## **Chapter 3B**

Specialty Nursing Competencies – Koala Ward



Nursing Competency Workbook, 10th Edition

The Royal Children's Hospital (RCH) Nursing Competency Workbook is a dynamic document that will provide you with direction and assist you in your professional development as a nurse working at the RCH. The workbook also provides a record of your orientation and competency obtainment.

#### Chapter 1

Includes resources for nurses and is complemented by the Royal Children's Hospital (RCH) New Starter Pack, Hospital Orientation and Nursing Orientation day, to provide an introduction to nursing at the RCH.

#### Chapter 2

Generic Nursing Competency Assessment Forms

#### Chapter 3

Specialty Nursing Competency Assessment Forms

#### Appendix 1

Unit / Department Nursing Orientation

All chapters and appendices are downloadable as pdfs from the Nursing Education Website.

**The RCH Nursing Competency Workbook** developed by Nursing Education with input from specialist nurses at the RCH.

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#### Workbook Edition 10, January 2018

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## Anticoagulation

#### **Competency Statement:**

The nurse is able to effectively implement a plan of care for a patient who is receiving therapeutic anticoagulation as an inpatient and will be discharged home on anticoagulation therapy

RCH references related to this competency: RCH Clinical Practice Guidelines: Anticoagulation

# COMPETENCY ELEMENTS General 1. Locate and read the anticoal

- 1. Locate and read the anticoagulation therapy clinical practice guideline
  - 2. Discuss indications for therapeutic anticoagulant therapy
  - 3. Discuss anticoagulant drugs used for therapeutic anticoagulation and reasons for choice of anticoagulation drug
  - 4. Discuss action and side effects of three drugs used for therapeutic anticoagulation
  - 5. Discuss blood tests to monitor blood levels of anticoagulant therapy for each of the three anticoagulant drugs and the preferred timing of blood tests

#### Warfarin

- 6. With regards to warfarin state
  - a. The action
  - b. The method of administration
  - c. The side effects
  - d. The confounders to stable therapy
  - e. The antidote
- 7. Identify the blood test used to monitor effectiveness of Warfarin
  - a. Name
  - b. Patient's therapeutic range
  - c. Method of collection
  - d. Timing of collection

#### Heparin

- 8. With regards to Heparin state
  - a. The action
  - b. The method of Administration
  - c. How the correct prescription for Heparin should be written
  - d. How to calculate correct dose for patient's weight
  - e. The side effects
  - f. The antidote
- 9. Identify the blood test used to monitor effectiveness of Heparin
  - a. Name
  - b. Method of collection
  - c. Timing of collection

## 10. Discuss when Heparin infusions should be turned off prior to certain procedures **Enoxaparin**

- 11. With regards to Enoxaparin state
  - d. The action
  - e. The method of administration
  - f. The usual dose in mg/kg
  - g. The side effects
  - h. The antidote
  - i. The actions required to minimise side effects
- 12. Identify the blood test used to monitor effectiveness of Enoxaparin including
  - a. Name
  - b. Method of collection
  - c. Timing of collection

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	

1. Demonstrate the process of making up a Heparin infusion, including set up of guardrails **Warfarin** 

2. Participate in teaching session of patient and their family

Enoxaparin

- 3. Participate in a teaching session for a patient receiving Enoxaparin and their family
- 4. Demonstrate insertion of Insulflon where appropriate

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:

Signature:

Date:

Assessor Name:

Signature:

## **Blood Gas Analysis**

#### **Competency Statement**

The nurse safely and effectively performs and interprets the analysis of a blood gas specimen

1.	Identify the following components measured in arterial blood gas analysis and state their
	normal ranges:
	a. pH
	b. pCO2
	c. p02 d. BE
	e. HCO3
2	
Ζ.	Identify the normal variables for the a. Venous sample
	b. Capillary sample
	c. Arterial sample
З	State the possible indications for a taking a blood gas sample
	Identify
т.	a. Respiratory acidosis
	b. Respiratory alkalosis
	c. Metabolic acidosis
	d. Metabolic alkalosis
5.	State the causes of
	a. Respiratory acidosis
	b. Respiratory alkalosis
	c. Metabolic acidosis
	d. Metabolic alkalosis
6.	Discuss compensation in acid – base status
7.	Articulate considerations for patients with mixed circulation when performing blood ga analysis
8.	Identify the correct management of the patient with altered blood gas analysis

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:
S 1. Demonstrate the correct p a. Arterial blood g b. Venous blood g c. Capillary blood	as sample as sample	

2. Demonstrate a step by step process to interpret the blood gas analysis

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	

## Blood sampling (Heel Prick)

#### **Competency Statement:**

The nurse safely and effectively obtains a blood sample by way of a heel prick

СОМ	COMPETENCY ELEMENTS		
K	2. 3. 4. 5.	Locate and read the Policy & Procedure for Collection of Capillary Blood Samples List three commonly ordered blood tests that can be obtained with a heel pick List four potential complications associated with performing a blood collection by heel prick Discuss the rationale for wiping away the first drop of blood when obtaining a blood sample. Describe correct procedure for transport of collected specimen Explain PASP (Pre-Analytical Specimen Problem)	

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:
<ul><li>8. Discuss and demonstr</li><li>9. Select appropriate site</li></ul>	assemble required equipment ate preparation of the Neonate/infant for e on heel for puncture and provides a ra procedure for blood collection from a hee	tionale for this

- a. Cleansing
- b. Holding the foot
- c. Assisting blood flow
- d. Collecting blood in tube
- e. Stopping blood flow when sample collected

11. Correctly labels all specimens and accurately completes all documentation

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:	

Assessor Name:

Signature:

## **Cardiac Catheterisation**

#### **Competency Statement**

The nurse safely and effectively cares for the child / young person undergoing a Cardiac Catheter Procedure

COMPETENCY ELEMENTS		
	1.	Locate and read the Cardiac Catheter Clinical Practice Guideline
Κ	2.	Describe interventional procedures able to be undertaken by cardiac catheter
	3.	Discuss diagnostic procedures able to be undertaken by cardiac catheter
	4.	Discuss how the management of the child post operatively differs between diagnostic and interventional catheters
	5.	Discuss the preoperative care required by the patient including
		a. Fasting times and hydration
		b. Observations
		c. Investigations
		d. Medications to withheld
	6.	Discuss the post-operative observations and care required for a patient having undergone a cardiac catheter and the rationale for each
	7.	Discuss possible complications of Cardiac Catheter and implications for nursing care
	8.	Discuss the possible need for Heparin or Lytic therapy
		Discuss the discharge education required for parents

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	

Demonstrate care of the child with cyanotic heart disease pre cardiac catheterisation
 Demonstrate care of the child and family post cardiac catheterisation

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

S

Signature:

## **Cardiac Tamponade**

#### **Competency Statement**

The nurse can recognise a patient with tamponade and safely and effectively provide emergency nursing care

COMPETENCY ELEMENTS		
K	<ol> <li>Define cardiac tamponade</li> <li>Explain the pathophysiology of cardiac tamponade including early and late compensation mechanisms</li> <li>Outline the potential causes of tamponade</li> <li>Describe assessment findings with rationales for a patient who is developing a tamponade</li> <li>Explain the presentation and significance of pulsus paradoxus for         <ul> <li>a. the patient who is spontaneously breathing</li> <li>b. the patient who is ventilated.</li> </ul> </li> <li>State the diagnostic test that can be performed on a patient thought to have a tamponade</li> <li>Discuss the emergency nursing management for the patient who has a cardiac tamponade</li> <li>Identify the two emergency procedures that may be performed for a patient with tamponade</li> </ol>	
S	Not Applicable	

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:

Signature:

Date:

