

Mater Misericordiae University Hospital



Requirements if ECMO is to be initiated in the referral hospital:

Equipment:

Trolley x2
Surgical Masks with Visors
Caps, Sterile gowns and gloves
Large sterile surgical drapes
Towel clips
Sterile gauze squares
Betadine solution (non-alcohol based)
Heparin: 50 -100 units/kg for systemic anticoagulation
500mls Normal Saline with 500 units Heparin added to flush ECMO cannulae
Sterile jug (0.5 or 1L)
50 ml catheter-tipped syringes x2
18G needle x1
10ml syringes x2
5ml syringes x2
Sterile clear occlusive dressing x6

Prior to initiation of ECMO:

Consider ready availability of Red Blood Cells (2 units)
Consider placement of Right Radial Arterial Line (for peripheral V-A ECMO)
Consider placement of antimicrobial coated CVC
(retain Right Internal Jugular and Femoral Vein sites for ECMO Cannulae)
Consider placement of Tracheostomy, Naso-Gastric tube, long-term Urinary Catheter
Echocardiography and Vascular Ultrasound equipment if available

The Mater ECMO service will bring:

ECMO Circuit
ECMO Console
ECMO Cannulation kit with guide wire and dilators
ECMO Cannulae
Distal Perfusion Cannula
Tubing connectors (various sizes)

The Mater ECMO Service
Department of Critical Care Medicine
Mater Hospital
Eccles Street, Dublin 7