

Univariate logistic regression models for AKI

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
age	2 5 4	1.02	1.0 0, 1.0 5	0.09 1
gender_1_male_2_female	2 5 4			
1		—	—	
2		1.06	0.5 3, 2.0 4	0.86 3
bmi	2 5 4	1.12	1.0 5, 1.2 0	<0.0 01
dependency_0_independent_1_partially_dependent_2_totally_dependent	2 5 4			
0		—	—	
1		1.59	0.3 1, 7.4 0	0.54 7
asa_status	2 5 4			
1		—	—	
2		786,75 3	0.0 0, NA	0.98 8
3		1,390, 056	0.0 0, NA	0.98 7
4		1,059, 090	0.0 0, NA	0.98 7
chronic_steroid_0_no_1_yes	2 5 4			
0		—	—	
1		1.05	0.2 7, 3.4 4	0.93 6
diabetes_mellitus_0_no_1_yes	2 5 4			
0		—	—	

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
1		1.51	0.77, 2.92	0.224
hypertension_0_no_1_yes	254			
0		—	—	
1		1.87	1.09, 3.19	0.022
congestive_heart_failure_in_30_days_prior_surgery_0_no_1_yes	254			
0		—	—	
1		4,497,864	0.00, NA	0.986
preoperative_dyspnea_0_no_1_yes	254			
0		—	—	
1		1.05	0.14, 5.50	0.956
current_smoker_within_1_y_0_no_1_yes	254			
0		—	—	
1		0.42	0.18, 0.88	0.029
severe_copd_0_no_1_yes	254			
0		—	—	
1		1.67	0.74, 3.70	0.208
nsqip	254	1.19	1.04, 1.36	0.011
hematological_cancer_0_no_1_yes	254			
0		—	—	

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
1		2.14	0.39, 11.8	0.358
alohol_use_0_no_1_yes	254			
0		—	—	
1		1.42	0.35, 5.11	0.596
dementia_0_no_1_yes	254			
0		—	—	
1		1.59	0.31, 7.40	0.547
ischemic_heart_disease_history_of_mi_positive_exercise_test_current_chest_pain_use_of_nitrate_or_e cg_with_q_waves_0_no_1_yes	254			
0		—	—	
1		1.12	0.48, 2.48	0.788
cardiovascular_disease_prior_stroke_or_tia_5years_0_no_1_yes	254			
0		—	—	
1		6.49	0.82, 13.2	0.108
statins_0_no_1_yes	254			
0		—	—	
1		1.15	0.57, 2.23	0.689
ace_i_0_no_1_yes	254			
0		—	—	
1		1.81	0.93, 3.48	0.075

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
arb_0_no_1_yes	2 5 4			
0		—	—	
1		2.18	1.0 1, 4.6 9	0.04 4
beta_blockers_0_no_1_yes	2 5 4			
0		—	—	
1		0.88	0.4 4, 1.6 9	0.70 0
insulin_0_no_1_yes	2 5 4			
0		—	—	
1		1.05	0.2 2, 4.0 9	0.94 5
ppi_0_no_1_yes	2 5 4			
0		—	—	
1		1.49	0.8 8, 2.5 6	0.14 3
nsai_ds_0_no_1_yes	2 5 4			
0		—	—	
1		1.48	0.7 0, 3.0 6	0.29 5
baseline_serum_creatinine	2 5 4	1.01	1.0 0, 1.0 2	0.07 6
preoperative_urea	2 3 0	1.01	0.8 8, 1.1 5	0.87 2
e_gfr	2 5 4	0.98	0.9 7, 1.0 0	0.04 0

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
preop_hemoglobin	248	0.94	0.79, 1.11	0.464
preop_wbc	210	1.06	0.94, 1.20	0.355
preop_platelets	244	1.00	1.00, 1.00	0.706
atrial_fibrillation_0_no_1_yes	254			
0		—	—	
1		1.42	0.35, 5.11	0.596
fe_45_percent_0_no_1_yes	254			
0		—	—	
1		1.59	0.31, 7.40	0.547
carotid_stenosis_0_no_1_yes	254			
0		—	—	
1		0.77	0.27, 1.95	0.600
mini_invasive_surgery_2_mini_invasive_3_partially_invasive_4_totally_invasive	254			
2		—	—	
3		6.88	1.44, 36.0	0.017
4		2.89	1.23, 7.96	0.023
tri_incisional_surgery_0_no_1_yes	254			
0		—	—	