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Assessor Name:
```

Signature:

## Chest Drain & Underwater Seal Drain (UWSD) Management

#### **Competency Statement:**

Κ

The nurse safely and effectively cares for the child who has a Chest Drain with an Underwater Seal Drain (UWSD)

#### COMPETENCY ELEMENTS

- 1. Locate and read the following Clinical Practice Guidelines: Chest Drain Management and Pleural and Mediastinal drain management after cardiothoracic surgery
- 2. Locate and read the following: Cardiac Surgical Wound Dressings
- 3. Describe the anatomy of the chest including the lining of the lungs
- 4. Identify the mechanics of breathing including negative intrapleural space
- 5. Identify the location of the proximal end of the chest drain
- 6. Describe the function of the 3 chamber UWSD apparatus
- 7. Provide rationales for insertion of UWSD chest drain
- 8. Explain the specific safety precautions required for the patient with an UWSD
- 9. Describe the correct procedure for securing the chest drain and dressing the insertion site
- 10. Describe the ongoing patient assessment required when a patient has chest drain with UWSD including:
  - a. Start of shift checks
  - b. Vital signs
  - c. Pain
  - d. Drain insertion site
- 11. Discuss the nursing management for chest drainage losses
- 12. Describe the indications and procedure for changing the UWSD unit
- 13. Describe the precautions required for transporting a patient with an UWSD
  - 14. Outline the complication of a chest drain and UWSD
- 15. Discuss the difference between an UWSD and redivac drain
- 16. Post removal of a chest drain, if drain sutures remain insitu, discuss when drain sutures are removed

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:
<ul> <li>and suction (if ordered) <ul> <li>a. Correct pressure</li> <li>b. Connecting one</li> <li>c. Connecting 2 un</li> <li>d. Dry suction unit</li> </ul> </li> <li>2. Using the UWSD apparair leak</li> <li>3. Demonstrate the correct</li> <li>4. Demonstrate the correct</li> <li>5. Demonstrate the correct</li> <li>6. Identify anchor suture and an an an and an an</li></ul>	e unit to suction its to suction (splitting) (Atrium Oasis) atus identify how you would determin at procedure for measuring chest drain at method of documenting the chest dr t method for obtaining a specimen fro	e if the patient has an ongoing age rainage activity and drainage om the UWSD unit

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

Date:

D - + -

## **Criteria Led Discharge**

#### **Competency Statement:**

The nurse safely and effectively discharges a child applying event led discharge criteria

СОМР	COMPETENCY ELEMENTS		
Κ	1. 2.	Locate and read Criteria Led Discharge procedure Discuss the benefits of criteria led discharge (Clinical practices guidelines) a. For the family b. For the organisation	
	4. 5.	Discuss the expectations of nursing staff within the criteria led discharge process Discuss the required authorization from medical staff for criteria led discharge to occur and identify where this particular information is documented Discuss the medical review requirements for a child who will have a criteria led discharge Highlight some of the issues that may need addressing when discharging a patient via a	
	7.	criteria led discharge order Discuss the discharge follow up required and how this is arranged	
S	8.	Demonstrate discussion with the family explaining the Criteria Led Discharge process	

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Nurse Name:

Signature:

Date:

Assessor Name:

Signature:

### **Febrile Neutropenia**

#### **Competency Statement:**

The nurse will safely and effectively care for a patient with Febrile Neutropenia

RCH references related to this competency: RCH Clinical Practice Guidelines: Febrile Neutropenia, Sepsis – Assessment and Management

1.	Locate and read the following clinical practice guidelines
	a. Febrile Neutropenia and
_	b. Septic Shock
2.	State the normal values
	a. Haemoglobin
	b. Platelets
	c. White Blood count
2	d. Neutrophils
	Describe the function of neutrophils Define the term febrile neutropenia
	Discuss the observations required during an admission for neutropenia
	Discuss the actions to be taken where observations are outside the normal range for the child'
0.	age
7.	Discuss the use of paracetamol and Ibuprofen in the care of children who have febril
· ·	neutropenia
8.	Explain the rationale for the following investigations as part of a septic work up
	a. Blood cultures
	b. Swabs – nose / throat / CVAD
	c. Urine
	d. Stool
9.	Explain which blood cultures need to be taken and how much blood you would take for a 20k child
10	. Discuss CVAD line set up for administration of antibiotics for the child with febrile neutropenia
	. Discuss the management of suspected febrile neutropenia on presentation to emergency
	. Discuss the management provided in the first 72 hours of admission for febrile neutropenia
	. State the antibiotics and dosages used as first line treatment for febrile neutropenia
	. Discuss treatment options for patients with unresolved fever
	. State the signs and symptoms of septic shock
16	. Identify potential sources/portals/causes of infection in patients with neutropenia and discus
17	ways to minimise the risk
1/	. List ways in which staff / parents and children can help prevent infection
1	Discuss/Demonstrate collection of blood cultures from a Central Venous Access Device

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Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

## Fluid Management (Cardiac Conditions)

#### **Competency Statement:**

The nurse safely and effectively manages fluids in patients with cardiac conditions

СОМРЕТЕ	ENCY ELEMENTS
<ul> <li>K</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> </ul>	Explain rationale for fluid restriction Discuss fluid allowance according to age/size Discuss the usual pattern of fluid restriction in the post-operative cardiac patient Explain the importance of accurate fluid balance maintenance State signs and symptoms of concern in regards to fluid imbalance Explain rationale for deciding how frequently a patient's balance should be calculated State three complications of over/under hydration in the patient with Congestive Cardiac Failure and or post-operative cardiac surgery and nursing actions to prevent or detect these State rationale for frequent monitoring of patient weight and demonstrate accurate documentation thereof Discuss factors to be considered when formulating an IV / feeding / drinking plan D. Explain factors to be considered when calculating intravenous fluid infusion rates including drug administration
<b>S</b> 1.	Demonstrate accurate fluid balance charting

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

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Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

### Haemodialysis Catheters - Basic Care

#### ALERT: Only trained Haemodialysis Nurses may access the lines

**Competency Statement:** 

The Nurse safely and effectively manages a child with a haemodialysis catheter

RCH references related to this competency: RCH Intranet: Nephrology - Protocols - Haemodialysis Protocol Index

23	<ol> <li>Locate and read the RCH Haemodialysis Protocol</li> <li>State the rationale for insertion of a haemodialysis catheter</li> <li>Describe the anatomy relevant to haemodialysis catheters including         <ul> <li>a. Arterial and venous lumens</li> <li>b. How to ascertain correct priming / flushing volumes</li> </ul> </li> </ol>
	a. Arterial and venous lumens
4	
4	b. How to ascertain correct priming / flushing volumes
4	bi non to abcortain con cee prinning / nacinng volanico
	4. State nursing responsibilities regarding the education of the child and their family including
	a. Warfarin Education
	b. Management of line at home
5	5. State the observations required on the child who has a haemodialysis catheter
6	5. State the mobility and activity restrictions for children with a haemodialysis catheter in situ
	and discuss the rationale for these
7	7. Identify the location of the protocol for making up a permcath heparin lock
8	<ol><li>State the rationale for aspirating the haemodialysis catheter prior to use</li></ol>
9	<ol><li>State the nursing responsibilities regarding dressings including:</li></ol>
	a. Assessment of the exit site
	b. Type of dressing to be used
	c. How often the dressing should be changed
	d. Procedure for performing a dressing change in absence of haemodialysis staff
1	10. State the rationale for having at least 10mls/hr minimum flow rate via permcath being used
	for an infusion (with consultant approval)

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:

Signature:

Date:

Assessor Name:

Signature:

## High Flow Nasal Prong (HFNP) Therapy

#### ALERT:

#### **Competency Statement:**

The nurse safely and competently manages a patient through initiation of, and weaning from, High Flow Nasal Prong therapy.

1. RCH references related to this competency: RCH Clinical Practice Guidelines: High Flow Nasal Prong therapy

СОМР	COMPETENCY ELEMENTS		
V	2.	Define HFNP therapy	
	3.	State the clinical indications for applying HFNP	
	4.	State the clinical contraindications to applying HFNP	
	5.	<ul> <li>State nursing care responsibilities for a patient receiving HFNP with regard to:</li> <li>Initiation</li> <li>Patient management</li> <li>Patient monitoring</li> <li>Documentation on EMR</li> <li>Weaning</li> </ul>	
	6.	Describe the potential complications of HFNP	
	7.	For Koala and Rosella nurses only: Discuss nursing considerations for a patient with Cyanotic/Acyanotic Heart Disease with regard to the administration of HFNP Air or Oxygen.	
S	1.	<ul> <li>Demonstrate use of the Airvo 2 with regard to:</li> <li>Function keys</li> <li>Start up</li> <li>Alarm identification and troubleshooting.</li> <li>Circuit selection and assembly</li> <li>Interface selection and assembly</li> <li>Nasal prong selection and application</li> <li>Cleaning and Disinfection</li> </ul>	
	2.	Differentiate:	
		<ul> <li>Paediatric circuit from adult circuit</li> <li>Paediatric mode from adult mode</li> </ul>	
	3.	<ul> <li>Paediatic mode from addit mode</li> <li>Demonstrate nursing care responsibilities for a patient receiving HFNP with regard to:         <ul> <li>Initiation</li> <li>Patient management</li> <li>Patient monitoring</li> <li>Using Flowsheets, add 'Airvo' as oxygen delivery device</li> <li>Documentation on EMR</li> <li>Weaning</li> </ul> </li> </ul>	

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency and I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

	Nurse Name:	Signature:	Date:	
Assessor Name: Signature: Date:	Assessor Name:	Signature:	Date:	

## Hypertension (Pulmonary Arterial)

#### **Competency Statement:**

The nurse safely and effectively cares for a patient with pulmonary arterial hypertension

RCH references related to this competency: RCH Intranet: Cardiology - intranet resources

СОМР	MPETENCY ELEMENTS	
	General	
