

**Supplementary Table S1** ELSO complication code list

Code	Description
101	Mechanical: Oxygenator failure
102	Mechanical: Raceway rupture
103	Mechanical: Other tubing rupture
104	Mechanical: Pump failure
105	Mechanical: Temperature regulation device malfunction
114	Mechanical: Clots: hemofilter
121	Mechanical: Air in circuit
131	Mechanical: Cannula problems
132	Mechanical: Circuit change
133	Mechanical: Clots and air emboli
134	Mechanical: Thrombosis/Clots: circuit component
201	Hemorrhagic: GI hemorrhage
203	Hemorrhagic: Surgical site bleeding
222	Hemorrhagic: Peripheral cannulation site bleeding
223	Hemorrhagic: Mediastinal cannulation site bleeding
301	Neurologic: Brain death
311	Neurologic: Seizures: clinically determined
312	Neurologic: Seizures confirmed by EEG
321	Neurologic: CNS Infarction (US or CT or MRI)
323	Neurologic: Intraventricular CNS hemorrhage (US or CT or MRI)
324	Neurologic: Intra/extra parenchymal CNS Hemorrhage (US or CT or MRI)
325	Neurologic: CNS diffuse ischemia (CT/MRI)
326	Neurologic: Neurosurgical intervention performed
401	Renal: Creatinine 1.5–3.0
402	Renal: Creatinine > 3.0
415	Renal: Renal replacement therapy required
502	Cardiovascular: CPR required
504	Cardiovascular: Cardiac arrhythmia
541	Cardiovascular: Tamponade (blood)
544	Cardiovascular: Tamponade (not blood)
601	Pulmonary: Pneumothorax requiring treatment
602	Pulmonary: Pulmonary hemorrhage
711	Infectious: WBC < 1,500
821	Metabolic: Hyperbilirubinemia
822	Metabolic: Moderate hemolysis
823	Metabolic: Severe hemolysis
901	Limb: Ischemia
902	Limb: Compartment syndrome
903	Limb: Fasciotomy
904	Limb: Amputation

Abbreviations: CNS, central nervous system; CPR, cardiopulmonary resuscitation; CT, computed tomography; EEG, electroencephalogram; ELSO, Extracorporeal Life Support Organization; GI, gastrointestinal; MRI, magnetic resonance imaging; US, ultrasound; WBC, white blood cell.

**Supplementary Table S2** Survival-to-discharge by decade of ECMO support

Decade of ECMO	Number of patients	Survived to D/C	<i>p</i> -Value
1990s	37	14 (37.8%)	0.32
2000s	41	19 (46.3%)	
2010s	44	24 (54.5%)	

Abbreviations: D/C, discharge; ECMO, extracorporeal membrane oxygenation.