

Supplementary Table 1. Key Questions for ECMO protocol

Category	Scope	Key questions
Circuit managements	Circuit maintenance and exchange of circuits	How is anticoagulant therapy applied to prevent thrombus formation and manage circuit coagulation?
		What should the nurse do to maintain the function of the oxygenator membrane during ECMO treatment?
		What should the nurse do to prevent pump hemolysis?
		What should the nurse do to maintain the catheter and line?
Patient management	Hemodynamics	What should be assessed to maintain optimal hemodynamics?
		What should the nurse do to maintain proper hemodynamics?
	Ventilation	What should be assessed to optimize ventilation?
		What should be done to maintain optimal ventilation?
	Body temperature	What methods are used to control body temperature?
	Bleeding	What are the signs of bleeding?
		What should the nurse do to prevent bleeding?
	Infection	What are the signs of infection?
		What should the nurse do to prevent infection?
	Distal perfusion	What should be assessed to maintain peripheral circulation?
		What should the nurse do to maintain distal perfusion?
	Blood volume	What should be assessed to maintain blood flow?
		What should the nurse do to maintain blood flow?
	Neurologic function	How should the nurse evaluate neurological function?
	Sedation	How should the nurse determine when sedation is necessary?
What kind of medicine and how should the nurse use it for effective sedation?		
Pressure injury	What should the nurse do to prevent pressure ulcer?	
Kidney function	What should be assessed to evaluate kidney function?	
Nutrition	What should be assessed for nutritional evaluation?	
Blood sampling	How should blood sampling be conducted for/during ECMO?	

ECMO = Extracorporeal membrane oxygenation.