K	1. Locate and read the Pulmonary Arterial Hypertension protocol	
	2. Discuss the physiology of Pulmonary Arterial Hypertension	
	Oral Medications	
	<ol> <li>Describe the reason for using Sildenafil in a child with Pulmonary Arterial Hypertension</li> <li>Identify the dosage of the drug and potential adverse reactions</li> </ol>	
	5. Describe the nursing considerations when administering Sildenafil	
	<ol> <li>Describe the reason for using Bosentan Monohydrate in a child with Pulmonary Arterial Hypertension</li> </ol>	
	<ol> <li>Discuss the potential adverse reactions of Bosentan Monohydrate and its use in Pulmonary hypertension</li> </ol>	
	8. State the paediatric dosing of Bosentan and its relationship to patient weight	
	<ol> <li>Discuss patient safety in relation to potential abnormalities in liver function and haemoglobin during Bosentan therapy and the importance of ongoing blood testing during therapy</li> </ol>	
	10. Discuss the nursing considerations when caring for the patient at commencement and increased doses of Bosentan	
	11. Discuss the guidelines for reconstituting Bosentan tablets for the young children / babies.	
	Intravenous Medication	
	<ul><li>12. Discuss the nursing responsibilities in caring for the child/young person and their family, who require an epoprostenol (Veletri/Flolan) infusion as part of their inpatient stay:</li><li>a. Long term CVAD management in relation to site care</li></ul>	
	b. Daily IV orders & documentation for Veletri/Flolan infusion	
	c. Dosing guidelines and recognition of side effects	
	d. Discharge planning and family education	
	Long Term Care	
	<ul><li>13. Describe the implications to the family regarding the ongoing care once discharged home.</li><li>14. Discuss the role of the multidisciplinary team in the ongoing care of child with Pulmonary Arterial Hypertension</li></ul>	
	For theatre only	
	15. Discuss the peri operative nursing management when patients are scheduled for an elective CV line / PICC insertion in theatre.	
	16. Describe the complications in theatres that may arise during an insertion 17. Discuss the surgical preparation for these scheduled cases	
S	<ol> <li>Demonstrate reconstitution of Veletri/Flolan into medication cassette</li> <li>Demonstrate cassette change instructions and management of stability issues of Veletri/Flolan</li> <li>Demonstrate changing of pump, batteries &amp; extension tubing</li> </ol>	
	or bennenetiete energing of pump, butteries a extension tubing	

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Signature:

Assessor Name:

#### Hypoplastic Left Heart Syndrome

#### **Competency Statement:**

The nurse safely and effectively cares for patients with HLHS.

СОМР	PETENCY ELEMENTS
Κ	<ol> <li>Describe the basic anatomy of HLHS</li> <li>Discuss how foetal circulation supports newborns with HLHS</li> <li>Outline the three main stages of palliative surgery this child will receive and the aim of each stage</li> </ol>
	<ol> <li>Discuss acceptable oxygen saturations for these patients at different stages of surgery</li> <li>Discuss why a patient with HLHS should not have saturations &gt;95%</li> <li>Discuss feeding issues for a patient with HLHS including         <ul> <li>a. Vocal Chord Palsy risks</li> <li>b. Poor Gut perfusion</li> </ul> </li> </ol>
	7. Discuss the social impact of HLHS on the patient and family
I have	e demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development an

maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:
<b>S</b> 1. Demonstrate caring for a considerations	child following 1 <sup>st</sup> Stage Palliative Su	rgery and discuss the nursing

Demonstrate caring for a child following 2<sup>nd</sup> Stage Palliative Surgery and discuss the nursing considerations
 Demonstrate caring for a child following 3<sup>rd</sup> Stage Palliative Surgery and discuss the nursing

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

Date:

considerations

## Monitoring – Advanced ECG

#### **Competency Statement:**

The nurse safely and effectively monitors an acutely unwell child fully utilizing the capability of the bedside monitor, central monitoring station and telemetry unit (where utilised)

ОМР	ETENCY ELEMENTS
Κ	<ol> <li>Locate and read the Telemetry Clinical Practice Guideline</li> <li>Discuss common patient categories which require Continuous Cardiac Monitoring (CCM) either by bedside and/or telemetry</li> <li>Describe what the ECG trace is representing</li> <li>Describe how monitor calculates HR, and RR</li> <li>Describe the function of the Trend screen when patient is on CCM</li> <li>Discuss what defines a Sinus Rhythm</li> <li>Recognise the following rhythms         <ul> <li>VT – Ventricular Tachycardia</li> <li>VF – Ventricular Fibrillation</li> <li>Heart block</li> </ul> </li> </ol>
5	<ul> <li>e. SVT - Supraventricular Tachycardia Ventricular Ectopics</li> <li>1. Demonstrate correct ECG dot placement for 3 and 5 lead monitoring and describe differin monitoring capabilities of same</li> <li>2. Demonstrate the entering of patient details in to the monitoring system including "Patien Paced" parameter and explain rationale for same</li> <li>3. Demonstrate changing lead trace (on monitor at bedside and telemetry) and discuss rational for same</li> <li>4. Demonstrate change size of ECG trace</li> <li>5. Demonstrate changing the scale on the Trend Screen</li> <li>6. Demonstrate how to calculate an ECG rate</li> <li>7. Print a continuous recording of an ECG</li> </ul>

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

## **Neonatal Assessment**

#### **Competency Statement:**

The nurse safely and effectively performs a comprehensive assessment on a neonate

СОМР	COMPETENCY ELEMENTS		
Κ	2. [	Explain when a neonatal assessment should be performed Describe the maternal history of the neonate being assessed Describe the labour and delivery of the neonate being assessed	
S	t	Performs a head to toe physical assessment of the neonate explaining the procedure using the following systems: a. Respiratory b. Cardiovascular c. Neurological d. Gastrointestinal e. Elimination f. Musculoskeletal Accurately document findings from the neonatal assessment	

I have demonstrated the necessary knowledge, skills, abilities, and attributes to be deemed competent in the competency above. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

## **Nasojejunal Tube Insertion & Management**

#### **Competency Statement:**

Κ

The safely and effectively insert and manages a transpyloric feeding tube

Element Exemptions: Medical Imaging (S6 & S8)

#### COMPETENCY ELEMENTS

- 1. Outline the rationale for transpyloric tube feeding
- 2. List the contra-indications for placing a tube
- 3. Outline the post insertion procedure requirements to be attended to
- 4. Describe how confirmation of tube placement will be determined
- 5. List the possible complications of tube insertion and use
- 6. Describe the rationale for the feeding method required with a tube in place
- 7. Describe the administration of medications via a tube
- 8. Outline the monitoring and ongoing care of the child with a tube in place

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:
<ul> <li>Demonstrate the preparation</li> <li>a. Correct equipment a</li> <li>b. Patient prepared</li> <li>2. Demonstrate the procedure</li> <li>3. Demonstrate accurate docu</li> </ul>	assembled	ement of tube

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

## **Neurological Observations**

**Competency Statement:** 

The nurse accurately and effectively performs neurological observations on paediatric patients

СОМР	COMPETENCY ELEMENTS			
Κ	<ol> <li>State the difference between performing neurological observations and a neurological assessment</li> <li>Discuss each component of neurological observations and how they assist in determining a patient's neurological condition         <ul> <li>Glasgow Coma Scale</li> <li>Pupils</li> <li>Limb strength</li> <li>Vital signs</li> </ul> </li> <li>Identify the preferred method of painful stimuli</li> <li>Describe decorticate and decerebrate posturing and what causes them</li> <li>Discuss how acquired or developmental intellectual impairment will affect the collection of accurate neurological observations</li> <li>List the signs and symptoms of raised ICP and how these change as the infant/child gets older</li> <li>Explain the Cushing Reflex</li> </ol>	a		
	<ol> <li>State the actions required if a patient has deterioration in neurological status</li> <li>Assemble the equipment required to perform neurological observations</li> </ol>			
S	<ul> <li>Assemble the equipment required to perform hedrological observations</li> <li>5. Demonstrate neurological observations on paediatric patients in the following age groups: <ul> <li>a. Infant (&lt;1year)</li> <li>b. 1 - 4 year</li> <li>c. 5 - 12 year</li> <li>d. 12 + years</li> </ul> </li> </ul>			

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Signature:

## **Nutrition (Parenteral)**

#### ALERT: The CVAD management competency should be completed in conjunction with this competency

#### Competency Statement:

The nurse safely and effectively administers Parenteral Nutrition

Element Exemptions: Koala and Cancer Care Unit (K6a-b and S2b)

1.	Locate & read the
	a. Parenteral Nutrition Clinical Guideline (Hospital
	b. Parenteral Nutrition (PN) Cue Card
	State the general indications for use of PN
3.	Identify members of the multidisciplinary team involved in the care of this patient group, including each member's role
4.	Identify at least five components which can be found in the PN solution
	State the ideal IV access for patients receiving
	a. Low dextrose nutrient solutions
	b. High dextrose nutrient solutions
6.	Discuss the differences between hospital PN & Baxter PN for the following
	a. Fluid prescription and documentation
	b. Preparation & administration
7.	Discuss the ongoing care requirements and management of patients receiving PN
	a. commencing
	b. ceasing
	c. weaning
	d. frequency of monitoring:
	i. Bloods
	ii. Urine
	iii. Weight
	iv. CVAD
~	v. Documentation
8.	Discuss how to administer non-compatible IV antibiotics to a patient receiving high dextrose PN solution
9.	Discuss the correct action to be taken in the event that the nutrient solution finishes prior to
	the next bag being delivered from pharmacy
13	State the maximum amount of potassium to be placed in a PN bag.
1.	Demonstrate checking of IV medication compatibility with PN prior to medication administration
n	
Ζ.	Demonstrate IV line assembly & priming for the patient receiving a. Hospital PN Solution
	b. Baxter PN Solution
3.	Demonstrate programming of IV pumps for all stages of weaning on & off PN

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

 Nurse Name:
 Signature:
 Date:

 Assessor Name:
 Signature:
 Date:

## **Pacing Wires – Temporary Non-paced Patient**

**Competency Statement:** 

The nurse safely and effectively cares for a non-paced patient with temporary pacing wires

СОМР	COMPETENCY ELEMENTS		
	1.	Identify need for and location of Temporary Pacing Wires	
