocytic Leukemia - [link](#)

**National Institute for Health Research (NIHR)**
- NIHR Signals
- Reminders to assess clotting risk increase the use of preventive measures - [link](#)

**Therapeutics and Clinical Risk Management**
- The importance of early identification of infusion-related reactions to monoclonal antibodies - [link](#)

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**TAG Mail 1 August 2019**

NSW TAG Mail_July to December 2019_Cumulative Issue
**Australian Institute for Health and Welfare (AIHW)**
- Cancer data in Australia - [link](#)
- Insights into vulnerabilities of Aboriginal and Torres Strait Islander people aged 50 and over 2019 - [link](#)

**NSW Health Intranet**
- Opioid Overdose Response & Take Home Naloxone Policy - [PD2019_036](#)

**PBS**
- Application process changes for access to Section 100 - Highly Specialised Drugs (HSD) medicines - [link](#)

**TGA**
- Improved medicines information for consumers - [link](#)
- AusPARs:
  - Pegfilgrastim (Fulphila™) for treatment of cancer patients following chemotherapy, to decrease the duration of severe neutropenia and so reduce the incidence of infections, as manifested by febrile neutropenia

**Victorian Institute of Forensic Medicine**
- Future Leaders Communiqué – VOLUME 04. ISSUE 03, JULY 2019 Edition

**Network of Alcohol and other Drugs Agencies (NADA)**
- Language Matters - [link](#)
  A resource that has been developed to assist healthcare workers with best practice guidelines on how to speak with consumers about their substance use and how to use language to empower rather than stigmatise consumers.

**British Thoracic Society**
- British guideline on the management of asthma- update – [link](#)

**Canadian Agency for Drugs and Technologies in Health**
- Additional Precautions for Vancomycin-Resistant Enterococci in Patients admitted to Hospital: Clinical Effectiveness, Cost-Effectiveness, and Guidelines - [link](#)

**Emergency Care Research Institute (ECRI)**
- Ask ECRI: Resources for Measuring and Identifying Fall Rates and Medication Errors
- Safe Practices for Drug Allergies — Using CDS and Health IT – [link](#)

**Health Canada**
- Health Product InfoWatch, July 2019
  -- Hepatotoxicity associated with the use of oral Aloe vera-containing health products
  -- The risk of aortic aneurysm and dissection has been included in the Warnings and Precautions and Patient Medication Information sections of the Canadian product monographs (CPMs) for all respective fluoroquinolones

**Joint Commission**
- Sentinel Event Alert 61: Managing the risks of direct oral anticoagulants

**GOV.UK**
**Vaccine update: issue 297, July 2019** (Issue includes: measles flyer translated into 20 languages, vaccine wastage – time to check your fridges and other vaccine related information)

**National Institute for Health and Clinical Excellence (NICE) UK**
- Motor neurone disease: assessment and management – NG42
- Generalised anxiety disorder and panic disorder in adults: management – CG113
- Multiple sclerosis in adults: management – CG186
- Chronic obstructive pulmonary disease in over 16s: diagnosis and management – NG115
- Shared learning database: Dudley Falls Prevention Service - [link](#)

**Scottish Intercollegiate Guideline Network (SIGN) UK**
- Latest Issue #158 – British guideline on the management of asthma - [link](#)

**Therapeutics Initiative Canada**
- [Therapeutics Letter 120](#): Routine VTE prophylaxis - Is there a net health benefit?

**World Health Organisation (WHO)**
- WHO report on the global tobacco epidemic 2019 - [link](#)

**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  - Elmiron™ (*pentosan polysulfate sodium*): reports of rare cases of pigmentary maculopathy, especially after long term use. Visual symptoms might include complaints of reading difficulty and slow adjustment to low/reduced light environments. Advises have regular ophthalmic examinations for all patients.
  - Xeloda™ (*capecitabine*): Male patients with female partners & female patients of childbearing potential, should use effective contraception during treatment and for 6 months after last dose of capecitabine. Breast-feeding should be discontinued while receiving treatment & for 2 weeks after final dose.
  - Paroven™ (*oxerutins*): safety and efficacy of oxerutins (Paroven) in children and adolescents aged less than 18 years has not yet been established, and therefore lower age limit has been changed from 12 years to 18 years.
  - Enalapril: updated to include information related to trimethoprim-containing products such as cotrimoxazole and other drugs that may increase serum potassium – caution and frequent monitoring of potassium is advised in case of concomitant use.
  - Xarelto™ (*rivaroxaban*): advises that rivaroxaban should not be used for thromboprophylaxis in patients having recently undergone transcatheter aortic valve replacement as the safety and efficacy have not been studied in this population.
  - Xyzal™ (*levocetirizine*): Oculogyration added as potential adverse effect of treatment (frequency unknown).
- New products
  - Xtandi™ (*enzalutamide*): now available as film-coated tablets, licensed for the same indications as the soft capsules - castration-resistant prostate cancer.

**Drug and Therapeutics Bulletin (DTB) Select**
- MHRA drug safety update: [risk of Fournier's gangrene with SGLT2 inhibitors for diabetes](#)
  Summary and context is provided and states, if gangrene is suspected, treatment with SGLT2 inhibitors should be stopped and treatment for gangrene (including antibiotics and surgical debridement) be started immediately

**EMA**
- Updated restrictions for fingolimod Gilenya™: not to be used in pregnancy - [link](#)

**Food and Drug Administration (FDA) USA**
- Approves Boxed Warning about increased risk of blood clots and death with higher dose of arthritis and ulcerative colitis medicine tofacitinib (Xeljanz, Xeljanz XR) - link

**TGA**
- Endone 5 mg tablets Product defect correction – potential for incorrect medicine in the pack
- Registration of new or extended uses of registered medicine:
  - Pembrolizumab (Keytruda®) additional indications in colorectal and non-colorectal cancer

**PAPERS OF INTEREST**
**American Journal of Emergency Medicine**
- Side effects from opioids used for acute pain after emergency department discharge - link

**American Journal of Health-System Pharmacy (AHJP)**
- Implementation of hyperlinks to medication management policies and guidelines in the electronic health record - link

**Annals of Internal Medicine**
- Sodium–Glucose Cotransporter-2 Inhibitors and the Risk for Severe Urinary Tract Infections: A Population-Based Cohort Study - link
- Candida auris: An Emerging Antimicrobial Resistance Threat - link

**British Journal of Clinical Pharmacology**
- Individualised dosing algorithm and personalised treatment of high-dose rifampicin for tuberculosis - link
- Effects of non-dispensing pharmacists integrated in general practice on medication-related hospitalisations - link
- Medication related litigation in Ireland: A 6-year review – link
- Medication management needs information and communications technology-based approaches, including telehealth and artificial intelligence – link

**British Medical Journal (BMJ)**
- Superbug spreads in European hospitals as resistance to last resort antibiotics grows - link
- Chronic obstructive pulmonary disease: diagnosis and management: summary of updated NICE guidance - link
- Investigating chronic urinary retention - link
- Long term risk of symptomatic recurrent venous thromboembolism after discontinuation of anticoagulant treatment for first unprovoked venous thromboembolism event: systematic review and meta-analysis – link

**Drug and Therapeutics Bulletin (DTB)**
- How to communicate evidence to patients – link
- Complex encephalopathy arising from the combination of opioids and gabapentin - link
- Time to review fibrate prescribing? - link

**BMJ Quality and Safety**
- Failure to administer recommended chemotherapy: acceptable variation or cancer care quality blind spot? - link
- How do stakeholders experience the adoption of electronic prescribing systems in hospitals? A systematic review and thematic synthesis of qualitative studies - link

**Cochrane**
- Vitamin D supplementation for women during pregnancy - link
- Early enteral nutrition within 24 hours of lower gastrointestinal surgery versus later commencement for length of hospital stay and postoperative complications - link
- Pharmacotherapy for hypertension in adults 60 years or older - link

