

OVERVIEW OF CLINICAL PHARMACIST ROLES IN SURGERY AND PERIOPERATIVE MEDICINE

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DISCLOSURE

In relation to this presentation, I declare the following, real or perceived conflicts of interest:

Nil


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LEARNING OBJECTIVES

- Outline the pharmacist role in surgery and perioperative medicine




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PHARMACIST COMPETENCY STANDARDS

Pharmacist competency standards* addressed include:

- 3.1.2 Assess medication management practices and needs

*National competency standards framework for pharmacists in Australia, 2016




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SURGERY

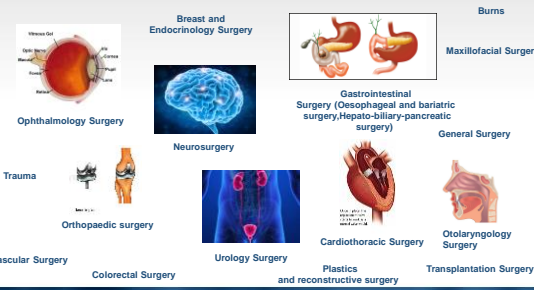

"Surgery comprises surgical or operating room procedures including patients under the care of the Trauma unit"

SHPA Standards of Practice in surgery and perioperative medicine for pharmacy services 2021



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SURGICAL AREAS WHERE PHARMACISTS MAY PRACTICE

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PERIOPERATIVE MEDICINE PHARMACIST ROLES CONT'D...

- Timely medicine supply
- Drug interactions relevant to anaesthesia
- Controlled substance governance and surveillance
- Provision of drug information and education
- Financial reporting
- Drug shortage risk mitigation

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QUALITY IMPROVEMENT ROLES

- Multidisciplinary education
- Policy, procedures and guidelines
- Surgical and perioperative medicine committee involvement
- Input into medicines formulary decisions
- Delivery of patient education
- Quality improvement and research
- Promote safe use of medicines

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EMERGING ROLES

- Pre-habilitation
- Smoking cessation intervention and NRT
- Partnered Pharmacist Medication Charting
- Involvement in surgical outpatient clinics
- Pharmacist-led TDM (e.g., antibiotics)
- Perioperative allergy testing
- Vaccination e.g., influenza vaccine, splenectomy, COVID-19
- Pharmacogenomic testing and counselling
- Pharmacist-led analgesic de-escalation

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NECESSARY KNOWLEDGE & SKILLS

- Knowledge of pathophysiology, diagnostics and therapeutics in surgical area
- Ability to identify medicines that need modification perioperatively
- Deliver medicines education tailored to the patient
- Clinical reasoning
- Understand risk factors for medicine non-adherence
- Able to retrieve and synthesize evidence

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SUMMARY

- Surgery and perioperative medicine pharmacists work across a diverse range of clinical settings
- Key focus - improve medicines management and minimise medicine-related harm
- Integration into relevant surgical/anaesthetic teams crucial
- Essential and emerging roles which demonstrate improvement to patient outcomes
- Necessary knowledge and skills to work effectively within surgery and perioperative medicine

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