	2.	Distinguish between and identify indications for use of:	
		a. Quad wires (non-redo) and Single (skin / redo) wires	
		b. Atrial and Ventricular wires	
		c Dermal wires	
	3.	Discuss precautions required to ensure electrical safety	
	4.	Discuss the importance of pacing wires in an event of cardiac emergency	
	5.	Discuss the relevance of temporary pacing wires for any permanent pacemaker procedures in theatres.	
	6.	Describe the assessment required for the pacing wire site and dressings.	
	7.	State the precautions prior to removal and rationale for removal on day 4-5	
	8.	State three complications of removal of Pacing Wires and nursing actions to prevent or detect these	
	9.	Discuss follow up of patient post removal of pacing wires	

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:
	Signature.	Date.

S	1. 2.	Demonstrate care of the patient with pacing wires but not paced Demonstrate the correct way to insert pacing wire ends into the protectors and explain the rationale
	3.	Demonstrate removal of pacing wires, following Clinical Practice Guidelines

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

## **Pacing Wires – Temporary Paced Patient**

#### **Competency Statement:**

The nurse safely and effectively cares for a paced patient with temporary pacing wires

СОМР	COMPETENCY ELEMENTS	
	1. Identify common reasons for Temporary Pacing	
K	2. Distinguish between atrial, ventricular and skin wires	
	3. Define the terms "output" and "sensitivity"	
	4. Discuss commonly used pacing modes	
	a. AOO	
	b. DDD	
	c. AAI	
	d. VVI	
	5. State precautions necessary to be taken to ensure patient safety	
	6. Identify the start of shift checks required for the paced patient	
	7. Describe how to assess the effectiveness of pacing	
	8. Identify the following complications, stating the causes and appropriate actions for	
	a. Failure to sense	
	b. Failure to capture	
	c. Failure to pace	
	d. Competition	
	9. Describe nursing practice required when pacing is being decreased or ceased	

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

S	1. 2.	Demonstrate how you would set up a monitor for a patient being paced Demonstrate accurate documentation and observation of pacemaker use, and explain
		rationale for same
	3.	Demonstrate a Temporary PaceMaker battery change

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	

## Pain (Analgesia Infusion)

#### **Competency Statement:**

The nurse will safely and effectively administer analgesia infusions

**RCH references related to this competency:** RCH Intranet: Surgery – Acute Pain Management CPMS – Ketamine Infusion, Surgery – Acute Pain Management CPMS – Opioid Infusion – CPG – Neonatal Pain Assessment

СОМР	COMPETENCY ELEMENTS		
K	<ul> <li>Locate and read the RCH <ul> <li>a. Opioid Infusion Guidelines</li> <li>b. Ketamine Infusion Guidelines</li> </ul> </li> <li>Describe the pharmacokinetics of the analgesia infusion</li> <li>B. Discuss the potential side effects of analgesia infusions</li> <li>State the minimal clinical observations required for a patient receiving an analgesia infusion</li> <li>Discuss reportable parameters</li> <li>Discuss nursing actions to take if pain escalates</li> <li>Discuss when to give analgesia boluses and when to increase analgesia infusions</li> <li>State when, why and how much naloxone should be given for opioid induced pruritus, sedatio and respiratory depression</li> <li>Locate and complete the opioid primary competency quiz</li> </ul>		
S	<ul> <li>Demonstrate pain assessment with an understanding of child development, language an appropriate pain assessment tools, ie Numeric, Wong-Baker Faces, FLACC, mPAT.</li> <li>Demonstrate accurate documentation of observations and assessment</li> <li>Demonstrate correct set up of analgesia infusion pumps</li> <li>Demonstrate explanation, answering questions and confirmation of understanding with famil</li> </ul>		

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

## Pain – Epidural/Regional Analgesia

#### **Competency Statement:**

The nurse safely and effectively administer epidural or regional infusions

**RCH references related to this competency:** RCH Intranet: Surgery – Anaesthesia & Pain Management – Epidural infusion, Surgery – Anaesthesia & Pain Management – Regional Anaesthetic Infusion Blocks

СОМР	COMPETENCY ELEMENTS		
Κ	<ol> <li>Locate and read the RCH Epidural and Regional Analgesia Guidelines</li> <li>Describe the pharmacokinetics of the local anaesthetic and additives</li> <li>Discuss the potential side effects of the local anaesthetic and explain the signs and symptoms</li> <li>Describe the components of epidural / regional lines</li> <li>Discuss the importance of the markings of the epidural / regional catheters</li> <li>State the minimum observations for a patient receiving an epidural</li> <li>Discuss reportable parameters</li> <li>Explain the potential complications of an epidural</li> <li>Discuss the importance of pressure care for patients with an epidural</li> <li>Discuss the relevance of a high or low epidural sensory blockade</li> <li>Describe the removal of the epidural / regional catheter, observations during the procedure and where and what to document</li> <li>Locate and complete the epidural primary competency quiz</li> </ol>		

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

1. Demonstrate set up and programming on the epidural / regional pump

2. Demonstrate how and when to assess and document dermatomes and bromage

3. Demonstrate accurate documentation of observations and assessment

4. Demonstrate explanation, answering questions and confirmation of understanding with the family

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Signature:

Assessor Name:

## Pain (Patient Controlled Analgesia)

#### **Competency Statement:**

The nurse will safely and effectively administer patient controlled analgesia (PCA)

RCH references related to this competency: RCH Clinical Guidelines: Patient Controlled Analgesia

COMPETENCY ELEMENTS		
K	<ol> <li>Locate and read the RCH Patient Controlled Analgesia Guidelines</li> <li>Describes the pharmacokinetics of the opioid analgesia used</li> <li>Discuss the potential side effects of PCA</li> <li>Describe the PCA pump program and demonstrates where the prescribed program is documented</li> </ol>	
	<ol> <li>State the minimum observations for a patient receiving a PCA and recognizes reportable parameters</li> </ol>	
	<ul> <li>6. Discuss the nursing actions to take if pain escalates</li> <li>7. Discuss when, why and how much naloxone should be given for opioid induced pruritus, sedation and respiratory depression</li> <li>8. Discuss how to transition from a PCA to oral analgesia</li> </ul>	

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:		Signature:	Date:	
Assessor	- Name:	Signature:	Date:	
S	<ol> <li>Demonstrate a pain asses</li> <li>Demonstrate accurate doc</li> <li>Demonstrate explanation.</li> </ol>		nation of understanding with	

family 4. Locate and complete the PCA primary competency quiz

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:	

Signature:

Date:

RCH Nursing Competency Workbook – Chapter 3

## **Peritoneal Dialysis (Automated)**

#### **Competency Statement:**

Г

The nurse will safely and effectively care for a patient requiring Automated Peritoneal Dialysis

RCH references related to this competency: RCH Intranet: Nephrology – Protocols – Index Peritoneal Dialysis Protocol Manual

COMF	PETENCY ELEMENTS
K	<ol> <li>Complete Basic Renal and the Peritoneal Dialysis (PD) Learning Package (available on Koala)</li> <li>Locate all policies and procedures associated with PD</li> <li>Identify the rationale for Automated PD</li> <li>Discuss PD dialysate and available concentrations at RCH</li> <li>Discuss the role of the members of the multidisciplinary team involved in the care of renal patients</li> </ol>
	6. Discuss the steps involved in ending the therapy early
	7. Discuss the steps involved in obtaining an effluent sample
	8. Discuss managing machine alarms
	9. State nursing responsibilities if alarms cannot be resolved
	10. Discuss nursing responsibilities with regards to documentation including
	a. Recording the initial drain
	b. Recording the total ultra filtrate
	<ul> <li>Obtaining and recording cycle by cycle ultra filtrate</li> </ul>
	d. Obtaining a dry weight
	e. Maintaining an accurate fluid balance chart
	11. Discuss the potential risks and complications to the child due to being on Peritoneal Dialysis

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio Nurse Name: Signature: Date:

	orginataren	Bater
Assessor Name:	Signature:	Date:
1. Locate	and assemble all necessary equipment	
	strate the steps involved in starting the therapy including	
	Aseptic non-touch technique	
	Gathering the correct supplies	
с.	Checking the solution bags	
	Reviewing and changing the programme	
3. Demor	strate the steps involved in setting up the Sleep Safe including	
a.	Preparing the correct set (Adults / Paediatric)	
	Loading the cassette in the Sleep Safe	
	Change the program from Adults to Paediatrics	
	strate the steps involved in preparing the solution bags including	
	Opening the bags. Mixing solution and hanging on trolley hooks	
	Opening the lines and placing appropriately in the drawer	
	strate connecting drain bag and priming line	
	strate connecting the Sleep Safe to the patient	
	Placing patient line in Sleep Safe Organiser	
	Placing patient extension in Sleep Safe Organiser	
	Removing Cap off patient line	
	Removing disinfection cap from patient extension and connecting	to the patient line
	strate the steps in ending the therapy including	
	Retrieving the dialysis information	
	Disconnecting from the sleep safe and applying the disinfection c	ар
	Discarding set and disposing of used dialysate	
8. Discus	s the appropriate drain bag usage	

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	

## Peritoneal Dialysis (Manual)

#### **Competency Statement:**

The nurse safely and effectively cares for patients who require manual peritoneal dialysis

RCH references related to this competency: RCH Intranet: Nephrology – Protocols – Index Peritoneal Dialysis Protocol Manual

## COMPETENCY ELEMENTS

- Complete the Basic Renal and Peritoneal Dialysis (PD) Learning Package (available on Koala)
   Locate all policies and procedures associated with PD
  - 3. Identify the rationale for manual PD
  - 4. Discuss importance of maintaining accurate fluid balance
  - 5. Discuss importance of daily weighs
  - 6. Discuss the rationale for monitoring patient electrolytes

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:	
Assessor Name:	Signature:	Date:	
Г			
<ul> <li>Locate all necessary ed</li> <li>Demonstrate the corre</li> </ul>			

- a. Warming bags or line warmer
- b. Assembling equipment and priming the set (paediatric burette set vs manual dial)
- c. Connecting and disconnecting patient to and from the set
- d. Performing a dialysis cycle
- e. Changing the bag
- f. Performing exit site care
- g. Administering medications to dialysate bags
