

Example Programme Only

Children's Cardiac Nursing 2: Enhanced

Day 1

Session Title	Indicative Content
Welcome and Introduction	<ul style="list-style-type: none"> • General welcome to course • Intro to online content on Moodle • Overview of assessment process
Cardiac Morphology	<ul style="list-style-type: none"> • Discuss morphological differences between chambers • Review heart valves, heart muscle and coronary perfusion
Pharmacology	<ul style="list-style-type: none"> • Anticoagulation • Inotropes • Anti-arrhythmics
ECG, action potentials	<ul style="list-style-type: none"> • Innervation of the heart • The conduction system • Membrane potentials, generating and action potential, actin, myosin and calcium induced calcium release
Dysrhythmias and their management	<ul style="list-style-type: none"> • Fast rhythms – SVT, WPW • Slow rhythms – AV block • Introduction to pacing
Cardiac A&P Quiz	<ul style="list-style-type: none"> • Mentimeter quiz • Review foetal/transitional circulation

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Children's Cardiac Nursing Advanced

Day 2

Session Title	Indicative Content
Cyanotic heart lesions revision	<ul style="list-style-type: none"> • Overview of cyanotic heart lesions covered on foundation course • Group work to review anticipated management of Fallots, TGA, HLH • Consideration of long-term outlook
TAPVD	<ul style="list-style-type: none"> • Obstructed v unobstructed • Presentation • Initial management • Post-op problems and longer-term complications
Pulmonary Hypertension	<ul style="list-style-type: none"> • Overview of pulmonary hypertension • Management strategies
Foetal development	<ul style="list-style-type: none"> • Dextro-looping • Atrial septation and formation of foramen ovale • Ventricular septation • Division of the truncus • Formation of semi-lunar and AV valves
Fetal service	<ul style="list-style-type: none"> • Overview of fetal service • Patient pathway • Outcomes • CNS support
Acyanotic heart lesions revision	<ul style="list-style-type: none"> • Overview of conditions covered on foundation course • Scenarios centring on the care required for different acyanotic lesions

	<ul style="list-style-type: none">• Identification of 4 different types of ASD and 4 types of VSD• Discussion of management of the defects and ongoing issues if not repaired
Preparation for next week	<ul style="list-style-type: none">• Identification of groups and topics

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Day 3

Session Title	Indicative Content
Univentricular Hearts Revisited	<ul style="list-style-type: none"> • Surgical Talk on the univentricular heart and circulation
Univentricular Hearts Cont.	<ul style="list-style-type: none"> • Understanding the Fontans operation
ECMO	<ul style="list-style-type: none"> • Introduction to ECLS including types • Complications and weaning from ECMO • Role of the bedside nurse • The Bristol ECMO service • Patient examples
Unusual/More complex procedures	<ul style="list-style-type: none"> • Self-directed learning in groups – please find further information on Moodle pages
Aortic stenosis	<ul style="list-style-type: none"> • Pros and cons of mechanical, tissue and homograft valves • Ross / Ross-Konno • Review of interrupted aortic arch
Truncus arteriosus	<ul style="list-style-type: none"> • Identification of the different types of truncus arteriosus • Discussion of the signs and symptoms seen in infants with truncus arteriosus and the surgical management

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Day 4

Session Title	Indicative Content
Heart failure	<ul style="list-style-type: none"> • Causes • Cardiac output and affecting factors • Frank Starling's Law of contractility • Signs and Symptoms • Measures of cardiac failure
ALCAPA	Incidence, diagnosis, description and management of the defect
Cardiomyopathy	<ul style="list-style-type: none"> • Types of cardiomyopathy • Focus on DCM: Altered physiology, presentation and causes, management • Heart transplantation
'Will my child lead a normal life?'	<ul style="list-style-type: none"> • Self-directed group work – please see Moodle pages for more information
Current cardiac research	<ul style="list-style-type: none"> • Structure of the research team • Role of the research nurse • Current research studies

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Day 5

Session Title	Indicative Content
Genetics	<ul style="list-style-type: none"> • Genetic components in CHD • Familial support for genetics
Sequential Segmental Analysis	<ul style="list-style-type: none"> • Expand on 7 stages • Use Echo reports to link to clinical practice
Heterotaxy and isomerism	<ul style="list-style-type: none"> • Introduction to these terms and context in patients with CHD • Associated problems outside of heart • Ladds procedure
Transposition of the great arteries	<ul style="list-style-type: none"> • Recap TGA • Overview of ccTGA • Nursing care of the patient with ccTGA • Surgical options in ccTGA
Recap / review	

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Day 6

Session Title	Indicative Content
MCQ/Exam	
Exam review	Review and discuss MCQ answers
Course Review/Feedback	