

Supplemental Table S1: Logistic regression analysis on the association between frailty, characteristics of patients at ICU admission and use of advanced procedures with ICU mortality

Characteristics	Model 1		Model 2		Model 3	
	OR of ICU mortality (95%CI)	p-value	OR of ICU mortality (95%CI)	p-value	OR of ICU mortality (95%CI)	p-value
Age	1.01 (0.93 - 1.10)	0.77			1.04 (0.97 - 1.12)	0.30
Gender (male)	0.90 (0.47 - 1.69)	0.73			1.06 (0.61 - 1.84)	0.84
BMI	0.97 (0.91 - 1.02)	0.24				
CFS ≥ 5	1.27 (0.62 - 2.59)	0.51			1.51 (0.84 - 2.74)	0.17
GCS	0.83 (0.76 - 0.91)	<0.001	0.83 (0.78 - 0.88)	<0.001	0.84 (0.79 - 0.90)	<0.001
MAP <65 mmHG	1.65 (0.40 - 6.87)	0.49				
Chronic conditions						
Ischemic heart disease	0.99 (0.40 - 2.44)	0.97				
Congestive heart failure	2.80 (0.40 - 19.50)	0.30				
Peripheral vascular disease	0.65 (0.26 - 1.63)	0.35				
Cerebrovascular events	1.09 (0.14 - 8.75)	0.93				
Cognitive impairment	1.26 (0.17 - 9.19)	0.82				
COPD	1.40 (0.20 - 9.96)	0.73				
Connective tissue disease	13.30 (1.00 - 176.00)	0.05	4.06 (0.97 - 16.90)	0.05		
Peptic ulcer disease	1.83 (0.23 - 14.50)	0.57				
Liver disease	2.13 (0.25 - 17.80)	0.24				
Diabetes mellitus	2.31 (0.265 - 20.20)	0.45				

Hemiplegia	2.07 (0.03 - 122.00)	0.73		
Moderate to severe CKD	3.94 (0.06 - 246.00)	0.51		
Solid tumor	2.61 (0.05 - 142.00)	0.64		
Leukemia	0.60 (0.00 - 85.40)	0.84		
Lymphoma	2.42 (0.05 - 119.00)	0.66		
CCI	0.67 (0.10 - 4.47)	0.68	1.09 (0.93 - 1.27)	0.27
Cause of admission:				
Respiratory	ref	ref	ref	ref
Cardiovascular	1.06 (0.31 - 3.65)	0.92	1.81 (0.94 - 3.49)	0.08
Neurologic	1.58 (0.55 - 4.56)	0.39	1.98 (0.87 - 4.50)	0.10
Trauma/Burn/other	1.51 (0.40 - 5.69)	0.54	1.42 (0.39 - 5.11)	0.60
Need for:				
Vasoactive amines	1.17 (0.56 - 2.45)	0.68		
Renal replacement therapy	2.17 (0.72 - 6.50)	0.17		
No mechanical ventilation	ref	ref	ref	ref
Non invasive ventilation	1.60 (0.47 - 5.48)	0.45	0.74 (0.24 - 2.30)	0.61
Invasive mechanical ventilation	2.69 (0.85 - 8.53)	0.09	2.41 (0.90 - 6.48)	0.08
Tracheostomy	0.38 (0.08 - 1.87)	0.23	0.42 (0.11 - 1.640)	0.21

Model 1 is unadjusted. Model 2 included all variables that were associated with ICU mortality with a p-value <0.10 at the univariate Model 1. Model 3 is adjusted for clinical variables. *Abbreviations:* CCI, Charlson Comorbidity Index; CFS, Clinical Frailty Scale; GCS, Glasgow Coma Scale; MAP, mean arterial pressure; COPD, Chronic obstructive pulmonary disease; CKD, chronic kidney disease

Supplemental Table S2: Logistic regression analysis on the association between frailty, characteristics of patients at ICU admission and use of advanced procedures with one-year mortality