- h. Collecting specimens
- 3. Demonstrate correct documentation

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:

Signature:

Date:

Date:

Assessor Name:

Signature:

### Phototherapy

#### **Competency Statement:**

The nurse safely and effectively cares for a neonate requiring phototherapy

1.	Identify 4 risk factors for or causes of neonatal jaundice
2.	State the difference in serum bilirubin (SBR) levels
	a. conjugated
	b. unconjugated
3.	Discuss the action of phototherapy light in reducing SBR
4.	Identify the major complication of hyperbilirubinaemia and state the signs and symptoms
5.	State 2 methods available to deliver phototherapy
6.	Discuss nursing care required including:
	<ul> <li>assessment of jaundice and effect of blue light therapy</li> </ul>
	b. response to therapy and specifics of blood specimen collection to monitor SBR
	c. temperature assessment and control under radiant warmer or incubator
	d. hydration status assessment and altered fluid requirements
	e. stooling pattern alteration and associated hygiene needs
	f. comfort and developmental needs of the neonate receiving phototherapy
7.	Discuss and demonstrate ways in which parents can be involved in the care of their chil
	receiving phototherapy

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

S	1.	Correctly assess the indication for phototherapy based on acceptable SBR range for neonate's gestation and postnatal age, and correctly plot SBR on chart
	2.	Assemble and operate phototherapy lights safely and effectively
		a. position lights at correct height and provide rationale
		<li>b. position the neonate to maximise light exposure</li>
	3.	···· ··· / ····· · ······· · ······ · · · · · · ·
	4.	Demonstrate explanations and confirmation of understanding with parents

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

## Procedural Sedation Nitrous Oxide competency – skill

ALERT: This competency should follow the procedural sedation nitrous oxide competency – theory component. Nurses must attain the competency elements INDEPENDENTLY in order to be considered competent

**Competency statement:** The nurse assesses and prepares a child and family for a procedure and safely and effectively administers nitrous oxide throughout the sedation period

**RCH references related to this competency:** RCH Website - Comfort Kids – For Health Professionals – nitrous oxide Accreditation Process RCH CPG Sedation-Procedural Sedation-Ward & Ambulatory areas and RCH CPG Procedural Pain Management.

СОМР	ETENCY ELEMENTS
Κ	<ol> <li>State when the sedation period starts and ends</li> <li>State how to assess and maintain a patent airway for your patient</li> <li>State the function of the nitrous oxide delivery unit, include all components</li> <li>State the two built in safety features on the nitrous oxide delivery unit, include the rationale</li> <li>Identify the appropriate time and support personnel to delivery nitrous oxide</li> </ol>
S	<ol> <li>Complete EPIC Sedation Documentation – Pre Sedation Check list:         <ul> <li>a. Identify risk and to meet the criteria for nitrous oxide administration</li> <li>b. Obtain informed verbal consent and provide information (fact sheet)</li> <li>c. Obtain an order for nitrous oxide+/-additional analgesic+/- Topical LA</li> </ul> </li> <li>Demonstrate patient assessment, including correct sizing of the facemask</li> <li>Demonstrate the safety checks for the nitrous oxide delivery unit and assemble the disposable components of the unit, prior to the sedation event</li> <li>Demonstrate preparation of treatment area and emergency equipment prior to the sedation event</li> <li>Demonstrate preparation of treatment area and emergency equipment prior to the sedation event</li> <li>Demonstrate new to turn on the scavenging system for the nitrous oxide gas and ensure compliance with Occupation Health and Safety standards</li> <li>Demonstrate leadership as the "Sedationist":         <ul> <li>Clarify the roles of staff and family, prior to the sedation event</li> <li>State when the child is ready for the procedure to begin</li> <li>Direct staff and family, maintaining one leader and a calm environment</li> </ul> </li> <li>Demonstrate continuous monitoring of vital signs and UMSS</li> <li>Deliver nitrous oxide making adjustment to:</li></ol>
L	

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in independently administering nitrous oxide. The minimum recommended number of supervised nitrous oxide events, achieving independent administration, was undertaken and documented below. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:	Signature:

<b>Record of Nitrous Oxide Administration</b> The recommended number of supervised nitrous oxide sedation events is based on prior experience of nitrou oxide administration. Refer to-Comfort Kids Website-For health professionals - nitrous oxide accreditation proces			
Event	Feedback	Outcome for Event	Assessor
Number	Prompts required	Assisted - Repeat	Signature &
& Date	Areas to improve	Independent - Competent	Designation
	,	· · ·	5

## **Procedural Sedation Nitrous Oxide competency – theory**

#### ALERT: This competency should precede the procedural sedation nitrous oxide competency – skill component. Completion of this competency in isolation does not indicate the nurse's competency to administer nitrous oxide

**Competency statement:** The nurse has the requisite knowledge to assess and prepare a child and family for nitrous oxide sedation and to safely and effectively administers nitrous oxide throughout the sedation period **RCH references related to this competency:** RCH Website - Comfort Kids – For Health Professionals – nitrous oxide Accreditation Process RCH CPG Sedation-Procedural Sedation-Ward & Ambulatory areas and RCH CPG Procedural Pain Management.

#### COMPETENCY ELEMENTS

#### 1. Locate and read a. CPG S

- a. CPG Sedation-Procedural Sedation-Ward & Ambulatory areas
- b. CPG Procedural Pain Management
- c. Procedural Sedation learning guide for healthcare professionals
- d. Orientation package for nitrous oxide
- e. EPIC Sedation Documentation
- 2. Discuss the role and responsibility of the "Sedationist"
- 3. Describe the pharmacological effects of nitrous oxide
- 4. Outline the fasting guidelines for nitrous oxide and the consent process
- 5. State the three RCH services available to provide procedural sedation advice/consultation and when this is required
- 6. Describe how to prepare a child/family for a nitrous oxide sedation event
- 7. State any specific variation to nitrous oxide delivery or documentation that applies to your area ( DMU, PICU )
- 8. Describe what considerations should be taken when administering nitrous oxide with another primary sedation agent or an opioid medication
- 9. State the appropriate gas flow rate ( L/min ) and reservoir bag size (L) for a child and adolescent
- 10. State what is required and the rationale for:
  - a. Risk assessment
  - b. Exclusion criteria
  - c. Monitoring Baseline and ongoing observation of vital signs
  - d. Continual assessment of UMSS and maintaining verbal contact
  - e. Line of sight clinical observation and appropriate staffing
  - f. Maintaining a quiet environment
  - g. Falls prevention
  - h. Time out and positive identification
  - i. Emergency equipment
  - j. Occupational Health and Safety
  - k. nitrous oxide storage
  - I. Post sedation discharge criteria
  - m. Documentation and reporting of adverse events
- 11. State the action required for:
  - a. Equipment faults
    - b. Loss of nitrous oxide or oxygen gas flow
  - c. Failure to sedate or adequate analgesic effect
- 12. Describe the management and possible prevention of:
  - a. Patient who is combative including loss of facemask seal
  - b. Patient who complains of nausea or vomits
  - c. Patient who desaturates, is apnoeic or respiratory depressed
  - d. Patient who is distress from double vision or hallucinations
  - e. Patient who is excessive drooling or excessively sweating
  - f. Patient who progresses to an unintended deeper level of sedation
  - g. Patient who is coughing or develops respiratory distress include airway obstruction and laryngospasm
  - h. Patient who has impaired coordination / balance
- 13. State the maximum time of administration (minutes) recommended for a nitrous oxide procedural sedation event
- 14. State the location of the emergency equipment in your area

Not Applicable

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

## Procedural Sedation Intravenous Midazolam competency – theory

ALERT: This competency should precede the procedural sedation Intravenous Midazolam competency – skill. Completion of this competency in isolation does not indicate the nurse's competency to administer Intravenous Midazolam

#### Competency statement

The nurse has the requisite knowledge to assess and prepare a child and family for an Intravenous Midazolam sedation event and to safely and effectively administer Intravenous Midazolam throughout the sedation period

**RCH references related to this competency:** RCH Website - Comfort Kids – For Health Professionals – Intravenous Midazolam Accreditation Process. RCH CPG Sedation-Procedural Sedation-Ward & Ambulatory areas and RCH CPG Procedural Pain Management.

СОМР	PETENCY ELEMENTS
	1. Locate and read
Κ	<ul> <li>f. CPG Sedation-Procedural Sedation-Ward &amp; Ambulatory areas</li> <li>g. CPG Procedural Pain Management</li> </ul>
	<ul><li>h. Procedural sedation learning guide for healthcare professionals</li><li>i. Comfort Kids Intravenous (IV) Midazolam for procedures poster</li></ul>
	2. Discuss the role and responsibility of the "Sedationist" for an IV Midazolam procedural sedation event
	3. State when it would be appropriate to use IV Midazolam in your area and for which patient groups IV Midazolam is used
	4. Identify the reversal agent for IV Midazolam, include the location and how to administer this agent
	5. List the 3 effects (pharmacodynamics) of IV Midazolam and the expected patient response
	6. State the onset of action and duration of effect for IV Midazolam
	<ul> <li>7. State the dose of IV Midazolam in 10mls of 0.9% normal saline for:</li> <li>a. Children &gt;6 months and &lt;12 months</li> <li>b. Children &gt;12months &lt;50kg</li> </ul>
	c. Children weighing >50kg
	<ul> <li>8. State the bolus regime and maximum total dose of IV Midazolam for:</li> <li>a. Children &gt;6 months and &lt;12 months</li> <li>b. Children &gt;12months &lt;50kg</li> </ul>
	c. Children weighing >50kg
	9. Outline the fasting guidelines for IV Midazolam and the consent process 10. State the three RCH services available to provide procedural sedation
	advice/consultation and when this is required 11. Describe how to prepare a child & family for a IV Midazolam sedation event 12. Describe what considerations should be taken when administering IV
	Midazolam with an opioid medication
	<ul><li>13. Identify the interaction and risks associated with IV Midazolam and the following; antihistamine, benzodiazepine or antihypertensive medication</li><li>14. State what is required and the rationale for:</li></ul>
