SuperLearner versus Clinicians to Prioritise Trauma Patients (working title)

Test version 0.0.0.9000

Results

During the study period, we approached a total of 1500 patients for enrollment. XX did not provide informed consent. Out of the YY fulfilling the inclusion criteria, 48 had missing data on priority level assigned by clinicians, leaving 1452 patients. An additional 583 were excluded because of missing outcome data. Thus, the final study sample included 869 patients.

Table 1: Sample characteristics

Characteristic	Level	Training	Test
n (Age in years (median [IQR])		30.00 [24.00, 45.00]	30.00 [23.00, 40
Sex (	Male	450 (79.23)	236 (78.41)
Mechanism of injury (	Burn	2 (0.35)	1 (0.33)
	Event of undetermined intent	1 (0.18)	0 (0.00)
	Fall	152 (26.76)	81 (26.91)
	Intentional self harm	2 (0.35)	1 (0.33)
	Other external cause of accidental injury	69 (12.15)	73 (24.25)
	Transport accident	265 (46.65)	95 (31.56)
Type of injury (	Blunt and penetrating	2 (0.35)	0 (0.00)
	Penetrating	10 (1.76)	0 (0.00)
Mode of transport (	Arrived walking	14 (2.46)	19 (6.31)
	Police	24 (4.23)	8 (2.66)
	Private vehicle	288 (50.70)	233 (77.41)
Transfer status (	Yes	251 (44.19)	47 (15.61)
SBP (median [IQR])		120.00 [111.00, 130.00]	122.00 [114.00,
DBP (median [IQR])		80.00 [70.00, 87.00]	82.00 [73.00, 90
SpO^2 (median [IQR])		98.00 [97.00, 98.00]	98.00 [98.00, 98
HR (median [IQR])		88.00 [78.00, 97.00]	87.00 [78.00, 10
RR (median [IQR])		20.00 [18.00, 22.00]	24.00 [20.00, 26
EGCS (	2	8 (1.41)	1 (0.33)
	3	18 (3.17)	1 (0.33)
	4	506 (89.08)	287 (95.35)
	Non testable	1 (0.18)	1 (0.33)
VGCS (	2	11 (1.94)	4 (1.33)
	3	7 (1.23)	0 (0.00)
	4	23 (4.05)	0 (0.00)
	5	490 (86.27)	286 (95.02)
	Non testable	0 (0.00)	1 (0.33)
MGCS (	2	7 (1.23)	2 (0.66)
	3	9 (1.58)	4 (1.33)
	4	6 (1.06)	1 (0.33)
	5	23 (4.05)	3 (1.00)
	6	504 (88.73)	287 (95.35)
	Non testable	2 (0.35)	0 (0.00)
AVPU (	Pain responsive	28 (4.93)	9 (2.99)
	Unresponsive	19 (3.35)	4 (1.33)
	Voice responsive	19 (3.35)	1 (0.33)
Delay (median [IQR])		165.00 [50.00, 903.50]	68.00 [35.00, 28
All cause 30-day mortality (	Yes	53 (9.33)	11 (3.65)

Table 2: *

Abbreviations and explanations: AVPU, Alert, voice, pain, unresponsive scale; DBP, Diastolic blood pressure in mmHg; Delay, Time between injury and arrival to participating centre in minutes; EGCS, Eye component of the Glasgow Coma Scale; HR, Heart rate; MGCS, Motor component of the Glasgow Coma Scale; RR, Respiratory rate in breaths per minute; SBP, Systolic blood pressure in mmHg; SpO

textsuperscript2, Peripheral capillary oxygen saturation; VGCS, Verbal component of the Glasgow Coma Scale