Characteristics	Model 1		Model 2		Model 3	
	OR of one-year mortality (95%CI)	p-value	OR of one-year mortality (95%CI)	p-value	OR of one-year mortality (95%CI)	p-value
Age	1.09 (0.99 - 1.19)	0.09	1.08 (0.99 - 1.18)	0.09	1.10 (1.01 - 1.20)	0.04
Gender (male)	0.65 (0.33 - 1.29)	0.22			0.61 (0.33 - 1.10)	0.10
BMI	0.98 (0.92 - 1.04)	0.42				
CFS ≥ 5	2.70 (1.22 - 5.99)	0.01	2.69 (1.48 - 4.89)	0.001	2.15 (1.15 - 4.03)	0.02
GCS	0.88 (0.80 - 0.98)	0.01	0.88 (0.81 - 0.97)	0.01	0.87 (0.79 - 0.95)	0.002
MAP <65 mmHG	0.56 (0.11 - 2.74)	0.47				
Chronic conditions						
Ischemic heart disease	2.23 (0.31 - 16.00)	0.42				
Congestive heart failure	2.55 (0.37 - 17.60)	0.34				
Peripheral vascular disease	1.21 (0.16 - 9.07)	0.85				
Cerebrovascular events	2.48 (0.31 - 19.60)	0.39				
Cognitive impairment	1.12 (0.16 - 8.02)	0.91				
COPD	2.58 (0.37 - 17.70)	0.34				
Connective tissue disease	4.71 (0.26 - 84.40)	0.29				
Peptic ulcer disease	1.49 (0.19 - 11.30)	0.70				
Liver disease	1.11 (0.13 - 9.23)	0.92				
Diabetes mellitus	1.19 (0.14 - 9.87)	0.87				
Hemiplegia	1.29 (0.02 - 64.90)	0.90				
Moderate to severe CKD	4.74 (0.07 - 315.00)	0.46				

Solid tumor	6.67 (0.12 - 362.00)	0.35				
Leukemia	4.42 (0.05 - 374.00)	0.51				
Lymphoma	4.12 (0.09 - 183.00)	0.46				
CCI	1.55 (0.78 - 3.10)	0.21			1.09 (0.92 - 1.29)	0.32
Cause of admission:						
Respiratory	ref	ref			ref	ref
Cardiovascular	3.61 (0.96 - 13.60)	0.06	2.55 (1.14 - 5.70)	0.02	1.85 (0.88 - 3.88)	0.88
Neurologic	1.55 (0.50 - 4.78)	0.45	0.95 (0.37 - 2.44)	0.91	0.96 (0.39 - 2.41)	0.39
Trauma/Burn/other	1.74 (0.43 - 7.00)	0.43	1.39 (0.40 - 4.80)	0.60	1.08 (0.31 - 3.71)	0.31
Need for:						
Vasoactive amines	1.26 (0.56 - 2.81)	0.58				
Renal replacement therapy	2.07 (0.56 - 7.66)	0.28				
No mechanical ventilation	ref	ref	ref	ref		
Non invasive ventilation	3.95 (1.16 - 13.50)	0.03	3.81 (1.32 - 11.00)	0.01		
Invasive mechanical ventilation	4.06 (1.24 - 13.20)	0.02	3.72 (1.35 - 10.20)	0.01		
Tracheostomy	3.36 (0.73 - 15.50)	0.12	3.16 (0.81 - 12.30)	0.09		

Model 1 is unadjusted. Model 2 included all variables that were associated with one-year mortality with a p-value <0.10 at the univariate Model 1. Model 3 is adjusted for clinical variables. *Abbreviations:* CCI, Charlson Comorbidity Index; CFS, Clinical Frailty Scale; GCS, Glasgow Coma Scale; MAP, mean arterial pressure; COPD, Chronic obstructive pulmonary disease; CKD, chronic kidney disease.