	a. Risk assessment
	<ul> <li>b. Exclusion criteria</li> <li>c. Monitoring - Baseline and ongoing observation of vital signs</li> </ul>
	d. Continual assessment of UMSS and maintaining verbal contact e. Line of sight clinical observation and appropriate staffing
	f. Maintaining a quiet environment g. Falls prevention
	h. Time out and positive identification
	i. Emergency equipment
	j. End of sedation and discharge criteria
	k. Documentation and reporting of adverse events
	15. Describe the management and possible prevention for:
	a. Patient who develops hiccups
	b. Patient who becomes hypotensive
	c. Patient who complains of nausea or vomits
	<ul> <li>d. Patient who desaturates, is apnoeic or respiratory depressed</li> <li>e. Patient who experiences delirium or paradoxical agitation</li> <li>f. Patient who progresses to an unintended deeper level of sedation</li> </ul>

	g. Patient who develops respiratory distress - include airway obstruction and laryngospasm h. Patient who has impaired coordination / balance
	16. State the location of the emergency equipment in your area
S	Not Applicable

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:
Assessor name.	Signature.	Dale.

### Procedural Sedation Intravenous Midazolam competency – skill

ALERT: This competency should follow the procedural sedation IV Midazolam competency– theory component. Nurses must attain the competency elements INDEPENDENTLY in order to be considered competent

#### **Competency statement**

The nurse assesses and prepares a child and family for an Intravenous Midazolam sedation event and safely and effectively administers IV Midazolam throughout the sedation period

**RCH references related to this competency:** RCH Website - Comfort Kids – For Health Professionals – Intravenous Midazolam Accreditation Process. RCH CPG Sedation-Procedural Sedation-Ward & Ambulatory areas and RCH CPG Procedural Pain Management.

COMP	PETENCY ELEMENTS
K	<ol> <li>State when the sedation period starts and ends</li> <li>Identify the appropriate time &amp; support personnel to delivery IV Midazolam</li> <li>State how to assess and maintain a patent airway for your patient</li> </ol>
S	<ol> <li>Complete EPIC Pre Sedation Documentation Checklist:         <ul> <li>Identify risk &amp; ensure the patient meets the criteria for IV Midazolam b. Obtain informed verbal consent and provide information (fact sheet) c. Obtain an order for IV Midazolam +/- analgesic +/- Topical LA</li> <li>Demonstrate patient assessment for a procedural sedation event</li> <li>Demonstrate preparation of the child and parent, prior to the sedation event</li> <li>Demonstrate preparation of treatment area and emergency equipment prior to the sedation event</li> <li>Demonstrate Time out or Positive Patient Identification</li> <li>Clarify the roles of staff and family, prior to the sedation event</li> <li>State when the child is ready for the procedure to begin</li> <li>Direct staff and family, maintaining one leader and a calm environment</li> <li>Demonstrate accurate and safe delivery of IV Midazolam for the patient and dilutes this dose to the correct concentration</li> <li>Demonstrate continuous monitoring of vital signs and UMSS, documenting as per EPIC Sedation Documentation</li> <li>Demonstrate continuous monitoring of vital signs and UMSS, documenting as per EPIC Sedation period" assessment including level of alertness and return to baseline vital signs</li> <li>Demonstrate handover of patient when indicated</li> <li>Complete all documentation for the sedation event and return to baseline vital signs</li> </ul> </li> </ol>

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in independently administering IV Midazolam. The minimum recommended number of supervised IV Midazolam events, achieving independent administration, was undertaken and documented below. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

Event	Feedback	Outcome for Event	Assessor
Number	Prompts required	Assisted - Repeat	Signature &
& Date	Areas to improve	Independent - Competent	Designation

## Prostaglandin (Prostin) Infusion

### **Competency Statement:**

The nurse safely and effectively cares for a patient on Prostaglandin

**RCH references related to this competency:** RCH Clinical Practice Guidelines: Prostaglandin Management; RCH Intranet: Cardiology – Intranet Resources – Prostaglandin Protocol

	<ol> <li>Locate and read the         <ul> <li>a. Prostaglandin Management Guidelines clinical practice guideline</li> <li>b. Prostaglandin (Koala ) protocol</li> </ul> </li> <li>Discuss foetal circulation and the changes that occur at birth</li> </ol>
ſ	2. Discussification and the changes that occur at birth
3	3. State indications for a Prostaglandin Infusion and the relevance of "duct dependent circulation
2	4. Identify 3 conditions where a Prostaglandin Infusion would be necessary
	5. State what the normal drug dosage and dosage accepted on the ward, PICU and NICU
e	6. Identify methods of administration
-	<ol><li>Describe why it is important to have 2 forms of IV access when a patient is on a Prostagland Infusion</li></ol>
8	8. State common side effects of Prostaglandin
9	9. State the nursing considerations for caring for a patient on Prostaglandin
1	10. Discuss physiological changes in patient conditions that would need to be reported
1	11. Discuss why a patient on Prostaglandin may be kept Nil by Mouth

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

Demonstrate the ability to calculate required rate and dosage
 Prepare room and equipment for neonatal admission on Prostaglandin

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

### **Respiratory Assessment and Illness**

### **Competency Statement:**

The nurse safely and effectively performs a comprehensive paediatric respiratory assessment and discusses the pathophysiology and management of common paediatric respiratory illnesses.

**RCH references related to this competency:** RCH Clinical Practice Guidelines: Asthma, Bronchiolitis, Croup, Pertussis, Pneumonia; RCH Emergency Department Respiratory Learning Package

### **COMPETENCY ELEMENTS**

- 1. Locate and read: a. RCH E
  - a. RCH Emergency Department Respiratory Learning Package
  - b. Asthma clinical practice guideline
  - c. Bronchiolitis clinical practice guideline
  - d. Croup clinical practice guideline
  - e. Pneumonia clinical practice guideline
  - f. Pertussis clinical practice guideline
  - 2. Describe the anatomical & physiological differences between a paediatric and adult airway.
  - 3. Describe the anatomical & physiological differences in relation to the respiratory system for
    - a. infant
    - b. small child
    - c. older child
  - 4. State the normal values for respiratory rates in an
    - a. infant
    - b. small child
    - c. older child
  - 5. Discuss preparation of the environment, equipment, and child for respiratory assessment
  - 6. Identify and state significance of respiratory noises
    - a. Wheeze
    - b. Stridor
    - c. Crackles: Course / fine
    - d. Grunting
  - 7. State the signs and symptoms of mild, moderate, severe respiratory distress
  - 8. Discuss oxygen saturation monitoring in relation to respiratory assessment and illness
  - 9. Discuss the relationship between pulse oximetry and the oxyhaemoglobin dissociation curve.
  - 10. Describe the pathophysiology underlying common respiratory conditions:
    - a. Asthma
      - b. Bronchiolitis
      - c. Pneumonia
      - d. Croup
      - e. Pertussis

### 11. Discuss interventions/management of common respiratory conditions:

- a. Asthma
  - b. Bronchiolitis
  - c. Pneumonia
  - d. Croup
  - e. Pertussis
- 12. Describe clinical indications and rationale for commencing oxygen therapy
- 13. Describe process for escalating care of a patient who develops an oxygen requirement
- 14. Describe observation regime for patients when weaning oxygen therapy.

	1.	Demonstrate effective respiratory assessment in relation to:
S		a. Level of consciousness
		b. Inspection (Look)
		c. Auscultation (Listen)
		d. Palpation (Feel)
		e. History Taking
		f. Effort & Efficiency of breathing
	2.	Accurately document findings of respiratory assessment:
		a. Air entry
		b. Respiratory rate and character
		c. Rise and fall of chest wall
		d. Normal sounds on auscultation
		e. Work of breathing
		f. Landmarks and sequence for auscultation
		g. Use of accessory muscles
	3.	Demonstrate effective use of spacer for different age groups
	4.	Demonstrate asthma education to parents / caregivers
Nurse I	Decl	aration

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

## **Resuscitation – Advanced Paediatric**

### **Competency Statement:**

The nurse safely, efficiently and effectively performs advanced cardiopulmonary resuscitation on the infant and child

COMP	PETENCY ELEMENTS
	Initial Assessment
K	1. Outline the process to raise an alert and activate a MET call
	Airway and breathing
	2. Cite indications for use of the Guedel (Oropharyngeal) airway
	3. Identify rhythms requiring compressions
	Intubation
	4. Describe correct priorities for assisting at intubation
	5. Identify correct procedure for confirming ETT placement
	Medication and Fluid administration
	6. Identify the primary resus drug and fluid and the preferred routes
	Defibrillation
	7. Identify rhythms requiring defibrillation
	8. Identify correct joules and sequence
	9. Discuss the 2010 evidenced based Universal Cardiac Arrest Algorithm in paediatrics
-	10. Discuss how Family Centred Care can be provided when the child requires resuscitation
	Initial Assessment
S	1. Demonstrate initial assessment of the patients conscious state
	Airway and breathing
	2. Demonstrate assessment or airway and breathing using the "look, listen and feel" process
	3. Perform manoeuvres to open the airway specific to the age group
	4. Demonstrate effective clearance of the airway
	5. Provides effective bag and mask ventilation with
	a. Correct size mask
	b. Adequate oxygen flow
	c. Good chest inflation
	6. Demonstrate correct de-emphasis on checking for pulse
	7. Demonstrate immediate provision of cardiac massage
	8. Demonstrate safe and effective cardiac massage technique
	a. Adequate rate and ratio
	b. Adequate depth in correct position
	c. Allowing full chest recoil
	d. Minimising interruptions
	e. Co-Ordination of compressions and breaths
	f. Determines the effectiveness of compressions
	g. Importance of Backboard in situ
	Intubation
	9. Assemble the correct equipment and information to enable intubation
	a. Airway equipment
	b. Weight calculation
	c. ETT tube size and length
	Medication administration
	10. Prepare the correct drugs and dosages for resuscitation
	11. Prepare the correct fluid and volume to be administered
	12. Demonstrate the correct calculation and preparation for infusions of Dobutamine and
	Noradrenaline
	Defibrillation
	13. Demonstrate correct use of the manual biphasic defibrillator to safely and effectively deliver