NSW TAG Mail_July to December 2019_Cumulative Issue
Route of antibiotic prophylaxis for prevention of cerebrospinal fluid-shunt infection - link

**Drug Safety**
- Prevalence of Medication Errors among Paediatric Inpatients: Systematic Review and Meta-Analysis - link

**European Heart Journal**
- Cardiovascular effect of discontinuing statins for primary prevention at the age of 75 years: a nationwide population-based cohort study in France - link

**European Journal of Hospital Pharmacy**
- Position paper on Medicines Shortages - link
- Development of a sterile morphine hydrogel for the local treatment of painful skin ulcers - link
- Position paper on An Ageing Society - link

**JAMA Internal Medicine**
- Acute Pain Management in Patients Treated with Buprenorphine - A Teachable Moment - link

**JAMA Network Open**
- Rates of New Persistent Opioid Use after Vaginal or Cesarean Birth among US Women - link
- Antipsychotic Treatment Among Youths With Attention-Deficit/Hyperactivity Disorder - link

**JAMA Neurology**
- Effect of Standard vs Intensive Blood Pressure Control on the Risk of Recurrent Stroke: A Randomized Clinical Trial and Meta-analysis - link

**JAMA Oncology**
- Five-Year Survival and Correlates among Patients With Advanced Melanoma, Renal Cell Carcinoma, or Non–Small Cell Lung Cancer Treated With Nivolumab - link

**JAMIA**
- Identifying vulnerable older adult populations by contextualizing geriatric syndrome information in clinical notes of electronic health records - link
- Adverse drug event and medication extraction in electronic health records via a cascading architecture with different sequence labeling models and word embeddings - link
- Health systems’ use of enterprise health information exchange vs single electronic health record vendor environments and unplanned readmissions - link
- Evaluation of interventions to improve inpatient hospital documentation within electronic health records: a systematic review - link

**Journal of Patient Safety and Risk Management**
- We need to talk: Provider conversations with peers and patients about a medical error - link

**Lancet**
- Eligibility and subsequent burden of cardiovascular disease of four strategies for blood pressure-lowering treatment: a retrospective cohort study - link
- Safety and efficacy of testosterone for women: a systematic review and meta-analysis of randomised controlled trial data - link
- The addition of fluoxetine to cognitive behavioural therapy for youth depression (YoDA-C): a randomised, double-blind, placebo-controlled, multicentre clinical trial - link
- Review: Advanced HIV: diagnosis, treatment, and prevention - link

**Pharmacy Journal (MDPI)**
- Cephalosporins: A Focus on Side Chains and β-Lactam Cross-Reactivity - link
- Person-Centred Care Including Deprescribing for Older People - link
- Reduction in Use of Risperidone for Dementia in Australia Following Changed Guidelines – link
- Applying Contemporary Management Principles to Implementing and Evaluating Value-Added Pharmacist Services - link
- Quinolone Allergy - link

**Medical Journal of Australia**
- The management of diverticulitis: a review of the guidelines - link
- Assessment and management of bone health in women with oestrogen receptor-positive breast cancer receiving endocrine therapy: position statement summary - link

**New England Journal of Medicine**
- Overall Survival with Ribociclib plus Endocrine Therapy in Breast Cancer - link
- Maintenance Olaparib for Germline BRCA-Mutated Metastatic Pancreatic Cancer - link
- Dolutegravir-Based or Low-Dose Efavirenz–Based Regimen for the Treatment of HIV-1 - link
- New data on safety of dolutegravir in pregnancy and metabolic effects published in New England Journal of Medicine - link

**National Institute for Health Research (NIHR)**
- Low-dose oral theophylline combined with inhaled corticosteroids for people with chronic obstructive pulmonary disease and high risk of exacerbations: a RCT – link
- NIHR Signals
- Mucus-thinning drugs slightly reduce COPD symptom flare-ups - link
- Antibiotics reduce complications after assisted vaginal delivery - link

**Pediatrics**
- Using Quality Improvement to Implement a Standardized Approach to Neonatal Herpes Simplex Virus - link

**Pharmacotherapy**
- Efficacy of Tramadol for Pain Management in Patients Receiving Strong Cytochrome P450 2D6 Inhibitors - link
- Medication-Induced Hyperlactatemia and Lactic Acidosis: A Systematic Review of the Literature - link
- Transitioning Hospitalized Patients with Opioid Use Disorder from Methadone to Buprenorphine without a Period of Opioid Abstinence Using a Microdosing Protocol - link

**Therapeutics and Clinical Risk Management**
- The clinical significance of statins-macrolides interaction: comprehensive review of in vivo studies, case reports, and population studies - link

**Prescrire – French Medical Journal**
- Drug-induced retinal disorders - link

**Therapeutics and Clinical Risk Management**
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**Pediatrics**
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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**Australian Institute for Health and Welfare (AIHW)**
- Poor diet - link
- High blood pressure - link

NSW TAG Mail_July to December 2019_Cumulative Issue
- Overweight and obesity: an interactive insight - link
- Insufficient physical activity - link
- Cardiovascular disease in women - link
- National Partnership on Essential Vaccines: performance report 2017–18 - link

**TGA**
- The free, safe and confidential way to get rid of your unwanted medicine - link
- Testing of biological medicines – link
- Registration of new chemical entities in Australia
- Zejula™ (niraparib) (as tosilate monohydrate) capsules: indicated as monotherapy for the maintenance treatment of adult patients with platinum-sensitive relapsed high grade serous epithelial ovarian, fallopian tube, or primary peritoneal cancer who are in response (complete or partial) to platinum-based chemotherapy
- Constella™ (linaclotide): indicated in adults for the treatment of irritable bowel syndrome with constipation (IBS-C) and chronic idiopathic constipation (CIC) when dietary fibre, laxatives and stool softeners have not been sufficient and with adequate constipation minimisation dietary support.
- AusPARs:
  - Morphine sulfate pentahydrate (Kapanol™) for the symptomatic reduction of chronic breathlessness in the palliative care of patients with distressing breathlessness due to severe COPD, cardiac failure, malignancy or other cause

**REPORTS AND PUBLICATIONS – INTERNATIONAL**
- Canadian Agency for Drugs and Technologies in Health
  - Fall Prevention Guidelines for Patients in Wheelchairs or Patients with Delirium: A Review of Evidence-Based Guidelines - link
- Medical Cannabis for the Treatment of Dementia: A Review of Clinical Effectiveness and Guidelines - link
- Screening for Vancomycin-Resistant Enterococci in Patients Admitted to Hospital: Clinical Effectiveness, Cost-Effectiveness, and Guidelines - link

- Food and Drug Administration (FDA) USA
  - New drug approvals
    -- Apremilast for the treatment of oral ulcers associated with Behçet's Disease
      The approval is based on results of the phase III RELIEF study (n=207) which showed apremilast 30mg bd resulted in proportion of patients achieving an oral ulcer complete response (oral ulcer-free) at week 12 of 52.9% vs 22.3% in the placebo arm.

