



Foundation Seminar in Surgery & Perioperative Medicine

Preliminary Program

Seminar pre-work (recorded presentations)

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

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Live virtual seminar: Saturday 15 & Sunday 16 May 2021

Please note all times listed are in AEST

Saturday 15 May 2021

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 , <i>Pre Admission Clinic Pharmacist and Surgical Team Leader, Royal Brisbane and Women's Hospital, Brisbane, Qld</i>
0955-1055	Medication management in the perioperative setting <ul style="list-style-type: none">• Anticoagulants / antiplatelets• Diabetes• Immunotherapy Rosemarie Kairuz , <i>Clinical Pharmacist and Perioperative Advanced Training Resident, Alfred Health, Melbourne, Vic</i>
1055-1115	Break
1115-1230	Overview of anaesthesia and the anaesthetist's role Dr James Roth
1230-1235	Break
1235-1345	Case session 1: preoperative management of medications <ul style="list-style-type: none">• Case study 1: Antiplatelet management• Case studies 2 & 3: Anticoagulation management – DOAC / warfarin Led by Janelle Penno , <i>Perioperative Pharmacist, Peter MacCallum Cancer Centre, Melbourne, Vic</i> Tutor team: Thuy Bui, Rosemarie Kairuz, Arthur Lim, Megan Denton-Brown, Caitlin Mulqueen, Abhitha Sundaram
1345-1415	Break
1415-1525	Case session 2: preoperative management of medications <ul style="list-style-type: none">• Case study 3: Oral hypoglycaemic and Insulin management• Case study 4: Immunosuppressant management Led by Abby Yu Tutor team: Thuy Bui, Rosemarie Kairuz, Arthur Lim, Megan Denton-Brown, Caitlin Mulqueen, Abhitha Sundaram
1525-1530	Break
1530-1630	Pain management in the perioperative period Dr Harry Sivakumar , <i>Pain Fellow, Alfred Health, Melbourne, Vic</i>
1630-1700	Antimicrobial Stewardship in the perioperative period Dr Courtney Ierano , <i>Infectious Diseases Advanced Training Resident, Alfred Health, Melbourne, Vic; PhD Fellow, National Centre for Antimicrobial Stewardship (NCAS), Melbourne, Vic</i>
1700	Close of Day 1

Sunday 16 May 2021

0920-0930	Online login available
0930-1000	Management of the surgical patient after surgery: Post-operative nausea and vomiting and venous thromboembolism prophylaxis Tori Forrester, Perioperative Pharmacist, Princess Alexandra Hospital, Brisbane, Qld
1000-1130	Case study: post-operative pain Led by Tori Forrester Tutor team: Thuy Bui, Rosemarie Kairuz, Arthur Lim, Megan Denton-Brown, Caitlin Mulqueen, Brennan Fitzpatrick
1130-1200	Break
1200-1230	Regular medications in the post-operative period Tori Forrester, Perioperative Pharmacist, Princess Alexandra Hospital, Brisbane, Qld
1230-1315	Complex case study: from the clinic to the ward <ul style="list-style-type: none"> Part 1 (pre-op questions) Led by Thuy Bui, Lead Pharmacist – Analgesic Stewardship and Perioperative Services, Alfred Hospital, Vic Tutor team: Tori Forrester, Rosemarie Kairuz, Arthur Lim, Megan Denton-Brown, Caitlin Mulqueen, Brennan Fitzpatrick
1315-1330	Break
1330-1430	Complex case study: from the clinic to the ward <ul style="list-style-type: none"> Part 2 (post-op questions) Led by Thuy Bui Tutor team: Tori Forrester, Rosemarie Kairuz, Arthur Lim, Megan Denton-Brown, Caitlin Mulqueen, Brennan Fitzpatrick
1430-1500	Q&A session and seminar close Thuy Bui

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.

<p>Introduction to orthopaedic surgery – common complaints and surgical procedures</p>	<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.
<p>Overview of anaesthesia and the anaesthetist's role</p>	<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.
<p>Case studies: preoperative management of medications</p>	<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
<p>Antimicrobial Stewardship in the Perioperative Period</p>	<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</p> <p>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.