

STable 4 **Linear multivariate regression analyses of tracheal injury score**

		Model 1		Model 2		Model 3		Model 4		Model 5		Model 6	
	n	β(95%CI)	P	β(95%CI)	P	β(95%CI)	P	β(95%CI)	P	β(95%CI)	P	β(95%CI)	P
Age,years	97	0.04(-0.02~0.09)	0.244	0.04 (-0.02~0.1)	0.201	0.03 (-0.02~0.09)	0.257	0.01 (-0.08~0.11)	0.765	0.01 (-0.08~0.11)	0.771	0.01 (-0.09~0.11)	0.796
Gender													
male	63	Reference		Reference		Reference		Reference		Reference		Reference	
Female	34	1.27 (-0.77~3.31)	0.225	1.35 (-0.64~3.35)	0.187	1.52 (-0.42~3.47)	0.129	1.93 (-0.37~4.24)	0.104	1.72 (-0.57~4.02)	0.145	1.95 (-0.41~4.31)	0.105
APACHEII score	97	-0.03 (-0.17~0.12)	0.707	-0.04 (-0.19~0.1)	0.538	-0.06 (-0.2~0.07)	0.369	-0.09 (-0.24~0.06)	0.25	-0.06 (-0.21~0.10)	0.467	-0.09 (-0.25~0.07)	0.293
OI	97	0 (-0.01~0.01)	0.676	0 (-0.01~0.01)	0.823	0 (-0.01~0.01)	0.587	0 (-0.01~0.01)	0.652	0 (-0.01~0.01)	0.684	0 (-0.01~0.01)	0.673
septic shock													
No	66	Reference		Reference		Reference		Reference		Reference		Reference	
Yes	31	3.07 (1.06~5.08)	0.004	3.04 (1.07~5.01)	0.003	3.1(1.11~5.08)	0.003	3.29 (1.19~5.39)	0.003	2.99 (0.70~5.29)	0.012	3.19 (0.86~5.53)	0.009
Duration of intubation, days	97	0.31 (0.08~0.54)	0.01	0.33 (0.1~0.56)	0.006	0.31 (0.08~0.53)	0.008	0.29 (0.05~0.52)	0.021	0.3 (0.06~0.54)	0.016	0.29 (0.04~0.53)	0.024

Model 1 no adjusted

Model 2 adjusted for age, gender, APACHEIIscore, duration of intubation, the model is not adjusted for the variable itself

Model 3 adjusted for age, gender, APACHEIIscore, septic shock, OI, duration of intubation, the model is not adjusted for the variable itself

Model 4 adjusted for age, gender, Medication history, Smoking, BMI, CCI, APACHEIIscore, tracheal tube size, septic shock, OI, duration of intubation, the model is not adjusted for the variable itself

Model 5 adjusted for age, gender, BMI, CCI, APACHEIIscore, tracheal tube size, septic shock, OI, duration of intubation, total norepinephrine, total epinephrine, the model is not adjusted for the variable itself

Model 6 adjusted for age, gender, Medication history, Smoking, BMI, CCI, APACHEIIscore, Tracheal tube size, septic shock, OI, duration of intubation, total norepinephrine, total epinephrine, the model is not adjusted for the variable itself

Abbreviations: APACHE Acute Physiology and Chronic Health Evaluation; OI Oxygenation index; BMI body mass index; CCI Charlson Comorbidity Index.