- Healthcare Policy (Longwoods)
  - Policies for Deprescribing: An International Scan of Intended and Unintended Outcomes of Limiting Sedative-Hypnotic Use in Community-Dwelling Older Adults - link

- Health Quality & Safety Commission New Zealand
  - Medication safety, prescribing and the medicines management process in mental health - link

- National Institute for Health and Clinical Excellence (NICE) UK
  - Therapeutic monitoring of TNF-alpha inhibitors in rheumatoid arthritis - guidance (DG36)
  - Neuropathic pain in adults: pharmacological management in non-specialist settings – updated guidance (CG173)
  - Hypertension in pregnancy – updated quality standard (QS35)

- Specialist Pharmacy Services
  - Direct Acting Oral Anticoagulants (DOACs) in Renal Impairment: Practice Guide to Dosing Issues -link
  - Excipients: What are the general considerations for vegan patients? – link
** World Health Organisation (WHO)
- Medication safety in key action areas - link

**United Nations (UN) Human Rights Council
- Right of everyone to the enjoyment of the highest attainable standard of physical and mental health - link

**MEDICATION SAFETY**

**electronic Medicines Compendium (eMC) (UK)
- Revised SPCs
  - Ikervis™ and Verkazia™ (ciclosporin eye drops): ocular/peri-ocular malignancies/premalignant conditions added as contraindications. Now warns co-administration with steroid eye drops may potentiate effects on immune system. Regular examination of eye(s) is now recommended with long term use.
  - Biquelle™ (quetiapine fumarate): warns of increased risk of self-harm and suicide in patients aged 25 to 64 years without history of self-harm and increased risk of death in patients with Parkinson’s aged > 65 years. Stroke added as adverse effect (unknown frequency).
  - Reltebon™ (oxycodone hydrochloride): Updated to caution against concomitant use with serotonin agents, e.g. selective serotonin re-uptake inhibitors, which may cause serotonin toxicity. Oxycodone dosage may need to be reduced.
  - Jaydess™ (levonorgestrel 13.5mg intrauterine delivery system): Various sections updated to include information about sepsis, hypersensitivity reactions and the final report of the 5-year follow-up of the EURAS-IUD study which evaluated perforation risk.
  - Hydrea™ (hydroxycarbamide): now licensed for treatment of chronic myeloid leukaemia. Also updated to include the following adverse reactions: pneumonitis, alveolitis, allergic alveolitis, and cough.
  - Jakavi™ (ruxolitinib phosphate): Updated regarding the interaction between fluconazole and ruxolitinib. A 50% dose reduction in ruxolitinib should be considered when using medicinal products, which are dual inhibitors of CYP2C9 and CYP3A4 enzymes (e.g. fluconazole).

**Health Canada – MedEffect Notice
- Tacrolimus and the Risk of Graft Rejection due to Medication Errors: Inadvertent Switching between Different Oral Formulations - link

**PAPERS OF INTEREST**

**Antimicrobial Resistance & Infection Control
- The prevalence of healthcare associated infections among adult inpatients at nineteen large Australian acute-care public hospitals: a point prevalence survey - link

**American Journal of Health-System Pharmacy (AHJP)
- Using informatics and mobile health to improve medication safety monitoring in kidney transplant recipients - link
- ASHP national survey of pharmacy practice in hospital settings: Workforce—2018 - link
- National trends in prescription drug expenditures and projections for 2019 - link
- Medications for management of opioid use disorder - link

**Annals of Internal Medicine
- Benefits and Harms of Oral Anticoagulant Therapy in Chronic Kidney Disease: A Systematic Review and Meta-analysis - link

**British Journal of Clinical Pharmacology
- Susceptibility to adverse drug reactions - link
- Optimizing the dose in patients treated with imatinib as first line treatment for gastrointestinal stromal tumours: A cost-effectiveness study - [link]
- Management of peripheral vertigo with antihistamines: New options on the horizon - [link]
- The importance of both CYP2C19 and CYP2B6 germline variations in cyclophosphamide pharmacokinetics and clinical outcomes - [link]
- High and variable population prevalence of HLA-B*56:02 in indigenous Australians and relation to phenytoin-associated drug reaction with eosinophilia and systemic symptoms - [link]
- Appropriateness of prescription of oral anticoagulant therapy in acutely hospitalized older people with atrial fibrillation. Secondary analysis of the SIM-AF cluster randomized clinical trial - [link]
- A systematic review of cannabidiol dosing in clinical populations - [link]

**British Medical Journal (BMJ)**
- Cannabinoid hyperemesis syndrome (CHS) - [link]
- A systematic review of cannabidiol dosing in clinical populations - [link]
- Risperidone for rapid tranquillisation - more evidence required - [link]
- Prescribing quality in secondary care patients with different stages of chronic kidney disease: a retrospective study in the Netherlands – [link]
- Gaps in medicines reconciliation between primary and secondary care – [link]
- Drug-associated valvular heart diseases and serotonin-related pathways: a meta-analysis - [link]
- Prevalence, severity, and nature of preventable patient harm across medical care settings: systematic review and meta-analysis – [link]
- Comparative efficacy of once-weekly semaglutide versus SGLT-2 inhibitors in patients inadequately controlled with one to two oral antidiabetic drugs: a systematic literature review and network meta-analysis - [link]

**BMJ Quality and Safety**
- Assessing the safety of electronic health records: a national longitudinal study of medication-related decision support - [link]
- Managing risk in hazardous conditions: improvisation is not enough - [link]
- The discontinuation of contact precautions for methicillin-resistant Staphylococcus aureus and vancomycin-resistant Enterococcus: Impact upon patient adverse events and hospital operations - [link]
- Assessing the safety of electronic health records: a national longitudinal study of medication-related decision support - [link]

**Cochrane**
- Pharmacological agents for adults with acute respiratory distress syndrome - [link]
- Buffered solutions versus 0.9% saline for resuscitation in critically ill adults and children - [link]
- Carbamazepine versus phenytoin monotherapy for epilepsy: an individual participant data review - [link]

**European Journal of Hospital Pharmacy**
- Exploring instruments used to evaluate potentially inappropriate medication use in hospitalised elderly patients in Kosovo - [link]

**Internal Medicine Journal**
- Complementary medicine use and its cost in Australians with type 2 diabetes: The Fremantle Diabetes Study Phase II - [link]
- A Practical Management Approach to Gastroparesis - [link]

**JAMA Network**
- Management of Patients With Acute Ischemic Stroke - [link]
**JAMA Cardiology**
- Effect of Simvastatin-Ezetimibe Compared With Simvastatin Monotherapy After Acute Coronary Syndrome Among Patients 75 Years or Older: A Secondary Analysis of a RCT - link

**JAMA Dermatology**
- US Food and Drug Administration Reports of Pregnancy and Pregnancy-Related Adverse Events Associated With Isotretinoin - link
- Nivolumab-Associated Giant Cell Arteritis With Scalp Necrosis - link

**JAMA Internal Medicine**
- Industry Payments and Physician Prescribing - link
- Adverse Events in Long-term Care Residents Transitioning From Hospital Back to Nursing Home - link

**JAMA Network Open**
- Association of Coronary Artery Calcium With Long-term, Cause-Specific Mortality Among Young Adults - link

**JAMA Neurology**
- Clinical Effectiveness of Direct Oral Anticoagulants vs Warfarin in Older Patients With Atrial Fibrillation and Ischemic Stroke - Findings From the Patient-Centered Research Into Outcomes Stroke Patients Prefer and Effectiveness Research (PROSPER) Study - link

**JAMA Paediatrics**
- Association of Sleep Problems and Melatonin Use in School-aged Children - link

**Journal for Healthcare Quality**
- Impact of a Resident-Centered Interprofessional Quality Improvement Intervention on Acute Care Length of Stay - link
- Multidisciplinary Approach to Improve Sepsis Outcomes - link

**Journal of the Australian Healthcare & Hospitals Association**
- Failure to access prescribed pharmaceuticals by older patients with chronic conditions - link
- Readmissions following hospitalisations for cardiovascular disease: a scoping review of the Australian literature - link

**Journal of Clinical Oncology**
- Medication-Related Osteonecrosis of the Jaw: MASCC/ISOO/ASCO Clinical Practice Guideline - link

