Blood Prime: What is it? Why is it? Let’s do it!

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Objectives

- What is a blood prime?
- Indications for blood prime.
- Potential complications and appropriate interventions.
- Simulation

We would like to thank Jessica Huck and Frans Richter of Baxter Gambro for providing the equipment for simulation.
Acute Kidney Injury in Critically Ill Children

- Common occurrence
- Complication of other diseases, treatments or processes
- Sepsis, cardiopulmonary bypass, ARDS, inborn errors of metabolism
- Prompt intervention
- Gradual removal of fluids and toxins
What is a blood prime?

- Priming solutions
- Circuit/filter/tubing volumes
- Hemodilution
- Oxygen carrying capacity
- Banked blood
- Hematocrit
- Hyper/hypokalemia
- Hypocalcemia
Indications

80 cc/kg
Indications
Coagulopathy
Indications
ECMO
Potential complications, appropriate interventions

- AN-69 filter
- Hyper/hypokalemia
- Hypocalcemia
- Transfusion reaction
- Hemodynamic instability
- Access
- Air embolus
Questions?
‘Hands On!’


