

Baseline perioperative characteristics stratified according AKI

Characteristic	N	Over all, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
age	2 5 4	66 (56, 72)	65 (56, 71)	66 (58, 73)
gender_1_male_2_female	2 5 4			
1		206 (81%)	140 (81 %)	66 (80 %)
2		48 (19%)	32 (19 %)	16 (20 %)
bmi	2 5 4	24.3 (22.4 , 27.7)	24.0 (22. 0, 26.9)	26.2 (23. 1, 29.4)
dependency_0_independent_1_partially_dependent_2_totally_dependent	2 5 4			
0		247 (97%)	168 (98 %)	79 (96 %)
1		7 (2.8 %)	4 (2.3 %)	3 (3.7 %)
asa_status	2 5 4			
1		1 (0.4 %)	1 (0.6 %)	0 (0%)
2		144 (57%)	105 (61 %)	39 (48 %)
3		106 (42%)	64 (37 %)	42 (51 %)
4		3 (1.2 %)	2 (1.2 %)	1 (1.2 %)
chronic_steroid_0_no_1_yes	2 5 4			
0		242 (95%)	164 (95 %)	78 (95 %)
1		12 (4.7 %)	8 (4.7 %)	4 (4.9 %)

Characteristic	N	Over all, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
diabetes_mellitus_0_no_1_yes	2 5 4			
0		209 (82%)	145 (84 %)	64 (78 %)
1		45 (18%)	27 (16 %)	18 (22 %)
hypertension_0_no_1_yes	2 5 4			
0		153 (60%)	112 (65 %)	41 (50 %)
1		101 (40%)	60 (35 %)	41 (50 %)
congestive_heart_failure_in_30_days_prior_surgery_0_no_1_yes	2 5 4			
0		253 (100 %)	172 (100 %)	81 (99 %)
1		1 (0.4 %)	0 (0%)	1 (1.2 %)
preoperative_dyspnea_0_no_1_yes	2 5 4			
0		248 (98%)	168 (98 %)	80 (98 %)
1		6 (2.4 %)	4 (2.3 %)	2 (2.4 %)
current_smoker_within_1_y_0_no_1_yes	2 5 4			
0		206 (81%)	133 (77 %)	73 (89 %)
1		48 (19%)	39 (23 %)	9 (11 %)
severe_copd_0_no_1_yes	2 5 4			
0		226 (89%)	156 (91 %)	70 (85 %)

Characteristic	N	Overall, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
1		28 (11%)	16 (9.3%)	12 (15%)
nsqip	2 5 4	9.00 (8.00 , 11.50)	9.00 (8.00 , 11.50)	10.50 (8.00 , 11.50)
hematological_cancer_0_no_1_yes	2 5 4			
0		248 (98%)	169 (98%)	79 (96%)
1		6 (2.4%)	3 (1.7%)	3 (3.7%)
alohol_use_0_no_1_yes	2 5 4			
0		244 (96%)	166 (97%)	78 (95%)
1		10 (3.9%)	6 (3.5%)	4 (4.9%)
dementia_0_no_1_yes	2 5 4			
0		247 (97%)	168 (98%)	79 (96%)
1		7 (2.8%)	4 (2.3%)	3 (3.7%)
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	2 5 4			
0		225 (89%)	153 (89%)	72 (88%)
1		29 (11%)	19 (11%)	10 (12%)
cardiovascular_disease_prior_stroke_or_tia_5years_0_no_1_yes	2 5 4			
0		250 (98%)	171 (99%)	79 (96%)
1		4 (1.6%)	1 (0.6%)	3 (3.7%)

Characteristic	N	Overall, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
statins_0_no_1_yes	254			
0		208 (82%)	142 (83%)	66 (80%)
1		46 (18%)	30 (17%)	16 (20%)
ace_i_0_no_1_yes	254			
0		208 (82%)	146 (85%)	62 (76%)
1		46 (18%)	26 (15%)	20 (24%)
arb_0_no_1_yes	254			
0		223 (88%)	156 (91%)	67 (82%)
1		31 (12%)	16 (9.3%)	15 (18%)
beta_blockers_0_no_1_yes	254			
0		204 (80%)	137 (80%)	67 (82%)
1		50 (20%)	35 (20%)	15 (18%)
insulin_0_no_1_yes	254			
0		245 (96%)	166 (97%)	79 (96%)
1		9 (3.5%)	6 (3.5%)	3 (3.7%)
ppi_0_no_1_yes	254			
0		116 (46%)	84 (49%)	32 (39%)

