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Supplemental table 3. Risk Factors of In-hospital Mortality among IE patients aged 80 years or older

Variable	Univariate Analysis		Multivariate Analysis	
	Odds Ratio (95% CI)	p Value	Odds Ratio (95% CI)	p Value
Age, year	1.06 (1.05-1.08)	<0.001 [†]	1.04 (1.02 – 1.06)	< 0.001 [†]
Male Gender	1.02 (0.89-1.16)	0.80	1.17 (0.98 – 1.40)	0.08
BMI, kg/m ²	0.97 (0.95-0.99)	0.002 [†]	0.99 (0.97-1.01)	0.30
Smoking	1.09 (0.95-1.26)	0.24	1.09 (0.91-1.31)	0.37
Barthel Index				
Total dependence	Reference		Reference	
Severe dependence	0.50(0.37-0.67)	<0.001 [†]	0.66 (0.48-0.92)	0.02 [†]
Moderate dependence	0.24 (0.17-0.32)	<0.001 [†]	0.33 (0.24-0.47)	<0.001 [†]
Mild dependence	0.23 (0.18-0.31)	<0.001 [†]	0.34 (0.24-0.47)	<0.001 [†]
Independence	0.24 (0.19-0.30)	<0.001 [†]	0.37 (0.28-0.49)	<0.001 [†]
JCS				
0 (alert)	Reference		Reference	
1-3 (drowsy)	1.92 (1.64-2.24)	<0.001 [†]	1.36 (1.13-1.64)	0.001 [†]
10-30 (somnolence)	3.36 (2.65-4.28)	<0.001 [†]	2.02 (1.51-2.69)	<0.001 [†]
100-300 (coma)	5.96 (4.30-8.26)	<0.001 [†]	3.33 (2.24-4.95)	< 0.001 [†]
Hospital Volume				
Low (<4)	Reference		Reference	
Middle (4≤ & <14)	1.17 (0.86-1.61)	0.32	1.26 (0.86 – 1.83)	0.23
High (≥14)	1.11 (0.82-1.49)	0.50	1.22 (0.86 – 1.75)	0.26
Hypertension	2.07 (1.77-2.42)	<0.001 [†]	1.47 (1.23 - 1.77)	<0.001 [†]
Diabetes Mellitus	0.89 (0.74-1.07)	0.22	1.04 (0.84-1.29)	0.73
Dyslipidemia	2.68 (1.96-3.67)	<0.001 [†]	1.65 (1.17 - 2.33)	0.005 [†]

Atrial Fibrillation	1.09 (0.90-1.31)	0.39	1.23 (0.99-1.54)	0.07
Malignancy	0.83 (0.64-1.07)	0.15	0.96 (0.72-1.29)	0.79
Chronic Pulmonary Disease	1.56 (1.07-2.26)	0.02 [†]	1.23 (0.82-1.84)	0.32
Chronic Liver Disease	1.13 (0.78-1.65)	0.51	1.18 (0.75-1.84)	0.48
Chronic Renal Disease	1.90 (1.55-2.33)	<0.001 [†]	2.10 (1.66-2.66)	<0.001 [†]
Heart failure				
- NYHA II	Reference		Reference	
- NYHA III	1.00 (0.59-1.72)	0.99	0.80 (0.44-1.46)	0.47
- NYHA IV	3.48 (2.20-5.50)	<0.001 [†]	2.61 (1.55-4.39)	<0.001 [†]
Stroke	1.68 (1.38-2.04)	<0.001 [†]	1.38 (1.09-1.74)	0.007 [†]
Embolism	1.26 (0.80-1.99)	0.31	1.14 (0.66-1.96)	0.64
Shock	2.13 (1.33-3.44)	0.002 [†]	1.33 (0.75-2.37)	0.33
DIC	4.79 (3.52-6.50)	<0.001 [†]	3.81 (2.68-5.42)	<0.001 [†]
Surgical treatment	0.61 (0.47-0.78)	<0.001 [†]	0.69 (0.52-0.94)	0.02 [†]

CI, confidence interval. † p Values are significant.

IE, infective endocarditis; BMI, body mass index; JCS, Japan Coma Scale; NYHA, New York Heart Association; DIC, Disseminated intravascular coagulation.