

PAEDIATRIC ECMO SHORT COURSE
THURS 12 OCTOBER 2017, GOLD COAST UNIVERSITY HOSPITAL
07:30 TO 18:00 hours

07:30	Registration
08:00	Paediatric ECMO: Overview
08:30	Pump properties and oxygenators
09:00	Indications for paediatric VA ECMO and managing patients on VA ECMO and circuitry
10:00	MORNING TEA
10:30	Indications for paediatric VA ECMO and managing patients on VV ECMO and circuitry
11:15	Cannulation in paediatrics
11:35	Weaning VA and VV ECMO
12:00	Anticoagulation for paediatric ECMO
12:30	LUNCH
13:15	Session 1 - ECPR scenario (VA)
14:15	Session 2 – Pump failure and electricity failure (VA)
15:15	AFTERNOON TEA
15:45	Session 3 – Haemodynamic manipulations (high lactate/BP high low/inotropes etc.) (VA)
16:45	Session 4 – VV ECMO
18:00	Closing comments and close of day

BREAKDOWN OF ROTATING AFTERNOON SESSIONS

SESSION 1: ECPR scenario (VA) <ul style="list-style-type: none">▪ Commencement of flow▪ Compressions while cannulating ▪ Flows – what flows to aim for▪ Theoretical: central vs peripheral▪ Could discuss at pump what centres do with temperature, anticoagulation etc.	SESSION 2: Pump failure and electricity failure (VA) <ul style="list-style-type: none">▪ Pump failure causes▪ Hand crack vs secondary drive▪ Restart of pump▪ Walking air out of pump▪ Transmembrane pressure and oxy clotting
SESSION 3: Haemodynamic manipulations (high lactate/BP high low/inotropes etc) (VA) <ul style="list-style-type: none">▪ Patient lactate high: how to manipulate with low, normal and high BP▪ Sudden drop in flow: Differential / how to troubleshoot etc▪ What inotropes for what scenario▪ Differential arterial saturation	SESSION 4: VV ECMO <ul style="list-style-type: none">▪ Sudden desaturation▪ Decrease in flow▪ Ventilator management▪ Competing blood flows, recirculation

CONTACT: CHQ_ECLS@health.qld.gov.au