Characteristic	N	Overall, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
1		138 (54%)	88 (51%)	50 (61%)
nsai_ds_0_no_1_yes	2 5 4			
0		219 (86%)	151 (88%)	68 (83%)
1		35 (14%)	21 (12%)	14 (17%)
baseline_serum_creatinine	2 5 4	77 (67, 87)	77 (66, 87)	78 (69, 92)
preoperative_urea	2 3 0	5.55 (4.31 , 7.00)	5.60 (4.3 6, 6.88)	5.50 (4.0 7, 7.53)
e_gfr	2 5 4	90 (79, 100)	92 (81, 101)	88 (72, 98)
preop_hemoglobin	2 4 8	12.9 0 (11.7 0, 13.8 0)	12.8 0 (11. 70, 13.8 0)	12.9 0 (11. 80, 13.7 0)
preop_wbc	2 1 0	5.71 (4.48 , 7.30)	5.66 (4.5 0, 6.98)	6.03 (4.4 6, 7.60)
preop_platelets	2 4 4	207 (165, 252)	205 (168 , 247)	216 (164 , 258)
atrial_fibrillation_0_no_1_yes	2 5 4			
0		244 (96%)	166 (97%)	78 (95%)
1		10 (3.9%)	6 (3.5%)	4 (4.9%)
fe_45_percent_0_no_1_yes	2 5 4			
0		247 (97%)	168 (98%)	79 (96%)

Characteristic	N	Over all, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
1		7 (2.8 %)	4 (2.3 %)	3 (3.7 %)
carotid_stenosis_0_no_1_yes	2 5 4			
0		232 (91%)	156 (91 %)	76 (93 %)
1		22 (8.7 %)	16 (9.3 %)	6 (7.3 %)
mini_invasive_surgery_2_mini_invasive_3_partially_invasive_4_totally_invasive	2 5 4			
2		39 (15%)	33 (19 %)	6 (7.3 %)
3		9 (3.5 %)	4 (2.3 %)	5 (6.1 %)
4		206 (81%)	135 (78 %)	71 (87 %)
tri_incisional_surgery_0_no_1_yes	2 5 4			
0		241 (95%)	161 (94 %)	80 (98 %)
1		13 (5.1 %)	11 (6.4 %)	2 (2.4 %)
type_of_anesthesia_1_inhaled_2_tiva_3_epidural_inhaled_4_peidural_tiva	2 4 8			
1		2 (0.8 %)	0 (0%)	2 (2.5 %)
2		23 (9.3 %)	16 (9.5 %)	7 (8.9 %)
3		18 (7.3 %)	9 (5.3 %)	9 (11 %)
4		205 (83%)	144 (85 %)	61 (77 %)
anesthesia_duration_h	2 5 1	6.00 (5.20 7.20)	6.00 (5.2 0, 7.20)	6.05 (5.9 5, 7.00)

Characteristic	N	Over all, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
intraop_lidocaine_0_no_1_yes	2 4 8			
0		232 (94%)	156 (92%)	76 (96%)
1		16 (6.5%)	13 (7.7%)	3 (3.8%)
intraop_magnesium_0_no_1_yes	2 4 8			
0		190 (77%)	130 (77%)	60 (76%)
1		58 (23%)	39 (23%)	19 (24%)
intraop_dexamethasone_0_no_1_yes	2 4 8			
0		76 (31%)	53 (31%)	23 (29%)
1		172 (69%)	116 (69%)	56 (71%)
intraop_ranitidine_0_no_1_yes	2 4 8			
0		120 (48%)	77 (46%)	43 (54%)
1		128 (52%)	92 (54%)	36 (46%)
intraop_ppi_0_no_1_yes	2 4 7			
0		129 (52%)	92 (55%)	37 (47%)
1		118 (48%)	76 (45%)	42 (53%)
intraop_nmb_1_rocuronium_2_cisatracurium	2 4 5			
1		238 (97%)	162 (98%)	76 (96%)

