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 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

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**Problem solving during ECMO**

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