**Lancet**
- Second-generation antipsychotic drugs and short-term somatic serious adverse events: a systematic review and meta-analysis - link
- Short-course primaquine for the radical cure of Plasmodium vivax malaria: a multicentre, randomised, placebo-controlled non-inferiority trial - link
- Pembrolizumab plus lenalidomide and dexamethasone for patients with treatment-naive multiple myeloma (KEYNOTE-185): a randomised, open-label, phase 3 trial - link
- Pembrolizumab plus pomalidomide and dexamethasone for patients with relapsed or refractory multiple myeloma (KEYNOTE-183): a randomised, open-label, phase 3 trial - link
- Predicting disease outcomes in juvenile idiopathic arthritis: challenges, evidence, and new directions - link

**Medical Journal of Australia**
- Glucometric benchmarking in an Australian hospital enabled by networked glucose meter technology - link
- Australia’s National Medicines Policy is outdated and in need of review - link
- Polypharmacy among older Australians, 2006–2017: a population-based study - link
- Improving the delivery of primary care for older people - [link](#)

**New England Journal of Medicine**
- Neural-Tube Defects and Antiretroviral Treatment Regimens in Botswana - [link](#)
- Effect of Systolic and Diastolic Blood Pressure on Cardiovascular Outcomes - [link](#)

**National Institute for Health Research (NIHR)**
- Tranexamic acid to improve functional status in adults with spontaneous intracerebral haemorrhage: the TICH-2 RCT - [link](#)

**Pediatrics**
- Early Acid Suppression Therapy Exposure and Fracture in Young Children - [link](#)

**Pharmacotherapy**
- Comparative Effectiveness and Safety of Ticagrelor versus Prasugrel in Patients with Acute Coronary Syndrome: A Retrospective Cohort Analysis - [link](#)

**Society for Academic Primary Care**
- What types of recommendations do pharmacists make, do GPs action them and do they reduce complexity? Findings from the 3D Study – [link](#)

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**Australian Commission on Safety and Quality in Health Care (ACSQHC)**
- The state of patient safety and quality in Australian hospitals 2019 – [link](#)
- Australian Atlas of Healthcare Variation Series - [link](#)
- Cognitive impairment resources - [link](#)

**Australian Institute for Health and Welfare (AIHW)**
- Mental health services in Australia - [link](#)
- Mortality Over Regions and Time (MORT) books – [link](#)
- General Record of Incidence of Mortality (GRIM) data – [link](#)
- Deaths in Australia – [link](#)

**SHPA**
- Position statement: Closing the loop of medication management in hospitals to improve patient safety with barcoding technology on unit dose packaging - [link](#)

**TGA**
- AusPARs
  - **Victoza™** *(Liraglutide)*: indications expanded to include glycaemic control and prevention of cardiovascular events.
  - **Olumiant™** *(Baricitinib)* for moderate to severe active rheumatoid arthritis in adult patients who have responded inadequately, or who are intolerant, to one or more DMARDs.
REPORTS AND PUBLICATIONS – INTERNATIONAL

**Agency for Healthcare Research and Quality (AHRQ) USA**
- Identifying potential medication discrepancies during medication reconciliation in the post-acute long-term care setting - link
- Serious misdiagnosis-related harms in malpractice claims: the "Big Three"—vascular events, infections, and cancers - link
- Clinician perspectives on electronic health records, communication, and patient safety across diverse medical oncology practices - link
- 'I think this medicine actually killed my wife': patient and family perspectives on shared decision-making to optimize medications and safety - link

**Care Quality Commission (UK)**
- Driving improvement through technology - link
- The safer management of controlled drugs – Annual Report 2018 - link

**Royal Pharmaceutical Society**
- Pharmacists must be integrated into diabetes care - link

**Therapeutics Initiative Canada**
- [120] Routine VTE prophylaxis: Is there a net health benefit? - link

MEDICATION SAFETY

**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  - Exviera™ (dasabuvir): now includes apalutamide, an enzyme inducer, in list of interacting drugs.
  - Vemlidy™ (tenofovir alafenamide fumarate) and Biktarvy™ (bictegravir, emtricitabine, and tenofovir alafenamide): angioedema and urticaria added as adverse reactions.
  - Venclyxto™ (venetoclax): includes a revision to the treatment recommendation for patients with hepatic impairment.
  - Tafinlar™ (dabrafenib): Following dabrafenib cessation, effective methods of contraception must be used for a further 2 weeks (previously 1 week) and for 16 weeks (previously 4 months) following last dose of trametinib when given in combination with dabrafenib.
  - Cetrotide™ (cetrorelix): The starting day of cetrorelix is dependent on number and size of growing follicles and/or amount of circulating oestradiol. Start of cetrolix may be delayed in absence of follicular growth but experience is based on starting day 5 or 6 of stimulation.
  - Benlysta™ (belimumab): addition of suicidal behaviour and suicidal ideation as an uncommon ADR.
  - NeisVac-C™ (meningococcal group c polysaccharide conjugate vaccine adsorbed): includes a warning regarding the increased risk of invasive meningococcal disease in patients receiving ecuclizumab, due to the inhibition of terminal complement activation.
  - PecFent™ (fentanyl) nasal spray: coma added as an adverse effect in overdose.
  - Triumeq™ (dolutegravir, abacavir and lamivudine): Amended to remove references to interactions with telaprevir and dofetilide
  - Kaletra™ (lopinavir with ritonavir): Now contraindicates concomitant use with neratinib owing to increased neratinib concentrations (due to CYP3A inhibition by lopinavir and ritonavir) which may increase the potential for serious and/or life-threatening reactions.

**EMA**
- PRAC recommends new measures to avoid dosing errors with methotrexate: includes restricting prescribing to specialists, making package warnings more prominent, and providing educational materials for patients and healthcare professionals. Tablets will only be provided in blister packs with removal of recommendations to split doses.
- EMA to review meningioma risk with cyproterone medicines: following a recent French study that suggests that risk of meningioma, although still very low, may be greater in those taking high doses of cyproterone for a long period.

**Institute for Safe Medication Practices (ISMP) USA**
Medication Safety Alert! July 18, 2019
- New Recommendations to Improve Drug Allergy Capture and Clinical Decision Support
- PROLIA-UDENYCA look-alike update
- Fatal error due to PAXIL-TREXALL sound-alike error
- Cybersecurity issues with subcutaneous insulin pump

**Medicines and Healthcare products Regulatory Agency (MHRA) UK**
- Febuxostat (Adenuric™): increased risk of cardiovascular death and all-cause mortality in clinical trial in patients with a history of major cardiovascular disease
- Tocilizumab (RoActemra™): rare risk of serious liver injury including cases requiring transplantation
- Rivaroxaban (Xarelto™): reminder that 15 mg and 20 mg tablets should be taken with food. MHRA has received a small number of reports suggesting lack of efficacy (thromboembolic events) in patients taking 15 mg or 20 mg rivaroxaban on an empty stomach.

**TGA**
- Tocilizumab and hepatotoxicity - serious drug-induced liver injury, including acute liver failure, hepatitis and jaundice, have been observed with tocilizumab. Frequency of serious hepatotoxicity is rare, but in some cases liver transplant required - [link](#)

**PAPERS OF INTEREST**

**Arthritis and Rheumatology**
- A rare side effect of checkpoint inhibitor therapy: Nivolumab induced axial polyarthritis of the facet and costovertebral joints - [link](#)

**American Journal of Health-System Pharmacy (AHJP)**
- Direct oral anticoagulants in patients with cancer - [link](#)
- ASHP national survey of pharmacy practice in hospital settings: Monitoring and patient education—2018 - [link](#)
- Workplace strategies to reduce pharmacy leadership burnout - [link](#)

**Annals of Internal Medicine**
- Benefits and Harms of Oral Anticoagulant Therapy in Chronic Kidney Disease: A Systematic Review and Meta-analysis - [link](#)
- Self-management of Epilepsy: A Systematic Review - [link](#)

**Australian Journal of Primary Health**
- Continuity of care: why it matters and what we can do - [link](#)
- Hunter and New England Diabetes Alliance: innovative and integrated diabetes care delivery in general practice - [link](#)
- Effectiveness of chronic obstructive pulmonary disease self-management interventions in primary care settings: a systematic review - [link](#)