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
1		0.37	0.06, 1.40	0.198
type_of_anesthesia_1_inhaled_2_tiva_3_epidural_inhaled_4_peidural_tiva	248			
1		—	—	
2		0.00		0.987
3		0.00		0.988
4		0.00		0.987
anesthesia_duration_h	251	1.00	0.82, 1.22	0.964
intraop_lidocaine_0_no_1_yes	248			
0		—	—	
1		0.47	0.11, 1.52	0.254
intraop_magnesium_0_no_1_yes	248			
0		—	—	
1		1.06	0.56, 1.96	0.866
intraop_dexamethasone_0_no_1_yes	248			
0		—	—	
1		1.11	0.62, 2.02	0.721
intraop_ranitidine_0_no_1_yes	248			
0		—	—	
1		0.70	0.41, 1.20	0.194

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
intraop_ppi_0_no_1_yes	2 4 7			
0		—	—	
1		1.37	0.8 0, 2.3 6	0.24 5
intraop_nmb_1_rocuronium_2_cisatracurium	2 4 5			
1		—	—	
2		1.60	0.3 1, 7.4 2	0.54 6
intraop_reversal_0_no_reversal_1_neostigmine_2_sugammadex	2 4 3			
0		—	—	
1		0.93	0.3 3, 2.4 2	0.88 0
2		0.71	0.4 0, 1.2 5	0.23 5
intraop_min_sp_o2_fi_o2	2 4 8	1.00	0.9 9, 1.0 1	0.80 9
intraop_min_sbp_mm_hg	2 4 7	1.02	0.9 9, 1.0 5	0.16 2
intraop_volume_ml	2 4 7	1.00	1.0 0, 1.0 0	0.55 9
intraop_colloid_0_no_1_yes	2 4 7			
0		—	—	
1		1.19	0.3 6, 3.5 8	0.75 8
intraop_blood_loss_ml	2 4 6	1.00	1.0 0, 1.0 0	0.19 3

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
intraop_blood_transfusions_0_no_1_yes	2 4 7			
0		—	—	
1		2.24	0.7 4, 6.7 6	0.14 6
volume_infused_ml_kg_h	2 4 7	0.96	0.8 7, 1.0 5	0.40 7
hb_end_surgery	2 4 1	0.92	0.7 6, 1.1 1	0.37 1
lactates_end_surgery	7 4	0.93	0.4 6, 1.7 9	0.83 3
intraop_vasopressors_0_no_1_yes	2 4 7			
0		—	—	
1		1.30	0.4 3, 3.6 3	0.62 6
vasopressor_max_dose	1 6	0.00	0.0 0, 57 7	0.39 1
intraop_inotropes_0_no_1_yes	2 4 7			
0		—	—	
1		1.17	0.3 9, 3.2 1	0.76 2
inotrope_max_dose	1 7	0.99	0.3 7, 2.6 5	0.97 7
intraop_arrhythmia_0_no_1_yes	2 4 8			
0		—	—	
1		2.18	0.4 0, 12. 0	0.34 5

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
diuresis_end_of_surgery_ml	246	1.00	1.00, 1.00	0.141
diuresis_endsurgery_ml_kg_h	246	0.70	0.48, 0.97	0.046
intraop_diuretics_0_no_1_yes	248			
0		—	—	
1		1.49	0.62, 3.44	0.359
intraop_nsai_ds_0_no_1_yes	248			
0		—	—	
1		1.70	0.99, 2.93	0.054
monitor_in_pacu_0_no_1_yes	254			
0		—	—	
1		0.75	0.38, 1.41	0.385
monitor_in_icu_0_no_1_yes	254			
0		—	—	
1		1.37	0.73, 2.68	0.334
extubation_at_end_of_surgery_0_no_1_yes	253			
0		—	—	
1		1.03	0.61, 1.76	0.901
intraop_aki_0_no_1_yes	246			
0		—	—	

Characteristic	N	OR ¹	95 % CI ¹	p- valu e
1		2.15	0.9 5, 4.8 5	0.06 3

¹OR = Odds Ratio, CI = Confidence Interval