Check List for ECMO Transport Timeout

Date of Transfer:			
Time of Transfer:		Patient's Label	
1. Intra-Hospital Transport of Patient on ECMO			
NICU to CICU CICU to Angiography Suite CICU & Radiology Dept CICU to Operating Theatre			
2. Inter-Hospital Transport of Patient on ECMO via CHETS			
Local Hospital to KKH (NICU/CICU)			
3. Transport Team Personnel			
Personnel		Roles	
ICU Consultant/Fellow		Team Leader	
Perfusionist		In charge of ECMO Circuit	
ECMO Nurse Specialist		Assist the perfusionist with the ECMO Circuit	
ICU Nurse		In-charge of the patient	
Respiratory Therapist/Code Nurse or Second Nurse in		In-charge of the Airway and Ventilation	
Charge			
Security Officer		To clear the route from ICU to destination and vic	e versa
ICU CONSULTANT TO INSTRUCT ICU MO TO CONTACT THE FOLLOWING PERSONNEL: - Receiving party re: estimated time of arrival - Cardiothoracic surgeon to be on standby in hospital during transport - Security to clear the route and hold the lift OVERSIGHT THAT ALL EQUIPMENT ARE PREPARED			
Respiratory therapist	Yes No	ECMO Specialist Nurse Yes	s No
Transport Ventilator	169 MO	ECMO Specialist Nurse Yes	, INU
Resuscitation Bag		Spectrum M3 Monitor	+
Oxygen/Air supply		Oxygen/Air Supply for ECMO Machine	\dashv
Stethoscope		Y-Twin Gas Connector for Oxygen	\dashv
Nurse in charge		Y-Twin Gas Connector for Air	\dashv
Infusion pumps	T		
Resuscitation drugs		┥	
CHECK PATIENT'S STABILITY FOR TRANSFER			
r	RANSFER Tick if ok	Haemodynamic	Tick if ok
1	I ICK II UK	HR, BP, SvO ₂ , lactate	TICK IT OK
Blood gas	\vdash	ECMO flow	\vdash
Ventilatory settings CXR (latest)	\vdash		
CXR (latest) Clinical examination	\vdash	Arterial Line Femoral/ UAC/ Radial/ Doralis pedis/	
		Posterior tibial	
Venous access Central line		Other Tubes	
	\vdash		
Peripheral line		NG tube/ Urinary catheter/ Chest drain (s) Others	
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BEFORE DEPARTURE Procedures DURING TRANSPORT Procedures			
	Tick		Tick
Check patient's parameters		Overall coordinator of transport process, including]
Ensure receiving party is ready		transfer of patient in the radiology department	
Security is on site		Check patient's parameters	
Cardiothoracic surgeon is on standby		Troubleshoot and give team members directions on interventions	

ECMO Specialist/ Perfusionist EQUIPMENT ECMO Machine Delta-stream Rotaflow Pump head Console with pump head and Oxygenator oxygenator Batteries x2 (fully charged) Rotaflow Handcrank Monitors Data Master for Rotaflow M3 Spectrum (fully charged) Clamps Sterile clamps x2 Non-sterile clamps x2 2 tanks of oxygen (full pressure) Gas Supply 1 tank oxygen, 1 tank air (for infants <5kg) PROCEDURE **GETTING READY AT DEPARTURE DURING TRANSPORT** Check pump flow For delta-stream Ensure security of ECMO Check access and Check pump flow cannulae return pressures Connect battery pack to Ensure integrity of entire ECMO circuit Check ECMO cannula site portable pump head Check patient's parameters Stop pump flow Check ECMO flow Check SvO₂ reading Change from console pump head Check battery life of ECMO machine to portable pump head Dial the flow on the portable pump head to desired flow Check patient's parameters Check ECMO cannula Check and position ECMO tubings Respiratory Therapist/ Code Nurse AT DEPARTURE **EQUIPMENT** Transport ventilator Check gas tank supply Connect transport ventilator to gas tanks Oxygen tank (full pressure) x 2 Oxygen tank x 1, Air tank x 1 for infants < 5kg Check patient's ETT position Resuscitation bag and Mask Check chest rise and auscultate Stethoscope Check patient's parameters PROCEDURES: GETTING READY **DURING TRANSPORT** Check patient's ETT tube position Ensure ETT tube is secure Check patient's chest rise Check patient's parameters Check SpO₂ Check ventilator settings Set ventilator settings on transport ventilator Check integrity of ventilator circuit Connect patient to transport ventilator Troubleshoot ventilator alarms Check chest rise and auscultate Check patient's parameters Check patient's latest blood gas Nurse in charge **EQUIPMENT PROCEDURES: GETTING READY** AT DEPARTURE **Monitors** Check patient's parameters Check patient's parameters Infusions and drugs Check patient's medication infusions and rates Disconnect infusions from Ensure infusions are sufficient to last Transport monitor wall source (fully charged) estimated transport duration Connect to transport monitor Infusion pumps Check access - venous (fully charged) **DURING TRANSPORT** Connect an extension with 3-way stopcock to a good Emergency drugs kit venous access for emergency drugs during transport Transport infusion pumps Check access - arterial with patient Check all tubes - NG, urinary catheter, etc Troubleshoot infusion Check transport medications pumps - adrenaline 1:10000 x 2 vials Draw medications en route if - calcium chloride 10% x 1 vial instructed by ICU consultant - Sodium bicarbonate 8.4% x 1 vial - 0.9% NaCl x 2 bottles (500ml)

- 5% Albumin x 1 bottle (if available)