**British Journal of Clinical Pharmacology**
- Pharmacokinetics, exposure, efficacy and safety of obinutuzumab in rituximab-refractory follicular lymphoma patients in the GADOLIN phase III study - [link](#)
- Optimal route for administering tranexamic acid in primary unilateral total hip arthroplasty: Results from a multicenter cohort study - [link](#)
- The relative lethal toxicity of pharmaceutical and illicit substances: A 16-year study of the Greater Newcastle Hunter Area, Australia – [link](#)
**British Medical Journal (BMJ)**
- Pre-eclampsia: pathophysiology and clinical implications - link
- Sharing of clinical trial data and results reporting practices among large pharmaceutical companies: cross sectional descriptive study and pilot of a tool to improve company practices - link
- Prevalence, severity, and nature of preventable patient harm across medical care settings: systematic review and meta-analysis – link
- Spending on World Health Organization essential medicines in Medicare Part D, 2011-15: retrospective cost analysis – link
- Brief review: Potential of ketamine to be first of new generation of rapid acting antidepressants - link

**Canadian Medical Association Journal (CMAJ)**
- Incidence of infections associated with oral glucocorticoid dose in people diagnosed with polymyalgia rheumatica or giant cell arteritis: a cohort study in England – link

**Circulation**
- Canagliflozin and Cardiovascular and Renal Outcomes in Type 2 Diabetes and Chronic Kidney Disease in Primary and Secondary Cardiovascular Prevention Groups: Results from the Randomized CREDENCE Trial - link

**Cochrane**
- Human albumin infusion for treating oedema in people with nephrotic syndrome - link

**Diabetes Care**
- Sodium–Glucose Cotransporter 2 Inhibitors and the Risk of Fractures among Patients with Type 2 Diabetes - link
- Successful Treatment of Immune Checkpoint Inhibitor–Induced Diabetes Mellitus with Infliximab – case report - link

**European Journal of Hospital Pharmacy**
- National audit of antidote stocking in UK emergency departments - link
- Meropenem, rifampicin and gentamicin combination therapy in a patient with complicated urinary tract infection caused by extreme drug-resistant P. aeruginosa - link
- Multicentre experience of home omalizumab treatment for chronic spontaneous urticaria - link
- Wipe-sampling procedure optimisation for the determination of 23 antineoplastic drugs used in the hospital pharmacy - link

**Internal Medicine Journal**
- Audit-based measures of overuse of medical care in Australian hospital practice - link
- Prospective review to evaluate the impact of medication changes recommended by consultant geriatricians - link

**JAMA**
- Association Between State-Mandated Protocolized Sepsis Care and In-hospital Mortality Among Adults with Sepsis – link

**JAMA Cardiology**
- Systolic Blood Pressure and Risk of Valvular Heart Disease - link

**JAMA Internal Medicine**
- Association between Electronic Cigarette Use and Smoking Reduction in France - link
- Nabiximols for the Treatment of Cannabis Dependence: A Randomized Clinical Trial - link
- Prevalence of Inappropriateness of Parenteral Vitamin B₁₂ Administration in Ontario, Canada - link
- Association of Mirabegron with the Risk of Arrhythmia in Adult Patients 66 Years or Older—A Population-Based Cohort Study - [link]

**JAMA Network Open**
- Cognitive and Motor Outcomes of Children with Prenatal Opioid Exposure: A Systematic Review and Meta-analysis - [link]
- Development and Validation of a Bedside Risk Assessment for Sustained Prescription Opioid Use after Surgery - [link]

**JAMA Neurology**
- Association of Obesity with Multiple Sclerosis Risk and Response to First-line Disease Modifying Drugs in Children - [link]

**JAMA Oncology**
- Pembrolizumab after Completion of Locally Ablative Therapy for Oligometastatic Non–Small Cell Lung Cancer: A Phase 2 Trial - [link]

**Journal of Clinical Nursing**
- Nurse-led post-discharge telephone follow-up calls: A mixed study systematic review – [link]

**Journal of Clinical Oncology**
- Trials and Tribulations of Corrected QT Interval Monitoring in Oncology: Rationale for a Practice-Changing Standardized Approach - [link]

**Lancet**
- A blueprint for protecting physical health in people with mental illness - [link]
- Series: Catatonia
- Comparative efficacy and tolerability of 32 oral antipsychotics for the acute treatment of adults with multi-episode schizophrenia: a systematic review and network meta-analysis - [link]
- Second-generation antipsychotic drugs and short-term somatic serious adverse events: a systematic review and meta-analysis - [link]
- Alternative dosing guidelines to improve outcomes in childhood tuberculosis: a mathematical modelling study - [link]
- Long-term all-cause mortality in people treated for tuberculosis: a systematic review and meta-analysis – [link]

**Molecular Diversity Preservation International (MDPI) – Pharmacy Journal**
- The Basics of Penicillin Allergy: What A Clinician Should Know - [link]
- Balancing Assessment with “In-Service Practical Training”: A Case Report on Collaborative Curriculum Design for Delivery in the Practice Setting - [link]
- ‘It Made a Difference to Me”: A Comparative Case Study of Community Pharmacists’ Care Planning Services in Primary Health Care – [link]

**Medical Journal of Australia**
- Polypharmacy among older Australians, 2006–2017: a population-based study - [link]
- Diagnosing and managing work-related mental health conditions in general practice: new Australian clinical practice guidelines - [link]
- Pulmonary embolism: update on diagnosis and management- [link]
- An updated review of lipid-modifying therapy- [link]
- Potentially suboptimal prescribing of medicines for older Aboriginal Australians in remote areas - [link]
- Medical students as interpreters in health care situations: “… it's a grey area” - [link]

**New England Journal of Medicine**
- Enzalutamide with Standard First-Line Therapy in Metastatic Prostate Cancer - [link]
- C-Reactive Protein Testing to Guide Antibiotic Prescribing for COPD Exacerbations - [link]
- Review: Drug-Induced Liver Injury — Types and Phenotypes - [link]
**National Institute for Health Research (NIHR) - NIHR Signals**
- Levetiracetam is a useful alternative to phenytoin in stopping prolonged epileptic seizures in children

**Pain**
- Pharmacological interventions for chronic pain in children: an overview of systematic reviews - [link](#)

**Prescriber UK**
- Targeting dyslipidaemia to prevent cardiovascular disease - [link](#)
- Hypertension clinic drug choices: tips for pharmacist prescribers - [link](#)

**Stroke**
- Antiplatelet Therapy After Non-cardioembolic Stroke - [link](#)

**Therapeutics and Clinical Risk Management**
- Vitamin D supplementation for the prevention or depletion of side effects of therapy with alemtuzumab in multiple sclerosis - [link](#)
- SGLT2 inhibitors and the changing landscape for treatment of diabetes - [link](#)

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**REPORTS AND PUBLICATIONS – AUSTRALIA**

**AHHA**
- The Health Advocate - [June 2019](#)

**Australian Institute for Health and Welfare (AIHW)**
- Stillbirths and neonatal deaths in Australia 2015 and 2016 - [link](#)
- Coordination of health care: experiences of information sharing between providers for patients aged 45 and over 2016 - [link](#)
- National Key Performance Indicators for Aboriginal and Torres Strait Islander Primary Health Care: Results to June 2018 - [link](#)
- Aboriginal and Torres Strait Islander health organisations: Online Services Report — key results 2017–18 - [link](#)
- Use of emergency departments for lower urgency care: 2015–16 to 2017–18 - [link](#)

**Centre for Health Communication and Participation, La Trobe University, Victoria**
- Guide to Producing and Sourcing Quality Health Information - [link](#)

