

ONLINE DATA SUPPLEMENT

Table S1. Individual diagnoses leading to ventilatory failure and co-morbid organ failure of weaned (W) and unweaned (U) patients in the study sample.

Subject	Diagnosis leading to ventilatory failure	Cardiac	Respiratory	GI	Renal	Hepatic	Hematologic	CNS
W1	Pneumonia	-	√	√	√	-	-	-
W2	Burns, pneumonia	-	√	√	-	-	-	-
W3	Esophageal surgery, for neoplasm	√	√	√	-	-	-	-
W4	Hepatobiliary surgery, for neoplasm	√	√	-	-	-	-	√
W5	Hepatobiliary surgery, not for neoplasm	√	√	-	-	-	-	-
W6	Esophageal surgery, not for neoplasm	√	√	-	√	-	√	√
W7	Aneurysm repair, acute MI	√	√	-	√	-	-	-
W8	Intracranial hemorrhage	√	√	√	√	-	√	√
W9	Cardiac arrest, ARDS	√	√	-	-	-	-	-
W10	Pancreatitis, hepatobiliary surgery, not for neoplasm	-	√	√	-	-	-	-
U1	Aneurysm repair, pneumonia	-	√	√	-	-	-	√
U2	Atrial fibrillation, pneumonia	√	√	√	√	-	√	-
U3	Pneumonia, acute renal failure	-	√	-	√	-	-	√
U4	Gastro-intestinal surgery, not for neoplasm	√	√	√	√	-	√	√
U5	Osteomyelitis, acute MI	√	√	-	√	-	-	-
U6	Gastro-intestinal surgery, for neoplasm, sepsis	√	√	-	-	-	-	√