

Example Programme Only

Children's Cardiac Nursing 1 – Foundation

Day 1

Session Title	Indicative Content
Module Introduction	<ul style="list-style-type: none"> • Time to meet everyone on the course • Introduction to Moodle • Assessment information
Cardiovascular A&P	<ul style="list-style-type: none"> • Review of online work • Quiz!
Fetal Circulation and Cardiac A&P	<ul style="list-style-type: none"> • Overview of normal anatomy • Review the shunts present in fetal life
Assessment of the Child with cardiac problems	<ul style="list-style-type: none"> • Cardiovascular, respiratory and neurological assessment • Use of Padlet
ECG	<ul style="list-style-type: none"> • Recognise sinus rhythm • Analysis of ECGs
Arrhythmias and their management	<ul style="list-style-type: none"> • Treatment of common childhood arrhythmias

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Day 2

Session Title	Indicative Content
ASD & VSD	<ul style="list-style-type: none"> • Recognise the defect(s) • Consider the altered haemodynamics • Clinical presentation • Management of condition(s)
AVSD	<ul style="list-style-type: none"> • Altered anatomy of complete AVSD • Altered haemodynamics • Clinical presentation • Management – medical/surgical • Complications post-op
Speech and Language Therapy	<ul style="list-style-type: none"> • Feeding issues in the cardiac patient and how to support them
Nutrition for Children with Cardiac anomalies	<ul style="list-style-type: none"> • Importance of nutrition in the cardiac patient • Energy requirements and physiological factors that affect growth • Overcoming nutritional challenges • MCT diet
Understanding Heart Failure and medications management	<ul style="list-style-type: none"> • Overview of heart failure in children with CHD • Medications for heart failure – what nurses need to know
Acyanotic lesions with increased pulmonary blood flow	<ul style="list-style-type: none"> • Understanding blood flow • Pulmonary hypertension overview • Nursing interventions in heart failure

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Day 3

Session Title	Indicative Content
Role of the cardiac nurse specialist	<ul style="list-style-type: none"> • Foetal Service • Childhood care • Transition to adult services
Cardiac Catheter	<ul style="list-style-type: none"> • Procedures that can be done via cardiac catheter • Pre- and post-operative catheter care • Potential complications and care
Tetralogy of Fallots	<ul style="list-style-type: none"> • Altered anatomy and haemodynamics • Treatment options depending on severity • 'spelling' management
Cardiac Care - Cyanotic Defects with decreased pulmonary blood flow	<ul style="list-style-type: none"> • Physiology of a right to left shunt • Degrees of cyanosis • Examples of cardiac lesions with right to left shunt • Clinical signs and management strategies
Adults with Congenital Heart Disease	<ul style="list-style-type: none"> • Transition to adult services • Overview of future care
Assessment Information	<ul style="list-style-type: none"> • Support with topic choice for poster/teaching board • Clarification of MCQ assessment process

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Day 4

Session Title	Indicative Content
Univentricular hearts	<ul style="list-style-type: none"> • Provide examples of lesions that may require univentricular palliation • Overview of different surgical stages (BT shunt, glenn and fontan) • Explore complications that may arise post-surgery in the short- and long-term
TGA	<ul style="list-style-type: none"> • Altered anatomy and haemodynamics • Management options • Definitive surgery – switch and rastelli procedures • Long-term outcomes
Coarctation	<ul style="list-style-type: none"> • Obstructed systemic circulation lesions and their management
Psychological Care	<ul style="list-style-type: none"> • Supporting families in difficult circumstances • Supporting ourselves
Parallel Planning	<ul style="list-style-type: none"> • Introduction to the concept of parallel planning and role of palliative care team • Which cardiac patients 'should' have palliative care input? • How to use the 'wishes' document
Recap	

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Day 5

Session Title	Indicative Content
Cardiopulmonary bypass	<ul style="list-style-type: none"> • History of cardio-pulmonary bypass • Understanding of procedures involved • Awareness of complications related to CPB
Post-operative care	<ul style="list-style-type: none"> • Immediate post-op care on PICU • Chest drains
Post-operative care cont.	<ul style="list-style-type: none"> • Wound care • Neurological and renal considerations
Physiotherapy	<ul style="list-style-type: none"> • Role of physiotherapy in cardiac patients • Early mobilisation post-cardiac surgery
Endocarditis	<ul style="list-style-type: none"> • Definition • 'At risk' cardiac lesions • Prophylaxis • Clinical presentation • Treatment
Recap / Assessment preparation	<ul style="list-style-type: none"> • Crossword

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Day 6

Session Title	Indicative Content
Open Session	<ul style="list-style-type: none"> • CAL room open for submission of posters/teaching board if not already submitted • Introduction to MCQ and workshop activity
Online MCQ	<ul style="list-style-type: none"> • One hour allocated for completion of end of course MCQ
Assignment review	<ul style="list-style-type: none"> • Feedback from Course Lead on MCQ answers • Workshop activity on Moodle to provide feedback on course colleagues posters/teaching boards
Role of the Youth Worker	<ul style="list-style-type: none"> • Insight in the experiences of young people with cardiac disease
Living with a cardiac abnormality	<ul style="list-style-type: none"> • Parental Perspectives
Course Feedback	