**NPS MedicineWise**
- Vitamin D supplementation in musculoskeletal health: what’s new? - [link](#)

**TGA**
- Australian regulatory guidelines for biologicals (ARGB) - [link](#)
- Submissions received and summary: Proposal for the regulation of IVD companion diagnostics - [link](#)
- AusPAR - Plitidepsin (Aplidin®) in combination with dexamethasone, for the treatment of patients with relapsed and refractory multiple myeloma who have received at least three prior treatment regimens, including both a proteasome inhibitor and an immunomodulator

REPORTS AND PUBLICATIONS – INTERNATIONAL
**Agency for Healthcare Research and Quality (AHRQ) USA**
- How often do prescribers include indications in drug orders? Analysis of 4 million outpatient prescriptions - link
- Intravenous infusion administration: a comparative study of practices and errors between the United States and England and their implications for patient safety - link
- Patterns of opioid administration among opioid-naive inpatients and associations with post discharge opioid use: a cohort study - link
- Modification of potentially inappropriate prescribing following fall-related hospitalizations in older adults - link

**Canadian Agency for Drugs and Technologies in Health**
- Treatment for Methamphetamine Addiction: A Review of Guidelines - link
- Interventions for the Treatment or Management of Tuberculosis: Clinical Effectiveness and Guidelines - link
- Acetylcysteine for Patients Requiring Secretion Clearance: A Review of Guidelines - link

**European Medicines Agency (EMA)**
- Call for all sponsors to publish clinical trial results in EU database - link

**Institute for Healthcare Improvement**
- Patient Safety Essentials Toolkit - link

**NHS Improvement**
- The NHS Patient Safety Strategy - link

**National Institute for Health and Clinical Excellence (NICE) UK**
- Suspected neurological conditions: recognition and referral – guidance (NG127)
- Long-acting reversible contraception – guidance (CG30)

**Specialist Pharmacy Services**
- New Product Evaluations June 2019 - link
- Is there a place in therapy for Kenalog® (triamcinolone acetonide) intramuscular injection for seasonal allergic rhinitis (hay fever)? – link
- Risk of progressive multifocal leukoencephalopathy (PML) with biological agents in autoimmune disorders: Review of spontaneous confirmed cases (June 2019) – link

**SIMPATRY consortium (Stimulating Innovative Management of Polypharmacy and Adherence in The Elderly)**
- Polypharmacy Management by 2030: a patient safety challenge – link

MEDICATION SAFETY
**electronic Medicines Compendium (eMC) (UK)**
- Revised SPCs
  - Duloxetine hydrochloride: may cause symptoms of sexual dysfunction; there have been reports of long-lasting sexual dysfunction where the symptoms have continued despite discontinuation.
  - Darzalex™ (daratumumab): hepatitis B virus (HBV) reactivation reported. Perform HBV screening before initiation; for patients with positive serology, monitor for signs of HBV reactivation during, and for at least 6 months after treatment ceased.
-- Xeljanz™ (tofacitinib): contra-indicated for use in patients with risk factors for pulmonary embolism.
-- Bavencio™ (avelumab): warnings on the risk of pancreatitis including reports of fatal cases (frequency rare) included.
-- Brintellix™ (vortioxetine): anaphylactic reaction, haemorrhage, and rash (unknown frequency) included.
-- Eliquis™ (apixaban): Updated with information about dosing in patients undergoing interventions (e.g. catheter ablation) for non-valvular atrial fibrillation.
-- Actiq™ (fentanyl) Lozenges: delirium added as a potential adverse effect of treatment (frequency unknown).

**EMA**
- Medicine shortages: EU network takes steps to improve reporting and communication - link

**Institute for Safe Medication Practices (ISMP) USA**
Medication Safety Alert! July 4, 2019
-- Too Close for Comfort: Fatal Zinc Overdose Narrowly Avoided
-- Better oral syringe needed
-- RifAMPin – rifAXIMIn mix-ups
-- Close call with abbreviation, ILK

**PAPERS OF INTEREST**
**American Journal of Health-System Pharmacy (AHJP)**
- ASHP national survey of pharmacy practice in hospital settings: Monitoring and patient education - 2018 - link
- Direct oral anticoagulants in patients with cancer - link

**Annals of Internal Medicine**
- Effects of Nutritional Supplements and Dietary Interventions on Cardiovascular Outcomes: An Umbrella Review and Evidence Map - link
- Excess Antibiotic Treatment Duration and Adverse Events in Patients Hospitalized with Pneumonia: A Multihospital Cohort Study - link

**Australian Institute of Health Innovation, Macquarie University**
- Coping with more people with more illness: Part 1: the nature of the challenge and the implications for safety and quality – link
- Coping with more people with more illness: Part 2: new generation of standards for enabling healthcare system transformation and sustainability – link
- Qualitative research in healthcare: modern methods, clear translation: a white paper

**British Journal of Clinical Pharmacology**
- Anticholinergic medicines use among older adults before and after initiating dementia medicines - link
- Escitalopram population pharmacokinetics in people living with human immunodeficiency virus and in the psychiatric population: Drug–drug interactions and probability of target attainment - link
- The effect of providing prescribing recommendations on appropriate prescribing: A cluster-randomized controlled trial in older adults in a preoperative setting - link
- Antithrombotic dose: Some observations from published clinical trials - link
- The effect of providing prescribing recommendations on appropriate prescribing: A cluster-randomized controlled trial in older adults in a preoperative setting – link
- Therapeutic concentration achievement and allograft survival comparing usage of conventional tacrolimus doses and CYP3A5 genotype-guided doses in renal transplantation patients - link
**British Medical Journal (BMJ)**
- Sharing of clinical trial data and results reporting practices among large pharmaceutical companies: cross sectional descriptive study and pilot of a tool to improve company practices - [link](#)
- Quadruple versus triple combination antiretroviral therapies for treatment naive people with HIV - [link](#)
- Changes in hospital safety following penalties in the US Hospital Acquired Condition Reduction Program - [link](#)

**BMJ Quality and Safety**
- Managing risk in hazardous conditions: improvisation is not enough - [link](#)
- Reducing unnecessary sedative-hypnotic use among hospitalised older adults - [link](#)
- Study of a multisite prospective adverse event surveillance system - [link](#)

**Canadian Pharmacists Journal**
- The Effectiveness of Pharmacist Interventions on Cardiovascular Risk: The Multicenter Randomized Controlled RxEACH Trial - [link](#)

**Circulation**
- Comparative Effectiveness of β-Blocker Use Beyond 3 Years after Myocardial Infarction and Long-Term Outcomes Among Elderly Patients - [link](#)

**Clinics in Geriatric Medicine**
- Unexplained Anemia in the Elderly - [link](#)
- Aging and Hematopoiesis - [link](#)
- Treatment of Iron Deficiency in the Elderly: A New Paradigm - [link](#)
- Late Life Vitamin B12 Deficiency - [link](#)
- Kidney Disease and Anemia in Elderly Patients – [link](#)
- Implications of Anemia in the Elderly Undergoing Surgery - [link](#)

**Cochrane**
- Primaquine at alternative dosing schedules for preventing relapse in people with Plasmodium vivax malaria - [link](#)
- Pregabalin add-on for drug-resistant focal epilepsy - [link](#)
- Interventions for treating neuropathic pain in people with sickle cell disease - [link](#)

**European Heart Journal**
- Control of blood pressure and risk of mortality in a cohort of older adults: the Berlin Initiative Study - [link](#)

**Internal Medicine Journal**
- Extended Duration of Thromboprophylaxis for Medically Ill Patients: A Systematic Review and Meta-analysis of Randomized Controlled Trials - [link](#)

**JAMA**
- Subclinical Hypothyroidism A Review - [link](#)

**JAMA Cardiology**
- Association between Warfarin Control Metrics and Atrial Fibrillation Outcomes in the Outcomes Registry for Better Informed Treatment of Atrial Fibrillation - [link](#)
- Palliative Inotrope Therapy: A Narrative Review - [link](#)

