

Core Concepts in Perianaesthesia Nursing

GCPN700

<i>Credits</i>	10	<i>Level</i>	7
<i>EFTS</i>	0.0833	<i>Grade Scale</i>	G29aa
<i>Notional Learning Hours</i>	100	<i>Work Integrated Learning</i>	0
<i>Effective from</i>	February 2016	<i>Date of this version</i>	November 2015
<i>Course Information</i>	<p>Students must be a Registered Nurse and hold a current Practising Certificate issued by the Nursing Council of New Zealand</p> <p>Students must also have a minimum of six months post registration experience in the OR or PACU or ICU</p>		

Aim

To enable Registered Nurses working in the perianaesthesia environment to further develop their professional and nursing knowledge in the anaesthetic nursing care of adult patients that promotes safe and critical thinking in the planning and delivery of care.

To promote the use of reflective practice in developing expertise in care delivery.

To review the evidence underpinning perianaesthesia nursing and evaluate the implications for current and future practice.

Learning outcomes

On successful completion of this course the Registered Nurse will be able to

1. Demonstrate an understanding of normal physiological parameters and the physiological responses associated by the giving of anaesthesia.
2. Utilise an assessment framework to assess patient's health status prior to anaesthesia.
3. Demonstrate an understanding of applied pharmacology related to anaesthesia.
4. Examine the professional, legal and ethical responsibilities of the evolving role of the anaesthetic nurse.
5. Utilise an approach to care that reflects the knowledge and skills required to deliver effective communication with the patient/client and members of the health care team (perioperative and wider).
6. Critically evaluate literature and evidence regarding best practice in perianaesthesia nursing.

Indicative curriculum

1. Principles of Anaesthesia:
 - Mechanism of Action
 - Triad of General Anaesthesia
 - Types of Anaesthesia Care
 - General Anaesthesia
 - Regional Anaesthesia
 - Monitored Anaesthesia Care

- Moderate Sedation/Analgesia
 - Local Anaesthesia
2. Pharmacology related to anaesthesia:
- Induction Agents
 - Thiopental, Propofol, Etomidates, Ketamine, Benzodiazepines, Opioids Total intravenous anaesthesia (TIVA), Target controlled infusions (TCI)
 - Inhalation Anaesthetic agents
 - Halothane, Enflurane, Isoflurane, Sevoflurane, Desflurane
 - Analgesics
 - Fentanyl, Alfentanil, Remifentanyl, Nitrous Oxide
 - Muscle relaxants
 - Depolarising muscle relaxants, Suxamethonium
 - Non-depolarising muscle relaxants, Mivacurium, Atracurium, Vecuronium, Pancuronium, Rocuronium
 - Reversal agents, Neostigmine, Glycopyrolate
3. Physiological responses to anaesthesia:
- Effects on Organ function
 - CNS
 - Cardiovascular System
 - Respiratory System
4. Nursing assessment – data interpretation and clinical decision making:
- Haemodynamic Assessment
 - Invasive
 - CVP
 - Arterial Blood Pressure monitoring
 - Non-invasive
 - Heart rate and rhythm
 - BP
 - Skin perfusion
 - SpO₂
 - Types of monitoring
 - ECG
 - Capnography
 - Peripheral Nerve stimulator (Train-of-four test)
5. Identifying patient at risk:
- ASA Physical Status Classification System
6. Management of patients with high co-morbidities: morbid obese patients, older adult:
- Pathophysiological considerations
 - Risk reduction/Safety consideration
7. Medico-legal implications:
- Code of Health and Disability Services Consumers' Right
 - Health Information Privacy Code
 - Medicines Act (1981)
 - Misuse of Drugs Act

- Australian and New Zealand College of Anaesthetists Guidelines
- Nursing Council of New Zealand: Competencies for Registered Nurses

Learning activities

On line course delivery, clinical practice, self-directed learning.

Assessment

No	Assessment Type	Pass Criteria	Weighting	Outcomes Assessed
1	Assignment	50%	80%	1-6
2	Participation in on-line discussion forums	50%	20%	1-6

Required Texts Resources

Odon-Forren, J. (2015). *Drain's perianaesthesia nursing* (6th ed.). St Louis, MO: Elsevier.

Recommended Texts Resources

Radford, M., County, B., & Oakley, M. (2004). *Advancing perioperative practice*. Cheltenham, United Kingdom: Nelson Thornes Ltd.

Rothrock, J. C. (2014). *Alexander's care of the patient in surgery* (15th ed.). St Louis, MO: Elsevier Mosby.