

**Title:** Continuous Renal Replacement Therapy

**Organizers** Akash Deep (aakashdeeparora@gmail.com), Timothy Bunchman (timothy.bunchman@vcuhealth.org)

**Date and time:** June 5<sup>th</sup>, 0830 to 1700

**Location:** MTCC 714

**Learning objectives:**

Participants will be able to:

1. Describe the basics of CRRT provision to children across the entire spectrum of pediatric critical illness including peritoneal dialysis
2. Discuss the latest information regarding the entire CRRT prescription from modality choice, anticoagulation, access choice and timing of CRRT initiation, and the application of CRRT in various disease states.
3. Experience hands-on-training using CRRT machines and learn the practicalities of initiation and common problems during provision of CRRT including plasmapheresis to critically ill children, discuss real life complex cases requiring CRRT

**Target audience :** Critical care physicians including trainees, nursing staff, pharmacists involved in the delivery of CRRT to critically ill children

**Desired Results:** The participant in each aspect will be able to apply knowledge attained from attending this workshop to improve their care of children who undergo CRRT in their intensive care unit.

**Programme**

0830-0835	Welcome and plan for the Day	Tim Bunchman and Akash Deep
0835-0850	CRRT modalities and choice	Tim Bunchman
0850-0905	Machines	Jordan Symons
0905-0925	Access, Membranes and solutions	Tim Bunchman
0925-0945	CRRT prescription	Michael Zappitelli
0945-1000	Anticoagulation	Akash Deep
1000-1030	COFFEE BREAK	
1030-1045	CRRT in AKI	Jordan Symons
1045-1105	Peritoneal Dialysis	Mignon McCulloch
1105-1125	CRRT in Liver Failure	Akash Deep
1125-1145	CRRT in patients on ECMO	Tim Bunchman
1145-1200	CRRT in septic shock	Corrine Balit
1300-1400	LUNCH	
1400-1640	Workshops	4 workshops of 40 min each

PD with case discussion  
Machine set up/ Trouble shooting  
Plasmapheresis  
Hyperammonaemia Case discussion

Mignon McCulloch  
Akash Deep and Nikkiso representative  
Jordan Symons, Cecilia Hyslop and Nikkiso rep  
Tim Bunchman

1640-1700      Wrap up

Tim Bunchman and Akash Deep