## Supplementary Table S1. "SPOKE" CENTER ECMO CHECKLIST

•	Order blood for ECMO circuit priming and for emergency (2 adults packed RBCs)	O
•	Provide a <u>scrub nurse</u>	O
•	<u>Investigations</u> to be made:	
	Cranial ultrasound	O
	Echocardiogram	O
	Chest x-ray	Ο
•	Recent <u>lab tests</u> :	
	Hb, WBC, Platelets, CRP, PCT, Alb, ionized Ca, Cr, Urea, Bilirubine	Ο
	Lactate, APTT, prothrombin complex, Fibrinogen, D-dimer, Antithrombin	O
	Arterial blood gas	O
	Cardiac enzymes	Ο
•	Patient preparation:	
	CVC (leave neck access free, available for ECMO implant)	О
	Arterial -line	O
	Securely fixed endotracheal tube	O
	Indwelling catheter	O
	Space to set up the ECMO system and sterile instrument back table	O
	Height adjustable incubator with no matress	O

	Metal utility cart	O
	IV pole on casters	О
	External defibrillator (neonatal)	О
•	Alert in advance the <u>radiology technician</u> to be available for x-ray after implant	О
•	Relatives/parents should be available to obtain full informed consent	О

## Supplementary Table S2. Pre-HandS demographic data form (for physisican)

Hub Center	Spoke Center
Pt demographic	
Name	DOB
Gender	
Weight	Gestational Age
Reason for HandS Transfer	
Prematurity	
Respiratory failure	
	RDS
	MAS
	PNX
	CDH
	Apnea
	Bronchioltis
	Other
Cardiac Failure	
Neurological disorde	r
Surgical	
Other cause	
Level of severity of clinical co	onditions:
	Mild
	Moderate
	Severe

## Supplementary Table S3. Pediatric HandS ECMO transfer form (for Pediatric ICU nurse)

Parameter	At 1st call	At SPOKE	During transfer	At HUB
Cyanosis				
Icterus				
Paleness				
RDS				
Shock				
epilepsy				
Hypo/hyperactivity				
Urine output?				
Body Temperature (degrees C)				
HR				
RR				
Transcutaneous SatO2				
PA				
Htc %				
pН				
pO2				
pCO2				
HCO3				
ABE				
FiO2				
Mechanical ventilation				
CPAP				
Intubation AMBU vent				
Intubation mech Vent.				
PI/PEEP				
RR (if mechanical vent)				
Tidal				
CXR				

Echocardiography		
Cerebral US		
Lines		
Vein		
Umbelical artery		
NG tube		
Chest tube		
Medication list		
PGE1		
Surfactant done?		
CPR?	_	

## Supplementary Table S4. Pediatric HandS ECMO data form (for the pefusionist)

Hu	ıb Center	Spoke Center	
Pt	demographic		
	First and Last Name		
	DOB	Gestational Age	
		BSA	
	Weight	Height	
Rea	ason for HandS Transfer:	Diagnosis	
	Prematurity	<u> </u>	
	Respiratory failure		
	• •	RDS	
		MAS	
		PNX	
		CDH	
		Apnea	
		Bronchioltis	
		Other	
	Cardiac Failure		
	Neurological disorde	er	
	Surgical		
	Other cause		
EC	MO details		
	Oxygenator type		
	experimently pe		

•	Site of arterial cannulation		
•	Type or arterial cannula (size)		
•	Site of venous cannulation		
•	Type of venous cannula (size)		
•	Type of Priming		
•	Flow (l/min)		
•	Cannulation time(min)		
•	TAT (min)EIT	Γ (min)	
	TH. 602 /		
•	Wean off / v/n	ECM() duration (days)	
•	Wean off? y/n	the state of the s	_
•	Date of end ECMO	the state of the s	_
•	Date of end ECMOOutcome: alive/dead	the state of the s	
	Date of end ECMO	the state of the s	
	Date of end ECMOOutcome: alive/dead Complications: None	the state of the s	
	Date of end ECMOOutcome: alive/dead Complications:	the state of the s	
	Date of end ECMOOutcome: alive/dead Complications: None Hemorrhage/thrombosis	the state of the s	
	Date of end ECMOOutcome: alive/dead Complications: None Hemorrhage/thrombosis Cannula dislocation	the state of the s	
	Date of end ECMOOutcome: alive/dead Complications:  None Hemorrhage/thrombosis Cannula dislocation Stroke	the state of the s	