



Foundation Seminar in Surgery & Perioperative Medicine

Preliminary Program

Self-paced learning package: available from Friday 24 March 2023

Topic	Presenter
Overview of clinical pharmacist roles in surgery and perioperative medicine	Abby Yu , Pre Admission Clinic Pharmacist and Surgical Team Leader, Royal Brisbane and Women's Hospital, Brisbane, Qld
Introduction to orthopaedic surgery	Dr Elie Khoury , Consultant Orthopaedic Surgeon, Northpark Private Hospital, Melbourne, Vic
Introduction to general surgery	Dr Kevin Chan , Consultant Gastrointestinal, Bariatric and General Surgeon, Royal Brisbane and Women's Hospital, Brisbane, Qld
Introduction to plastic and reconstructive surgery	Dr Maitumelo Imeldah Di Loreto , Plastic Surgery Registrar, Alfred Health, Melbourne, Vic
Medication management in the perioperative setting	Rosemarie Kairuz , Senior Pharmacist, Surgical Specialties, Alfred Health, Melbourne, Vic
Overview of anaesthesia and the anaesthetist's role	Dr James Roth , Anaesthetic Fellow, Vic
Pain management in the perioperative period	Dr Gareth Collins , Anaesthetist, Clinical Lead Acute Pain Management Service, Department of Anaesthesia and Perioperative Medicine, Royal Brisbane and Women's Hospital, Brisbane, Qld
Antimicrobial Stewardship in the perioperative period	Dr Courtney Ierano , AMS Pharmacist/NAPS Program Manager - The RMH Group; Post Doctorate Fellow, National Centre for Antimicrobial Stewardship and University of Melbourne, Melbourne, Vic
Management of the surgical patient after surgery: post-operative nausea and vomiting	Julie Taylor , Acting Surgery Team Lead Pharmacist, Barwon Health, Geelong, Vic
Management of the surgical patient after surgery: venous thromboembolism prophylaxis	Julie Taylor , Acting Surgery Team Lead Pharmacist, Barwon Health, Geelong, Vic
Regular medications in the post-operative period	Tori Burfield , Perioperative Team Leader, Princess Alexandra Hospital, Brisbane, Qld

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PROGRAM: Live virtual seminar: Saturday 6 May 2023

Please note all times listed are in AEST

Saturday 6 May 2023

TIME (AEST)	Session
0920-0930	Online login available
0930-0935	Welcome, introduction, online platform overview
0935-0955	Pop-quiz: review of online content Abby Yu , Pre Admission Clinic Pharmacist and Surgical Team Leader, Royal Brisbane and Women's Hospital, Brisbane, Qld
0955-1115	Case session 1: preoperative management of medications <ul style="list-style-type: none"> Case study 1: Antiplatelet management Lead by: Janelle Penno , Senior Perioperative Pharmacist, Peter MacCallum Cancer Centre, Melbourne, Vic Tutor team: Thuy Bui, Julie Taylor, Abby Yu, Galahad Gu <ul style="list-style-type: none"> Case studies 2 & 3: Anticoagulation management – DOAC / warfarin Lead by: Abby Yu Tutor team: Thuy Bui, Julie Taylor, Janelle Penno, Galahad Gu
1115-1130	Break
1115-1230	Case session 2: preoperative management of medications <ul style="list-style-type: none"> Case study 4: Oral hypoglycaemic and insulin management Lead by: Abby Yu , Pre Admission Clinic Pharmacist and Surgical Team Leader, Royal Brisbane and Women's Hospital, Brisbane, Qld Tutor team: Thuy Bui, Julie Taylor, Janelle Penno, Galahad Gu <ul style="list-style-type: none"> Case study 5: Immunosuppressant management Lead by: Galahad Gu , Associate Program Director Pharmacy (Clinical Services, Box Hill Hospital & Blackburn Public Surgical Centre), Eastern Health, Melbourne, Vic Tutor team: Thuy Bui, Julie Taylor, Janelle Penno, Abby Yu
1230-1300	Break
1300-1430	Case study: post-operative pain Lead by: Tori Burfield , Perioperative Team Leader, Princess Alexandra Hospital, Brisbane, Qld Tutor team: Thuy Bui, Julie Taylor, Abby Yu, Galahad Gu
1430-1440	Break
1440-1525	Complex case study: from the clinic to the ward <ul style="list-style-type: none"> Part 1 (pre-op questions) Lead by: Thuy Bui , Lead Pharmacist – Analgesic Stewardship (AGS) & Perioperative Services, Alfred Health, Melbourne, Vic Tutor team: Julie Taylor, Abby Yu, Galahad Gu, Tori Burfield
1525-1530	Break
1530-1630	Complex case study: from the clinic to the ward <ul style="list-style-type: none"> Part 2 (post-op questions) Lead by: Thuy Bui Tutor team: Julie Taylor, Abby Yu, Galahad Gu, Tori Burfield
1630-1700	Q&A session and seminar close
1700	Close of seminar