	the electrical energy with minimal interruptions to compressions
	14. Demonstrate correct dialogue required prior to Defibrillation to ensure electrical safety
	15. Accurately document cardiopulmonary resuscitation

Nurse Declaration on next page

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

## Supraventricular Tachycardia

#### **Competency Statement:**

Κ

The nurse discusses supraventricular tachycardia (SVT), including electrophysiology, interventions, medication and monitoring

### COMPETENCY ELEMENTS

- 1. Identify SVT Rhythm
  - 2. Identify common patient categories who develop / likely to develop SVT
  - 3. Discuss common anti arrhythmic drugs used to treat SVT's
  - 4. Describe the dosage and administration requirements of IV Adenosine
  - 5. Discuss potential complications of prolonged SVT and / or unsuccessful reversion
  - 6. Discuss monitoring requirements of a patient with SVT
  - 7. Discuss the SVT education you would provide to parents
  - 8. Discuss use of defibrillator or overdrive pacing in the treatment of SVT
  - 9. Discuss post cardio version care

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse N	lame:	Signature:	Date:
Assesso	or Name:	Signature:	Date:
S	1. Demonstrate how to adminis	ter IV adenosine	

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:

Assessor Name:

Signature:

Signature:

Date:

### **Surgical Drains**

#### **Competency Statement:**

The nurse safely and effectively cares for a patient with a surgical drain

COMPETENCY ELEMENTS	
<b>(</b>	Locate and read the following Clinical Practice Guidelines: Surgical Drains and Pleural and mediastinal drain management after cardiothoracic surgery
2.	Identify reasons why a surgical drain might be inserted
3.	Identify the following surgical drains
	a. Jackson – Pratt
	b. Redivac
	c. Mini – Vac
4.	State how it would be evident if each of the above drains was on suction
5.	Explain the correct procedure to address a Redivac which is not patent
6.	State how frequently a surgical drain should be measured and / or emptied
7.	Discuss two potential complications of surgical drains
8.	List four signs indicating infection of a surgical drain site
9.	Discuss the rationale for removal of a surgical drain

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse I	Nurse Name: Signature: Date:		Date:
Assess	or Name:	Signature:	Date:
S	<ol> <li>Demonstrate emptying a Ja</li> <li>Demonstrate emptying a M</li> <li>Demonstrate correct proce</li> </ol>		asurement of a Redivac drain

4. Demonstrate wound care for Surgical drain site and documentation required

5. Demonstrate removal of surgical drain

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

# Thermoregulation (Neonates)

#### **Competency Statement:**

The nurse provides safe and effective thermoregulation nursing care for neonates and infants.

**Element Exemptions:** Banksia, Cockatoo, Dolphin, Emergency, Kelpie, Koala, Kookaburra, Medical Imaging, Perioperative, Platypus, Possum, RCH@Home, Rosella, Sugar Glider (K10); Banksia, Cockatoo, Dolphin, Emergency, Kelpie, Koala, Kookaburra, Medical Imaging, Perioperative, Platypus, Possum, RCH@Home, Sugar Glider (S5-7)

### **COMPETENCY ELEMENTS**

	Thermoregulation Overview
Κ	1. State the normal range for

- 1. State the normal range for axilla and rectal temperatures in a neonate or infant
- 2. State to correct technique for obtaining a rectal temperature in children under 3 months of age
  - 3. Define neutral thermal environment (NTE)
- 4. Explain the four mechanisms of heat loss and state two strategies to prevent heat loss for each of the four mechanisms
- 5. State risk factors for temperature imbalance in neonates/infants
- 6. Discuss cold stress and impact this has on the critically ill neonate/infant
- 7. Outline the nursing management for hypothermia
- 8. Define hyperthermia and describe the assessment findings in the neonate/infant
- 9. Outline the nursing management for hyperthermia
- 10. Describe the advantages/disadvantages of
  - a. Radiant warmer
  - b. Incubator
- 11. Explain how nursing an extremely low birth weight neonate is humidity affects temperature balance
- 12. Explain the mechanism of servo control

### **Radiant Warmers**

- 13. State how often the temperature should be monitored when neonates are nursed on a radiant warmer, and identify how to manage the radiant warmer when hypothermic
- 14. Describe and demonstrate specific nursing assessment and care required of the neonate on a radiant warmer
- 15. State when it is appropriate to transfer a neonate to
  - a. an incubator
  - b. open cot
- 16. Describe the specific nursing care to maintain thermoregulation stability when transferring to an open cot.

### Incubators

- 17. State how often neonates temperature should be monitored when in an Incubator and the procedure for increasing Incubator temperature if needed
- 18. State why an Incubator should not be turned off while a neonate is still being nursed in it
- 19. State the factors to be considered in weaning a neonate from an Incubator to an open cot
- 20. Describe procedure for weaning a neonate from an incubator to an open cot
- 21. Explain the mechanism of servo control in the Incubator stating two reasons why this mode would be used

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

## Thermoregulation (Neonates) cont.

adiant Warmers Demonstrate the functions of a radiant warmer Collect and prepare equipment to pre-warm the radiant heater Position the infant correctly on the radiant warmer Demonstrate correct application of the skin probe and a. discuss factors that can interfere with probe function
<ul> <li>b. discuss nursing interventions to rectify probe problems</li> </ul>
Demonstrate how to set the NTE for two neonates of different gestation and weights in Incubators
Demonstrate how to set up servo control and what needs to be documented if the neonate is on servo control in the incubator explaining the rationale for this documentation Accurately documents information related to thermoregulation of the neonate
ו

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

## Tetralogy of Fallot – Management of a Cyanotic Spell

#### Competency Statement:

The nurse safely and effectively cares for a patient with Tetralogy of Fallot

**Element Exemptions:** Banksia, Butterfly, Cockatoo, Dolphin, Emergency, Kelpie, Koala, Kookaburra, Medical Imaging, Platypus, Possum, RCH@Home, Rosella, Sugar Glider (K8-9)

COMPETENCY ELEMENTS	
K	<ol> <li>Describe anatomy associated with the congenital cardiac defect Tetralogy of Fallot.</li> <li>Describe the difference between a 'pink' TOF and 'blue' TOF</li> <li>Discuss possible medical management for a patient with Tetralogy of Fallot</li> <li>Discuss possible surgical management for a patient with Tetralogy of Fallot</li> <li>Identify common triggers that may induce a cyanotic spell</li> <li>Describe the physiological changes that may be observed when a 'spell' occurs.</li> <li>Describe initial patient management of a cyanotic spell</li> <li>Explain monitoring requirements of patient with potential and actual TOF spells</li> <li>Discuss the complications for this cohort group of patients undergoing induction of anaesthetics</li> <li>Describe the steps that are to be taken should a TOF spell occur during induction in theatres</li> </ol>

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:

Signature:

Date:

Assessor Name:

Signature:

Date:

S

1. Demonstrate assessment of patient with Tetrology of Fallot

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:Signature:Date:

Assessor Name:

Signature:

## Transfer from Rosella Ward (PICU)

#### **Competency Statement:**

The nurse safely and effectively prepares and transfers the patient to the ward from PICU

СОМР	ETENCY ELEMENTS
Κ	1. Identify resources available that can assist you in the transfer of a patient from PICU
S	<ol> <li>Demonstrate patient assessment to determine that the patient is clinically stable for the intended transfer</li> <li>Communicate effectively with all members of the multi-disciplinary team and the family to</li> </ol>
	plan the transfer 3. Demonstrate preparation of the patient
	<ul> <li>a. Correct intravenous infusions type, volume and strength for ward and loaded into ward infusion pumps and poles</li> </ul>
	b. Accurate pain assessment and if appropriate referral made to Children's Pain Management Service (CPMS)
	<ul> <li>c. Correct lines labelled, minimised and prepared</li> <li>d. Intra – arterial line removed</li> </ul>
	<ul> <li>e. Pressure monitoring discontinued</li> <li>f. CVC removed if not required</li> </ul>
	<ul><li>g. Peripheral lines patent</li><li>h. Dressings and drains attended to</li></ul>
	<ul> <li>Removal of chest drains and pacing wires if indicated</li> <li>patient and bed is clean and all PICU hardware removed</li> </ul>
	4. Accurately complete documentation prior to transfer
	a. Ward charts: i. Observation ii. Fluid (balanced 1200brs)
	ii. Fluid (balanced 1200hrs) b. Discharge summaries
	c. Fluid orders and MET criteria 5. Demonstrate accurate handover of the patient

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

 $\Box$  Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

Date:

RCH Nursing Competency Workbook - Chapter 3

## Transplant (Post-operative Cardiac)

#### **Competency Statement:**

The nurse safely and effectively cares for the child / young person post Cardiac transplant

**RCH references related to this competency:** RCH Intranet: Cardiology – Intranet Resources - Cardiology and Cardiac Surgery Protocols

1.	Locate and read the Paediatric Cardiac Transplant Protocol
2.	Describe the preparation of the allocated room, equipment, and bedspace for the patient post operative cardiac transplant
3.	Identify the post-operative nursing care priorities to maintain haemodynamic stability in PICU a. within 1 <sup>st</sup> 24hours
4.	b. ongoing until transfer to the ward State the nursing responsibilities in caring for the child/young person who has undergon cardiac transplantation and their family in relation to
	<ul> <li>a. Room allocation</li> <li>b. Monitoring of vital signs and laboratory results</li> <li>c. Pain management</li> </ul>
	d. Fluid requirements / balance e. Medications / Infusions f. Infection Control
	g. Discharge planning and family education
5.	Describe the rationale for immunosuppressant's (mycophenolate, Cyclosporine, Tacrolimu and Prednisolone) and the possible complications and side effects associated with thes medications
7.	Describe the rationale for Prophylactic medications eg: Bactrim, Acyclovir, Nilstat State the nurses responsibilities when caring for the immunosuppressed patient Discuss the main surgical complications that may occur post cardiac transplant and the
9.	management Discuss the multidisciplinary team members involved in the care of child post cardia transplant and their role in a child's recovery
10	. Describe the psychosocial impact cardiac transplantation may have on the child / your person and their family
