ECMO entails the oxygenation of blood by an artificial lung aided by a modified heart-lung machine. The surgical procedure takes about 20 to 60 minutes and is carried out on the ward. The patient's bed should be in a private room if possible. After allowing one to three hours for stabilization the patient is transported to Stockholm.

We would appreciate it if the following preparations were made before our arrival (please check):

Order blood; should be available on the ward  All age groups (neo to adults) 6 adult size of red blood cell concentrates, 2 adult size units fresh (final plasma)	<b>√ here</b> frozen) O
Investigations to be made: Echocardiogram Chest x-ray Cranial ultrasound (Neo) CT of cranium and thorax if possible	0 0 0
Recent lab tests (fill in data on separate sheet below):  Hgb, WBC, Platelets, CRP, PCT, Alb, ionized Ca, Cr, Urea, Bilirubin,  APTT, prothrombin complex, Fibrinogen, D-dimer, Antithrombin  Arterial blood gas incl lactate  Cardiac enzymes  HIV and Hepatitis serology	0 0 0 0
Note last GCS-score before sedation/intubation Note body temperature, actual blood pressures and heart frequency	0 0
Blood typing and basic antibody screening in the mother where neonatal patients are involved Newborn bloodspot screening incl PKU sample taken before ECMO. (A new sample should be drawn one week after completed ECMO treatment)	0 0
Patient preparation: Surgical table or adjustable height outpatient incubator without water mattress No pumps or similar apparatus on the patient's right-side Indwelling catheter CVC, preferably on patient's left side, if possible A-line, preferably on patient's right side, if possible Securely fixed endotracheal tube	0 0 0 0 0
Misc: Surgical personnel (in the case that ECMO can't bring their own scrub nurse), anesthesiologist Diathermia, instrument table, accessory table, suction, illumination, ultrasound Sodium chloride for infusion, chlorhexidine for sterile preparation, sterile infusion set Space to set up the ECMO system with access to air, oxygen, and electricity. Two empty tables or trolleys	0 0 0 0
CXR immediately after procedure Copies of chart notes and x-rays Relatives should be available to receive information from ECMO doctor	0 0 0

When ECMO retrieval involves air transport we need a big enough transport vehicle that can take four people and 350 kg of equipment. Going back to the airport we need a big enough ambulance that can take us and the patient. It is important that you can load both the pump and the patient together through the same door in the ambulance.

Homepage: www.ecmo.se Phone (ECMO doctor on call): +46-8-123 78 050; Telefax (ward): +46-8-123 78 060

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A complete application form to Treatment Abroad Scheme needs to be submitted by the parents of patient or patient with their referring Irish consultant. Birth date: \_\_\_\_\_ Fill in these data, please Height: \_\_\_\_\_cm Weight: \_\_\_\_kg Body temp: \_\_ Latest GCS before sedation/intubation: Time of intubation, date: \_\_\_\_\_, time: \_ Samples/data taken 30-60 minutes BEFORE our planned arrival Time of blood sample: Hgb: \_\_\_\_\_ WBC: \_\_\_\_\_ Platelets: \_\_\_\_ CRP: \_\_\_\_ PCT: \_\_\_\_ Creatinine: \_\_\_\_\_ BUN/Urea: \_\_\_\_ Albumin: \_\_\_\_ Bilirubin: \_\_\_\_ Lactate: \_\_\_\_\_ PK /INR: \_\_\_\_\_ aPTT: \_\_\_\_\_ Fibrinogen: \_\_\_\_\_ Antithrombin: \_\_\_\_\_ D-dimer: \_\_\_\_\_, Tnl: \_\_\_\_\_, Tnl: \_\_\_\_\_ **Regarding neonatal patients** Date of birth: \_\_\_\_\_, time: \_\_\_\_\_ GA: \_\_\_\_\_ Birth weight: \_\_\_\_g Height: \_\_\_\_cm APGAR, 1min: \_\_\_\_\_, 5 min: \_\_\_\_\_, 10 min: \_\_\_\_ Age of mother:

This form should be submitted the ECMO transport team.

No

No

Yes

Yes

Time: \_\_\_\_\_

Time: \_\_\_\_

Newborn bloodspot screening before ECMO (please circle):

Has Vitamin-K (fytomenadion) been given (please circle):