ECLS ECPR Addendum Form Extracorporeal Life Support Organization (ELSO)

Unique ID: (Note: Unique ID is self-generated by the Registry. This is for your reference	Run Number:		
Definition			
ECPR is the application of rapid-deployment VA ECMO to provide circulatory support in patients in whom conventional cardiopulmonary resuscitation (CPR) is unsuccessful in achieving sustained return of spontaneous circulation (ROSC). Sustained ROSC is deemed to have occurred when chest compressions are not required for 20 consecutive minutes and signs of circulation persist.			
Please refer to the ELSO Registry ECPR Addenda Data Definitions for specific details regarding the fields collected.			
Pre-Cardiopulmonary Arrest Precipitating Event			
☐ Cardiac ☐ Non-Cardiac ☐	Unknown		
Antecedent Event (Present up to 4 hours before Arrest)			
Cardiac: Uentricular Dysfunction Uasoplegia Cardiac Tamponade Obstructive Shock Arrhythmia			
Non Cardiac:			
Neurological: Impending Herniation Syndrome			
Toxic/Metabolic: ☐ Metabolic Acidosis			
☐ None ☐ Unknown			
Co-Morbid Conditions (Present up to 24 hours before Arrest)			
Cardiac: ACS CHD-Acyanotic CHD-Cyanotic CHF CV Shock Tamponade Arrhythmia PHN PE			
Pulmonary: ☐ Critical Airway Emergency ☐ Mediastinal Mass ☐ Obstructive Airways Disease ☐ Lung Disease			
Neurological: ☐ CNS-Non Stoke ☐ Ischemic Stroke ☐ Hemorrhagic Stroke ☐ Spinal Cord Injury			
Toxic/Metabolic: ☐ Chronic Renal Failure ☐ Intoxication/Ingestion ☐ Vitamin/Electrolyte Abnormality			
Infectious: Distributive Shock Septic Shock			
Other: Hemorrhage or Hypovolemic Shock Major Trauma Pregnancy/Delivery			
☐ None ☐ Unknown			
Cardiopulmonary Arrest Event			
Location of Arrest: Out of Hospital	Location of Arrest: In Hospital		
☐ Home ☐ Public Place ☐ Ambulatory Medical Care	☐ Ambulatory/Outpatient ☐ ED ☐ Inpatient Ward		
☐ Ambulance Transport ☐ Other	☐ HDU/Stepdown ☐ ICU (specify)		
☐ EMS On-Site? ☐ Bystander CPR? ☐ Bystander AED Use?	☐ Cath Lab ☐ Interventional Radiology ☐ OR ☐ PACU ☐ Delivery Room ☐ Other		
Witnessed Arrest?: Yes No Unknown	Date/Time:		

Management of Cardiopulmo	onary Arres	st		
Date/Time CPR Commenced:			Total CPR Time Prior to ECLS: minutes	
Multiple Arrests during prior 24	hours?	Yes 🗌 No		
ROSC at any time after CPR ar	nd prior to E	CLS? Y	es 🗌 No	
Did the patient have a pulse at	the time of o	cannulation?	P ☐ Yes ☐ No	
Compression Method Used and	d Time:			
☐ Standard for minutes	·			
Automatic Compressor for minutes				
Open Chest CPR for minutes				
Unknown				
Initial Pulseless Rhythm: ☐ Asy	rtole ☐ Pu	ulseless Electri	cal Activity	
☐ Ventricular Tachycardia - no puls	e 🗌 Unk	known – Shock	able Unknown – Non Shockable	
Unknown				
DC Cardioversion or Defibrillati	on: 🗌 No	☐ Yes: Nur	mber of Shocks: Unknown	
Rhythm at Time of Cannulation: Asytole Pulseless Electrical Activity High Degree AV Block Sinus Rhythm				
☐ Sinus Bradycardia ☐ Sinus Tachycardia ☐ SVT ☐ Ventricular Fibrillation ☐ Ventricular Tachycardia - no pulse ☐ Unknown				