Please note: the live seminar day will not be recorded

Program Learning Objectives

Session / Topic	Learning Objectives
Welcome and introduction	<p>The learning objectives for the seminar are to:</p> <ul style="list-style-type: none"> Describe the management of common orthopaedic and general surgery conditions Explain the role of the anaesthetist in surgery Explain the types of medications used in surgery and their role in anaesthesia. Describe medication management in the peri-operative period. Identify antimicrobial stewardship principles in the perioperative period. Describe the management of post-operative nausea and vomiting and venous thromboprophylaxis in the surgical patient. Describe the management of post-operative pain including the use of regional techniques, patient-controlled analgesia and the role and risks of opioids.
Introduction to orthopaedic surgery – common complaints and surgical procedures	<ul style="list-style-type: none"> Identify common reasons why people see an orthopaedic surgeon. Describe the management of common orthopaedic conditions. Review the types of procedures commonly performed by orthopaedic surgeons. Describe an orthopaedic surgeon’s approach to a patient requiring orthopaedic surgery, in the perioperative setting.
Overview of anaesthesia and the anaesthetist’s role	<ul style="list-style-type: none"> Review the history of anaesthesia Explain different approaches to anaesthesia Describe medications used for anaesthesia Review an anaesthetist’s approach to a patient during the perioperative setting
<p>Medication management in the perioperative setting</p> <ul style="list-style-type: none"> Anticoagulants / antiplatelets Diabetes Immunotherapy Antihypertensives (ACE Inhibitors & ARBs) 	<ul style="list-style-type: none"> Describe a perioperative pharmacist approach to patients in the perioperative setting. Identify the groups of medicines requiring modification during the perioperative period. Describe the management of medicines requiring modification during the pre-operative period.
Case studies: preoperative management of medications	<ul style="list-style-type: none"> Apply medication management principles to patients in the perioperative period Document in a clinical record an appropriate medicines management plan for a patient undergoing surgery
Antimicrobial Stewardship in the Perioperative Period	<ul style="list-style-type: none"> Describe how antimicrobial stewardship principles are applied in the perioperative setting Explain the rationale for and appropriate use of antibiotic prophylaxis in the perioperative setting Summarise the roles of pharmacists in discharge planning to facilitate continuity of medication administration and adherence

<p>Management of the surgical patient after surgery: Post-operative nausea and vomiting and venous thromboembolism prophylaxis</p>	<ul style="list-style-type: none"> • Identify risk factors for post-operative nausea and vomiting (PONV) • Describe the management of PONV • Identify risk factors for VTE in the post-operative period • Describe strategies to prevent VTE in the post-operative period
<p>Pain management in the perioperative period</p>	<ul style="list-style-type: none"> • Explain the mechanisms of acute post-operative pain • Describe different strategies used to manage post-operative pain • Describe the classes of medications used to manage post-operative pain • Describe the appropriate use of opioids in the post-operative period
<p>Case studies: post-operative pain Review of a patient post-operatively following a total knee replacement – reviewing PCA, converting to oral analgesia, calculating discharge requirements</p>	<ul style="list-style-type: none"> • Apply knowledge of post-operative pain management in the post-operative period to patient case studies
<p>Regular medications in the post-operative period</p>	<ul style="list-style-type: none"> • Review the importance of continuing regular medications during the perioperative period • Describe the modification and reintroduction of medication in perioperative and post-operative periods • Identify the importance of good communication to ensure patients continue appropriate regular medications post-operatively • Describe positive communication techniques to utilise with patients about their medications in the post-operative period
<p>Complex case study: from the clinic to the ward</p>	<ul style="list-style-type: none"> • Apply knowledge of perioperative medication management to a complex surgical patient.