11	. Discuss the required follow up of children / young people post discharge

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Assessor Name:

Signature:

## **Transplant (Post-Operative Renal)**

#### **Competency Statement:**

The nurse safely and effectively cares for the child / young person post renal transplant

RCH references related to this competency: RCH Intranet: Nephrology – Protocols – Renal Transplantation

СОМР	COMPETENCY ELEMENTS	
Κ	1.	Locate and read the a. RCH Nephrology webpage b. RCH Paediatric Renal Transplant Protocol
	2.	Describe the process for room allocation for the patient who has had a renal transplant
	3.	Summarise pain management options for the patient post renal transplant
	4.	Revise the fluid requirements / balance
		a. Infusions
		b. Fluid Management
		c. Other
	5.	Discuss the medications commonly administered to patients post renal transplant
		a. Immunosuppressant's
		b. Prophylaxis
		c. Antihypertensive
	6.	Discuss the monitoring of vital signs and laboratory results
	7.	Discuss the main complications that may occur post-transplant and their management
	8.	Discuss the multidisciplinary team members involved and their roles in the care of the child post renal transplant
	9.	Describe the psychosocial impact renal transplantation has on the child / young person and their family

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

S	1.	Demonstrate nursing assessment and management to maintain haemodynamic stability in the post op
		period
		a. 1 <sup>st</sup> 24 hr
		b. Ongoing
	2.	Demonstrate/Discuss discharge planning and family education

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

## **Transplant (Pre-Operative Cardiac)**

### **Competency Statement:**

Assessor Name:

The nurse safely and effectively cares for the child / young person and their family about to undergo cardiac transplantation

**RCH references related to this competency:** RCH Intranet: Cardiology – Intranet Resources - Cardiology and Cardiac Surgery Protocols

COMPETENCY ELEMENTS		
Locate and read the RCH Paediatric Cardiac Transplant Protocol State the indications for cardiac transplantation and the subsequent assessment process State the reasons why cardiac transplantation is a treatment option for children with end stage cardiac failure Describe the role of the transplant co-ordinator Describe the nursing responsibilities when preparing a child / young person for cardiac transplantation including a. Nursing admission b. Weight and height c. Pre-transplant bloods d. Pre-operative checklist and documentation e. Premed		
f. Arranging transfer to theatre Describe the social and cultural implications of cardiac transplantation Discuss support available for the family ot Applicable		

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:

Signature:

# Transplant (Pre-Operative Renal)

### **Competency Statement:**

The nurse will safely and effectively care for the child / young person and their family about to undergo renal transplant

RCH references related to this competency: RCH Intranet: Nephrology – Protocols – Renal Transplantation

tate the three stages of renal failure tate the indications for renal transplantation tate the reasons why renal transplantation is the preferred treatment choice for children vith end stage renal failure
tate the reasons why renal transplantation is the preferred treatment choice for children
tate the youngest age (approx) that a child can receive a kidney transplant (why)
dentify potential sources of donor kidneys
iscuss why one donor may be better than another
tate approximate upper and lower age limits for donors
dentify the steps required by the recipient prior to renal transplantation (eg: workup equirements)
iscuss the rationale for pre-medication (immunosuppression) prior to transplant
ist three immunosuppressant agents that in most instances will be given prior to a renal ransplant
escribe the nursing responsibilities when preparing a child / young person for renal ansplantation including
a. Admission responsibilities (living donor and deceased donor)
<ul> <li>b. Day of theatre (theatre preparation of the patient, supplies, readying room for post op)</li> </ul>
escribe the role of the members of the multidisciplinary team in supporting the child / oung person and their family about to undergo renal transplantation

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:

Signature:

Date:

Assessor Name:

Signature:

## **Urinary Catheters**

#### **Competency Statement:**

The nurse will safely and effectively care for a child with a urinary catheter

СОМР	ETENCY ELEMENTS		
K	<ol> <li>Define urinary catheterisation</li> <li>State the reasons why a urinary catheter would be required</li> <li>Describe the position of the following types of catheters         <ul> <li>Indwelling catheter (IDC)</li> <li>Suprapubic Catheter (SPC)</li> <li>Ureteric Catheter</li> <li>Nephrostomy Tube</li> </ul> </li> <li>State the frequency that urine output should be measured based on the child's condition</li> <li>State the frequency that urine output should be measured based on the child's condition</li> <li>State the expected urine output in mls/kg/hr for the post-operative patient</li> <li>Discuss the catheter care for different types of catheters</li> <li>Discuss potential causes of a non – draining catheter</li> <li>State actions if a nephrostomy or ureteric catheter has stopped draining and discuss for why urine output may have stopped</li> <li>Discuss the resources and education required for children and families when a child is to be discharged with a urinary catheter in situ</li> </ol>		
S	<ul> <li>10. Demonstrate the correct emptying of the urinary catheter bag</li> <li>11. Demonstrate accurate documentation of urine output</li> <li>12. Demonstrate how an IDC should be taped for <ul> <li>a. Boys</li> <li>b. Girls</li> </ul> </li> <li>13. Perform catheter care</li> </ul>		

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Please indicate if there is written feedback or reflections related to this competency in the designated section of the workbook

Nurse Name:	Signature:	Date:	

Signature:

# Ventricular Access Device (VAD) – Long Term

### **Competency Statement:**

The nurse safely and effectively cares for the child who is receiving therapy via a Heartware or Berlin Heart Ventricular Assist Device (VAD)

**RCH references related to this competency:** RCH Clinical Practice Guidelines: Long Term Ventricular Assist Device VAD Anticoagulation Guidelines; RCH Intranet: Haematology – Intranet Resources – Anticoagulation, Kids Health Info – Resources

ΓEN	CY ELEMENTS
1.	Locate and read the VAD Manual
2.	Identify the indications for a VAD
3.	Discuss the criteria for the device choice (Heartware or Berlin Heart) for a patient requiring
	VAD
4.	List the components of the VAD
	a. Cannula
	<ul> <li>Blood pump head or Heartware Device</li> </ul>
	c. Drive line: pneumatic lead or electrical cable
	d. Driver
5.	Describe the cannula placement in VAD
	a. Left-sided VAD
	b. Right-sided VAD
6.	Discuss the principles of VAD
	<ul> <li>a. the role of pneumatics and centrifugal in the functioning of VAD</li> </ul>
	b. the process and direction of blood flow from the patient into the VAD blood pump
	and returning to the patient circulation
7.	Explain the two modes of VAD
	a. Volume/ Auto
	b. Async/ Fixed
8.	Discuss the modes available with the
	a. Berlin Heart
	b. Heartware
9.	Explain the clinical problems that can present during therapy on a VAD and discuss the
	potential causes of each problem (e.g. incomplete VAD output)
	. Discuss the adverse complications of VAD
11	. Locate, read and discuss:
	a. Parent information resources (Kids health information, Parent/patient Information
	Booklet)
	b. VAD Pre-operative checklist
	c. Long term VAD Anticoagulation guideline
	d. Daily care plan for long-term VAD patients
1 2	e. Long-term VAD dressing procedure
12	Attend the following sessions:
	a. Heartware lecture
	b. Heartware tutorial
	c. Berlin Heart lecture
1 7	d. Berlin Heart tutorial
13	. Describe the ongoing patient assessment and documentation required when a patient is
	receiving VAD therapy including:
	a. Vital signs
	b. VAD Observations
	c. Pump head filling and emptying
	d. Signs of effective cardiac output
	e. Signs of the potential clinical problems
	f. VAD Circuit
	g. Cannula site dressing and pump head stabilisation
	h. Describe the correct procedure for securing the VAD cables
	i. Anticoagulation management
	i. Pain

14. Discuss the purpose of the insertion of the double lumen broviac at the time of VAD implantation

Competencies continued on next page

Κ	5. Discuss points to consider when a patient is returning to theatre for a chest exploration i relation to:	in
	<ul> <li>Timing of when to transfer to the Operating theatre</li> </ul>	
	<ul> <li>What can happen when muscle relaxants are given in the Anaesthetic room to a patient on VAD (volume mode)</li> </ul>	
	c. What should be done to help prevent this occurring and to treat the problem.	
	6. Explain how to call for assistance when a patient on VAD is located	
	a. On the Cardiac/Renal Unit and have a non-urgent query related to the patient or VAD <b>out</b> of hours	
	<ul> <li>b. On the Cardiac/Renal Unit and have an emergency related to the patient or VAD i or out of hours</li> </ul>	in
	<ul> <li>c. In PICU and there is an emergency with either the patient or VAD in hours</li> <li>d. In the Starlight Room in hours</li> </ul>	

I have demonstrated the necessary knowledge in this competency. I acknowledge that ongoing development and maintenance is my responsibility and will be evidenced in my Professional Practice Portfolio

Nurse Name:	Signature:	Date:
Assessor Name:	Signature:	Date:

S	1.	Successfully complete the written competencies for a. Heartware b. Berlin Heart
	2.	Successfully complete the practical assessment for
		a. Heartware b. Berlin Heart
	3.	Complete some supernumerary time with a Nurse experienced in caring for a child on VAD a. Heartware
		b. Berlin Heart
	4.	Articulate and demonstrate the correct start of shift checks for each of the following VADs
		a. Heartware b. Berlin Heart

I have demonstrated the necessary knowledge, skills, abilities and attributes to be deemed competent in this competency. I acknowledge that ongoing development and maintenance of competency is my responsibility and will be evidenced in my Professional Practice Portfolio.

Nurse Name:	Signature:	Date:
		Datas
Assessor Name:	Signature:	Date:

Competency Name:		
Element(s):		
Assessor Feedback:		
Self-Reflection:		
Assessor [sign and date]	Nurse [sign and date]	
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Assessor Feedback: Self-Reflection:		
Assessor [sign and date]	Nurse [sign and date]	

Competency Name:		
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Self-Reflection:		
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Self-Reflection:	Nurse frim - 1 - 1 - 2	
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Competency Name:		
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