Medications During Arrest: Epinephrine – Number of Doses Vasopressin – Number of Doses				
☐ Adenosine ☐ Amiodarone ☐ Atropine ☐ Calcium Choride/Gluconate ☐ Dobutamine ☐ Dopamine ☐ Flumazenil				
☐ Glucagon ☐ Glucose ☐ Lid	docaine 🗌 M	/lagnesium [☐ Milrinone ☐ Naloxone ☐ Norepinephrine	
☐ Procainamide ☐ Phenylephrine ☐ Sodium Bicarbonate ☐ No Medications				
Cardiac Pacing During CPA: ☐ Temporary Cardiac Pacing ☐ No Attempt at Pacing ☐ Unknown				
☐ Transcutaneous ☐ Transvenous ☐ Epicardial ☐ PPM In Situ				
Circulation, Quality of CDD				
Circulation: Quality of CPR				
End tidal CO2 Monitoring	☐ Yes	∐ No	ETCO2 closest to ECLS Flow Start:	
Invasive Arterial Access	☐ Yes	□ No	DPB closest to ECLS Flow Start:	
Cerebral NIRS	☐ Yes	□ No	NIRS closest to ECLS Flow Start:	
CPR Feedback Device	☐ Yes	☐ No	Rate of compressions Delivered:	
Signs of Life prior to ECLS	☐ Yes	☐ No If	No, was neuromuscular blockade in use:	
Cannulation and Circuit Details				
Location of Cannulation: Out of Hospital (Select Site) Location of Arrest: In Hospital (Select Site)				
☐ Home ☐ Public Place ☐ Ambulatory Medical Care ☐ Ambulance/Transport ☐ Other		Medical Care	☐ Ambulatory/Outpatient ☐ ED ☐ Inpatient Ward	
			☐ HDU/Stepdown ☐ ICU (specify)	
			☐ Cath Lab ☐ Interventional Radiology ☐ OR ☐ PACU	
			☐ Delivery Room ☐ Other	
ECPR System: Pre-primed pump Yes No Unknown				
ECPR System: Pre-primed pump ☐ Yes ☐ No ☐ Unknown If yes: ☐ Blood Prime ☐ Clear Prime ☐ Unknown				
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Early Post ECPR Management (Within 24 hours of	Early Post ECPR Management (Within 24 hours of cannulation)			
Neurology: ☐ EEG Monitoring: ☐ standard ☐ continuous ☐ Intracranial Imaging: ☐ Cranial US ☐ CT ☐ No neurologic investigations post-ECPR				
Temp Management: ☐ Targeted 32-34°C ☐ Targeted normothermia 36-37.5°C ☐ Targeted 32-36°C				
☐ No Target ☐ Unknown	Lowest Tomp in first 24 hours:			
Highest Temp in first 24 hours	Lowest Temp in first 24 hours:			
	□ < 30 °C			
_ 30-37.3 C _ 37.0-30.3 C _ 336.3 C _ GIRRIOWII	□ >38.5°C □ Unknown			
First Blood Gas Post ECPR (Closest to intiation or	< 6 hours post initiation)			
Patient Arterial Blood Gas Post ECPR: Yes No				
Date/Time:				
pH: pCO ₂ : pO ₂ : HCO ₃ : SaO ₂ : Lactate				
pri poo ₂ po ₂ rico ₃	CaO ₂ Lactate			
☐ Venous Blood Gas (please select box if only VBG available)				
Post ECPR Review				
Was a debrief held by the inter-disciplinary team Post ECPR: No Yes				
If yes, in what timeframe? ☐ within 24 hours				
☐ If > 24 hours was it within 1 month?				
☐ If > 1 month was it within 3 months?				
Neurological Assessment at Discharge				
Did the patient have a functional performance assessment by Cerebral Performance Category (CPC) for patients >18yo; or by Pediatric Cerebral Performance Category for patients < 18 yo?				
☐ No ☐ Yes: Result: Adult CPC Score =	Pediatric PCPC Score =			