

Table 16: Loekito 2013²⁹⁶

Reference	Loekito 2013 ²⁹⁶				
Study type and analysis	Retrospective observational				
Number of participants and characteristics	n=71453 Inclusion criteria: Emergency department patients Exclusion criteria: None stated Setting: Emergency department Country: Australia Age, years. Mean = 59.99 ±22.1 Male: 50.5%				
Diagnostic indicators	Haemoglobin, haematocrit, total bicarbonate, white cell count, albumin, pH, bilirubin, creatinine, urea.				
Outcomes and effect sizes		Death	#tests(#patients)	Survived	#tests(#patients)
	Haemoglobin (g/litre)	122±26.2	910 (805)	133±20.7	132515 (70381)
	Haematocrit (litre/litre)	0.38±0.08	910 (805)	0.40±0.06	132448 (70369)
	Total bicarbonate (mmol/litre)	20.24±7.07	962 (815)	24.68±3.57	129104 (66131)
	White cell count 10 ⁹ /litre	12.5 (8.5,16.9)	910 (805)	8.5 (6.7,11.1)	132445 (70372)

Albumin (g/litre)	30.1±7.4	741 (659)	37.1±5.9	85147 (49289)	
pH	7.22±0.16	1013 (566)	7.38±0.09	25290 (12222)	
Bilirubin (micromoles/litre)	14 (9,22)	660 (602)	11 (8,17)	77668 (46539)	
Creatinine (mmol/litre)	0.14 (0.09,0.23)	966 (815)	0.08 (0.07,0.11)	129144 (66147)	
Urea (mmol/litre)	12.4 (7.9,20.1)	964 (814)	6.0 (4.4,8.6)	129120 (66135)	
Haemoglobin (g/litre)	122±26.2	910 (805)	133±20.7	132515 (70381)	
Mortality (people who died on the same or next day), AUC - ROC [95% CI]					
Haemoglobin 0.6330 [0.6133 - 0.6532]					
Haematocrit 0.5788 [0.5562 - 0.6004]					
Total bicarbonate 0.7318 [0.7126 - 0.7515]					
White cell count 0.6913 [0.6711 - 0.7099]					
Albumin 0.7791 [0.7614 - 0.7966]					
pH 0.8069 [0.7913 - 0.8211]					
Bilirubin 0.5799 [0.5574 - 0.6020]					
Creatinine 0.7645 [0.7494 - 0.7803]					
Urea 0.7905 [0.7766 - 0.8059]					
	Sensitivity (95% CI)	Specificity (95% CI)	PPV (95% CI)	NPV (95% CI)	DOR [95% CI]
U≥8.75	0.703 [0.673 0.732]	0.760 [0.758 0.763]	0.0215 [0.0199 0.0231]	0.997 [0.997 0.997]	7.53 [6.55 8.65]
cr≥0.1145	0.636 [0.604 0.666]	0.796 [0.794 0.798]	0.0228 [0.0210 0.0246]	0.997 [0.996 0.997]	6.81 [5.97 7.77]
WCC≥11.75	0.552 [0.519 0.584]	0.788 [0.786 0.790]	0.0175 [0.0161 0.0191]	0.996 [0.996 0.996]	4.57 [4.01 5.21]
Bili≥17.5	0.362 [0.325 0.400]	0.773 [0.770 0.776]	0.0134 [0.0118 0.0152]	0.993 [0.992 0.994]	1.94 [1.65 2.27]
Hb≤128.5	0.588 [0.555 0.620]	0.640 [0.637 0.642]	0.0111 [0.0102 0.0120]	0.996 [0.995 0.996]	2.53 [2.22 2.89]
Hct≤0.375	0.475 [0.442 0.508]	0.697 [0.695 0.700]	0.0107 [0.00969 0.0117]	0.995 [0.994 0.995]	2.08 [1.83 2.37]
CO2≤21.5	0.569 [0.537 0.600]	0.847 [0.845 0.849]	0.0269 [0.0248	0.996 [0.996 0.997]	7.30 [6.41 8.30]

				0.0293]		
	pH≤7.325	0.704 [0.675 0.732]	0.794 [0.790 0.800]	0.121 [0.112 0.129]	0.985 [0.984 0.987]	9.18 [8.0 10.5]
	ALB≤34.5	0.718 [0.684 0.750]	0.724 [0.721 0.727]	0.0221 [0.0203 0.0241]	0.997 [0.996 0.997]	6.68 [5.69 7.84]
Comments	Additional data reported on different thresholds.					