

Problem solving during ECMO

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In this interactive and moderated workshop we'll examine the problems that can arise during the use of ECMO and explore various approaches to the solution of such problems using a high fidelity ECMO simulator.

The main focus of the workshop will be on problem solving during VV ECMO, but the 'special' problems associated with the use of VA ECMO will also be addressed.

The areas to be covered during the session will include:

- Cannulation problems during ECMO
 - Problems arising during insertion
 - Cannula positioning
 - Re-circulation
 - Inadequate drainage

- The determinants of blood flow from centrifugal pumps
- The differential diagnosis & management of hypoxia during VV ECMO
- The differential diagnosis & management of hypercarbia during VV ECMO
- Oxygenator / Equipment failure

With particular reference to VA ECMO:

- Ventricular loading
- Left heart stasis
- Central vs. Peripheral cannulation
- Differential hypoxia
- Limb ischaemia