**JAMA Dermatology**
- Psychiatric Adverse Events in Patients Taking Isotretinoin as Reported in a Food and Drug Administration Database From 1997 to 2017 - [link](#)
**JAMA Internal Medicine**
- Effectiveness of a Bundled Intervention Including Adjunctive Corticosteroids on Outcomes of Hospitalized Patients With Community-Acquired Pneumonia - link
- Association of Biologic Prescribing for Inflammatory Bowel Disease With Industry Payments to Physicians - link
- Association between Industry Payments to Physicians and Gabapentinoid Prescribing - link
- Comparative Analysis of Medicines Safety Advisories Released by Australia, Canada, the United States, and the United Kingdom - link
- Selecting the Appropriate Patients for Proton Pump Inhibitor Discontinuation: A Teachable Moment

**JAMA Network Open**
- Association Between Androgen Deprivation Therapy Use and Diagnosis of Dementia in Men with Prostate Cancer - link

**JAMA Oncology**
- Online Cancer Information and Patient Groups - link
- Prevalence of Chronic Pain and High-Impact Chronic Pain in Cancer Survivors in the US - link

**JAMA Psychiatry**
- In Vivo Availability of Cannabinoid 1 Receptor Levels in Patients with First-Episode Psychosis - link

**JAMA Surgery**
- Review of the Tokyo Guidelines 2018: Antimicrobial Therapy for Acute Cholangitis and Cholecystitis - link

**Journal of the American College of Cardiology**
- Aspirin for Primary Prevention of Cardiovascular Events - link

**Journal of Palliative Medicine**
- Top Ten Tips Palliative Care Clinicians Should Know About Telepalliative Care - link
- Experiences with Prescribing Large Quantities of Systemic Anticancer Therapy Near Death - link
- Cannabis Hyperemesis Syndrome in Palliative Care: A Case Study and Narrative Review – link

**Journal of Pharmacy Practice and Research (JPPR)**
- Effects of an electronic medication management system on pharmacists’ work in a paediatric hospital - link
- Expanding the war on waste: recycling cancer drugs - link
- Opioids, the pharmacist and the junior doctor: reducing prescribing error - link
- Improving the adoption of an electronic clinical decision support tool and evaluating its effect on venous thromboembolism prophylaxis prescribing at a Sydney tertiary teaching hospital - link
- Management of behavioural emergencies: a prospective observational study in Australian emergency departments - link
- Effectiveness of ‘do not disturb’ strategies in reducing errors during discharge prescription writing - link

**JRSM Cardiovascular Disease**
- Primary prevention of cardiovascular disease: A review of contemporary guidance and literature - link

**Lancet**
- Blood eosinophils and treatment response with triple and dual combination therapy in chronic obstructive pulmonary disease: analysis of the IMPACT trial - [link]
- Global burden of latent multidrug-resistant tuberculosis: trends and estimates based on mathematical modelling - [link]
- Development and validation of an automated HIV prediction algorithm to identify candidates for pre-exposure prophylaxis: a modelling study - [link]
- Review: Recent developments in drug-induced movement disorders: a mixed picture - [link]

**Medical Journal of Australia**
- An urgent need for antimicrobial stewardship in Indigenous rural and remote primary health care - [link]

**New England Journal of Medicine**
- Rituximab or Cyclosporine in the Treatment of Membranous Nephropathy - [link]
- Guideline Watch 2019: Coverage of the new clinical guidelines most likely to affect your practice today - [link]

**National Institute for Health Research (NIHR)**
- Moving Matters - Interventions to Increase Physical Activity - [link]
- NIHR Signals
-- National quality improvement programmes need time and resources to have an impact - [link]
-- Using both nicotine patches and gum together improves the chances of quitting smoking - [link]
-- Antiretroviral treatment can reduce the risk of HIV transmission between male partners to ‘zero’ - [link]
-- Meaningful increases in physical activity levels after cancer can be sustained for three months or more - [link]

**Pediatrics (American Academy of Pediatrics)**
- Neuropsychiatric Sequelae in Adolescents with Acute Synthetic Cannabinoid Toxicity - [link]
- Prevention of Group B Streptococcal Early-Onset Disease in Newborns - [link]
- Management of Infants at Risk for Group B Streptococcal Disease - [link]
- Toxicity of Bupropion Overdose Compared with Selective Serotonin Reuptake Inhibitors - [link]

**Pharmacotherapy**
- High-Dose Gabapentin for the Treatment of Severe Alcohol Withdrawal Syndrome: A Retrospective Cohort Analysis - [link]
- High Dose Cholecalciferol Supplementation In Adults With Cystic Fibrosis - [link]

**Prescrire – French Medical Journal**
- Newsletter n°206 July 2019 - [link]

**Preventative Medicine**
- Association between cannabis laws and opioid prescriptions among privately insured adults in the US – [link]
**AHHA - The Health Advocate - June 2019**

**Australian Commission on Safety and Quality in Health Care (ACSQHC)**
- Third Australian report on antimicrobial use and resistance in human health - AURA 2019 - May
- Australian Infection Prevention and Control Guidelines - link
- Care for low back pain: can health systems deliver? - link

**Australian Institute for Health and Welfare (AIHW)**
- Australia's mothers and babies data visualisations & Australia's mothers and babies 2017 - in brief
- National framework for protecting Australia's children indicators - link
- Tracking progress against the Implementation Plan goals for the Aboriginal and Torres Strait Islander Health Plan 2013–2023 - link
- Hospitalised injury and socioeconomic influence in Australia 2015–16 - link

**NSW Health Intranet**
- Communicating Positively: A Guide to Appropriate Aboriginal Terminology - guideline

**TGA**
- International work-sharing Initiative - Niraparib (Zejula®), evaluated under the Australia-Canada-Singapore-Switzerland (ACSS) Consortium's New Chemical Entities Work Sharing Initiative
- AusPARs:
  -- Octocog alfa (bhk) (Kovaltry®) for the treatment and prophylaxis of bleeding in patients with haemophilia A (congenital Factor VIII deficiency).
  -- Lenalidomide (Revlimid®) - extension of indications - for the treatment of patients with relapsed and/or refractory mantle cell lymphoma.

**Victorian Institute of Forensic Medicine**
- Clinical Communiqué - June 2019

**REPORTS AND PUBLICATIONS – INTERNATIONAL**

**Betsy Lehman Center for patient Safety**
- The Financial and Human Cost of Medical Error...and How Massachusetts Can Lead the Way on Patient Safety - link

**European Medicines Agency (EMA)**
- New treatment for children with type 2 diabetes - link

**FDA**
- New drug approvals
  -- Dupilumab to treat adults with nasal polyps accompanied by chronic rhinosinusitis
  -- Darzalex™ (daratumumab) in combination with lenalidomide and dexamethasone approved for newly diagnosed patients with multiple myeloma ineligible for stem cell transplant
  -- Solaris™ (eculizumab) for treatment of neuromyelitis optica spectrum disorder (NMOSD) in adult patients who are anti-aquaporin-4 (AQP4) antibody positive

**Health Canada**
- Health Product InfoWatch, June 2019

**National Institute for Health and Clinical Excellence (NICE) UK**
- Dementia – quality standard (QS184)
- Hypertension in pregnancy: diagnosis and management – guidance (NG133)
- Depression in children and young people: identification and management - guidance (NG134)
- Lenalidomide plus dexamethasone for previously untreated multiple myeloma - guidance (TA587)
- Long-acting reversible contraception – guidance (NG30)
- NICE Guidance for Stable Chest Pain Patients (CG95 & MTG32) to Appropriately Diagnose Patients with Suspected Coronary Artery Disease

**Ontario College of Pharmacists**
- College and HQO Launch First Set of Quality Indicators for Community Pharmacy – link