Characteristic	N	Over all, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
2		7 (2.9 %)	4 (2.4 %)	3 (3.8 %)
intraop_reversal_0_no_reversal_1_neostigmine_2_sugammadex	2 4 3			
0		117 (48%)	76 (46 %)	41 (53 %)
1		21 (8.6 %)	14 (8.4 %)	7 (9.1 %)
2		105 (43%)	76 (46 %)	29 (38 %)
intraop_min_sp_o2_fi_o2	2 4 8	120 (98, 155)	120 (96, 158)	120 (107 , 155)
intraop_min_sbp_mm_hg	2 4 7	100 (90, 100)	100 (90, 100)	100 (90, 110)
intraop_volume_ml	2 4 7	4,00 0 (3,50 0, 5,00 0)	4,00 0 (3,5 00, 5,00 0)	4,00 0 (3,5 00, 5,00 0)
intraop_colloid_0_no_1_yes	2 4 7			
0		233 (94%)	159 (95 %)	74 (94 %)
1		14 (5.7 %)	9 (5.4 %)	5 (6.3 %)
intraop_blood_loss_ml	2 4 6	150 (100, 200)	100 (100 , 200)	200 (100 , 215)
intraop_blood_transfusions_0_no_1_yes	2 4 7			
0		233 (94%)	161 (96 %)	72 (91 %)
1		14 (5.7 %)	7 (4.2 %)	7 (8.9 %)
volume_infused_ml_kg_h	2 4 7	9.26 (7.68 , 10.7 2)	9.50 (7.6 7, 11.1 3)	8.70 (7.7 4, 10.1 5)

Characteristic	N	Overall, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
hb_end_surgery	2 4 1	12.0 0 (11.0 0, 13.1 0)	12.0 0 (11. 10, 13.2 0)	12.0 0 (10. 90, 12.8 0)
lactates_end_surgery	7 4	1.16 (0.99 , 1.78)	1.10 (0.8 8, 2.03)	1.25 (1.0 6, 1.65)
intraop_vasopressors_0_no_1_yes	2 4 7			
0		231 (94%)	158 (94 %)	73 (92 %)
1		16 (6.5 %)	10 (6.0 %)	6 (7.6 %)
vasopressor_max_dose	1 6			
0.05		3 (19%)	1 (10 %)	2 (33 %)
0.08		1 (6.2 %)	1 (10 %)	0 (0%)
0.1		4 (25%)	2 (20 %)	2 (33 %)
0.2		5 (31%)	4 (40 %)	1 (17 %)
0.3		3 (19%)	2 (20 %)	1 (17 %)
intraop_inotropes_0_no_1_yes	2 4 7			
0		230 (93%)	157 (93 %)	73 (92 %)
1		17 (6.9 %)	11 (6.5 %)	6 (7.6 %)
inotrope_max_dose	1 7			
3		7 (41%)	5 (45 %)	2 (33 %)
4		1 (5.9 %)	0 (0%)	1 (17 %)

Characteristic	N	Over all, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
5		8 (47%)	5 (45 %)	3 (50 %)
6		1 (5.9 %)	1 (9.1 %)	0 (0%)
intraop_arrhythmia_0_no_1_yes	2 4 8			
0		242 (98%)	166 (98 %)	76 (96 %)
1		6 (2.4 %)	3 (1.8 %)	3 (3.8 %)
diuresis_end_of_surgery_ml	2 4 6	500 (322, 750)	500 (340 , 770)	500 (315 , 700)
diuresis_endsurgery_ml_kg_h	2 4 6	1.14 (0.76 , 1.75)	1.20 (0.8 , 1.77)	1.01 (0.6 3, 1.65)
intraop_diuretics_0_no_1_yes	2 4 8			
0		223 (90%)	154 (91 %)	69 (87 %)
1		25 (10%)	15 (8.9 %)	10 (13 %)
intraop_nsai_ds_0_no_1_yes	2 4 8			
0		129 (52%)	95 (56 %)	34 (43 %)
1		119 (48%)	74 (44 %)	45 (57 %)
monitor_in_pacu_0_no_1_yes	2 5 4			
0		196 (77%)	130 (76 %)	66 (80 %)
1		58 (23%)	42 (24 %)	16 (20 %)
monitor_in_icu_0_no_1_yes	2 5 4			

Characteristic	N	Over all, N = 254 ¹	0, N = 172 ¹	1, N = 82 ¹
0		59 (23%)	43 (25%)	16 (20%)
1		195 (77%)	129 (75%)	66 (80%)
extubation_at_end_of_surgery_0_no_1_yes	2 5 3			
0		117 (46%)	80 (47%)	37 (46%)
1		136 (54%)	92 (53%)	44 (54%)
intraop_aki_0_no_1_yes	2 4 6			
0		219 (89%)	153 (92%)	66 (84%)
1		27 (11%)	14 (8.4%)	13 (16%)
criterio_per_aki_1_scr_2_diuresis_3_both	8 2			
1		23 (28%)	0 (NA%)	23 (28%)
2		48 (59%)	0 (NA%)	48 (59%)
3		11 (13%)	0 (NA%)	11 (13%)
aki_stage	8 2			
1		60 (73%)	0 (NA%)	60 (73%)
2		19 (23%)	0 (NA%)	19 (23%)
3		3 (3.7%)	0 (NA%)	3 (3.7%)

¹Median (IQR); n (%)