**Specialist Pharmacy Services**
- NICE Bites: Ulcerative colitis - link

**World Health Organisation (WHO)**
- WHO consolidated guideline on self-care interventions for health: sexual and reproductive health and rights - link
- Delivering Quality-Assured Medical Products for All 2019-2023 – link

**MEDICATION SAFETY**
- **electronic Medicines Compendium (eMC) (UK)**
  - Revised SPCs
    -- Yemex™ (fentanyl) Transdermal Patch: revised to include androgen deficiency as an endocrine system disorder adverse effect of unknown frequency.
    -- Gastromiro™ (iopamidol): advises transient hypothyroidism may occur in neonates when the mother or neonate has received an iodinated contrast agent. Thyroid function tests are recommended in neonates 7-10 days and 1 month after exposure to Gastromiro, especially in preterm neonates.
    -- Moventig™ (naloxegol): advises naloxegol must not be used in those with known or suspected GI obstruction or in patients at increased risk of recurrent obstruction, or in patients with underlying cancer who are at heightened risk of GI perforation.
    -- Solian™ (amisulpride): advises there are limited data on amisulpride in pregnant women - safety of use during human pregnancy has not been established. Amisulpride is excreted into breastmilk in rather large amounts above the accepted value of 10% of the maternal weight-adjusted dosage.

**Food and Drug Administration (FDA) USA**
- Statement on steps to make health care professional and patient labeling information for prescription medications consistent and clear - link

**Medsafe (New Zealand Medicines and Medical Devices Safety Authority)**
- Proposed warning statements for substances (e.g. allergens) in medicines that may cause undesirable reactions - link
- Information sheet: Taking lithium during pregnancy - link

**TGA**
- A reminder to return your unused opioids to your local pharmacy - link

**PAPERS OF INTEREST**
- **American Journal of Health-System Pharmacy (AHJP)**
  - Inappropriate opioid prescribing practices: A narrative review - link

**Annals of Internal Medicine**
- Care of the Transgender Patient - link
- Self-management of Epilepsy: A Systematic Review - link
**British Medical Journal (BMJ)**
- Impact of audit and feedback with action implementation toolbox on improving ICU pain management: cluster-randomised controlled trial - [link](#)
- Associations between gabapentinoids and suicidal behaviour, unintentional overdoses, injuries, road traffic incidents, and violent crime: population based cohort study in Sweden - [link](#)
- Case report: Metformin-associated lactic acidosis precipitated by liraglutide use: adverse effects of aggressive antihyperglycaemic therapy - [link](#)
- Duration of dual antiplatelet therapy after percutaneous coronary intervention with drug-eluting stent: systematic review and network meta-analysis - [link](#)
- Discharging doctors do not reliably predict risk of medication-related harm – [link](#)
- Clinical Update: Syphilis - [link](#)

**BMJ Quality and Safety**
- mHOMR: a feasibility study of an automated system for identifying inpatients having an elevated risk of 1-year mortality – [link](#)
- Reducing door-to-needle times in stroke thrombolysis to 13 min through protocol revision and simulation training: a quality improvement project in a Norwegian stroke centre - [link](#)
- Impact of audit and feedback with action implementation toolbox on improving ICU pain management: cluster-randomised controlled trial - [link](#)

**CHEST - American College of Chest Physicians**
- Extended Anticoagulation for VTE: A Systematic Review and Meta-Analysis – [link](#)

**Circulation**
- Time Course for Benefit and Risk of Clopidogrel and Aspirin after Acute Transient Ischemic Attack and Minor Ischemic Stroke: A Secondary Analysis from the POINT Randomized Trial - [link](#)

**Cochrane**
- Marine-derived n-3 fatty acids therapy for stroke - [link](#)
- Pharmacological interventions for prevention and treatment of upper gastrointestinal bleeding in newborn infants - [link](#)

**Current Developments in nutrition**
- Increasing Dietary Vitamin K Intake Stabilizes Anticoagulation Therapy in Warfarin-Treated Patients with a History of Instability: A 24-week Randomized Controlled Trial – [link](#)

**European Journal of Heart Failure**
- Pharmacy-based interdisciplinary intervention for patients with chronic heart failure: results of the PHARM-CHF randomized controlled trial - [link](#)

**Internal Medicine Journal**
- Pre-hospital Thrombolysis for ST-segment Elevation Myocardial Infarction in Regional Australia: Long Term Follow Up - [link](#)

**JAMA**
- Brexanolone (Zulresso) for Postpartum Depression - [link](#)
- A Practical Approach to Low-Dose Aspirin for Primary Prevention - [link](#)
- Effect of Tanezumab on Joint Pain, Physical Function, and Patient Global Assessment of Osteoarthritis among Patients with Osteoarthritis of the Hip or Knee: A Randomized Clinical Trial - [link](#)

**JAMA Internal Medicine**
- Association of Radioactive Iodine Treatment with Cancer Mortality in Patients With Hyperthyroidism - [link](#)
**JAMA Network Open**

**JAMA Neurology**
- Functional Outcome of Intravenous Thrombolysis in Patients with Lacunar Infarcts in the WAKE-UP Trial - link

**JAMIA (Journal of the American Medical Informatics Association)**
- Estimating the impact of deploying an electronic clinical decision support tool as part of a national practice improvement project - link

**Journal for Healthcare Quality**
- Opioids in Canada - link

**Lancet**
- Population-level impact and herd effects following the introduction of human papillomavirus vaccination programmes: updated systematic review and meta-analysis - link
- Causes of severe pneumonia requiring hospital admission in children without HIV infection from Africa and Asia: the PERCH multi-country case-control study - link
- Effects of alirocumab on cardiovascular and metabolic outcomes after acute coronary syndrome in patients with or without diabetes: a prespecified analysis of the ODYSSEY OUTCOMES randomised controlled trial - link

**Medical Journal of Australia**
- Pharmaceutical Benefits Scheme restrictions on anti-epileptic drug prescribing promote unsafe and outdated practice - link
- Reduced VRE and MRSA colonisation and infection following sustained reduction in broad spectrum antibiotic use in a large tertiary hospital - link

**New England Journal of Medicine**
- Early Sedation with Dexmedetomidine in Critically Ill Patients - link
- Nintedanib for Systemic Sclerosis–Associated Interstitial Lung Disease - link

**National Institute for Health Research (NIHR)**
- NIHR Signals
- Antiretroviral treatment can reduce the risk of HIV transmission between male partners to ‘zero’ - link
- Telephone or internet delivered talking therapy can alleviate irritable bowel symptoms - link
- Using both nicotine patches and gum together improves the chances of quitting smoking - link

**Pharmacotherapy**
- Comparison of Neutropenia Associated with Ceftaroline or Ceftriaxone in Patients Receiving at Least 7 Days of Therapy for Severe Infections - link
- Association between Anticholinergic Medication Use and Risk of Dementia among Patients with Parkinson's Disease - link
- Case report: Intraoperative Unfractionated Heparin Unresponsiveness during Endovascular Repair of a Ruptured Abdominal Aortic Aneurysm Following Administration of Andexanet Alfa for the Reversal of Rivaroxaban – link
- Potential Role of Direct Oral Anticoagulants in the Management of Heparin-induced Thrombocytopenia - link

**Pharmacy**
- Development, Testing and Results of a Patient Medication Experience Documentation Tool for Use in Comprehensive Medication Management Services - link
- A Study to Identify Medication-Related Problems and Associated Cost Avoidance by Community Pharmacists during a Comprehensive Medication Review in Patients One Week Post Hospitalization - link
- Race/Ethnicity, Socioeconomic Status, and Polypharmacy among Older Americans - link
- Using Service Blueprints to Visualize Pharmacy Innovations - link
- Strategies for Clarifying Penicillin Allergies When Skin Testing Is Not an Option - link