Supplemental material

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Emerg Med J

Supplementary 1: ROC plots for each biomarker for the primary outcome

suPAR AUC: 0.81

BNP AUC: 0.63

Procalcitonin AUC: 0.72

IL-6 AUC: 0.77

KL-6 AUC: 0.51

Neutrophils AUC: 0.53

Lymphocytes AUC: 0.62

Neutrophil:Lymphocyte ratio AUC: 0.62

Ferritin AUC: 0.63

Troponin AUC: 0.69

LDH AUC: 0.62

CRP AUC: 0.69
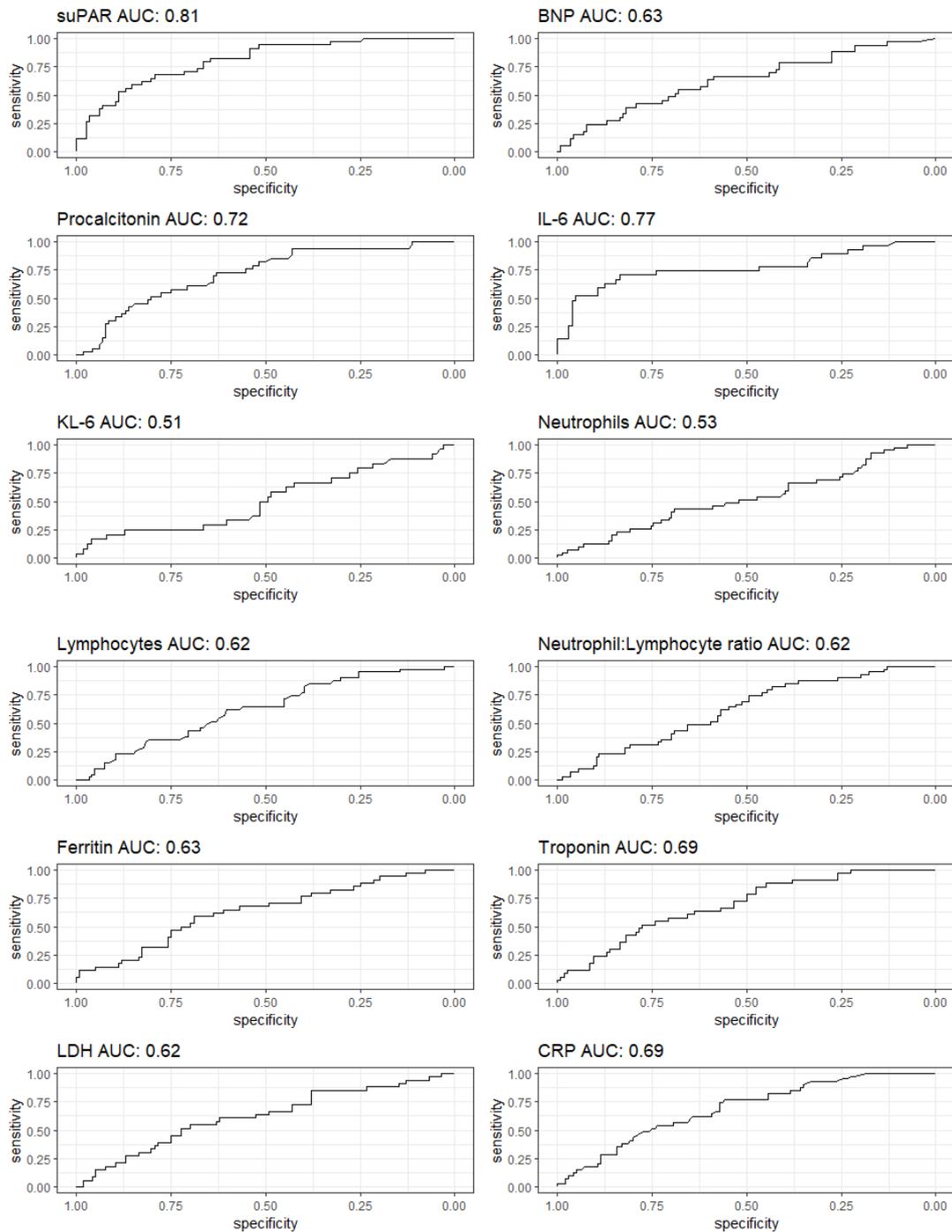
Supplementary 2: Performance of each biomarker on the composite of ITU admission and mortality; ROC plots and diagnostic performance
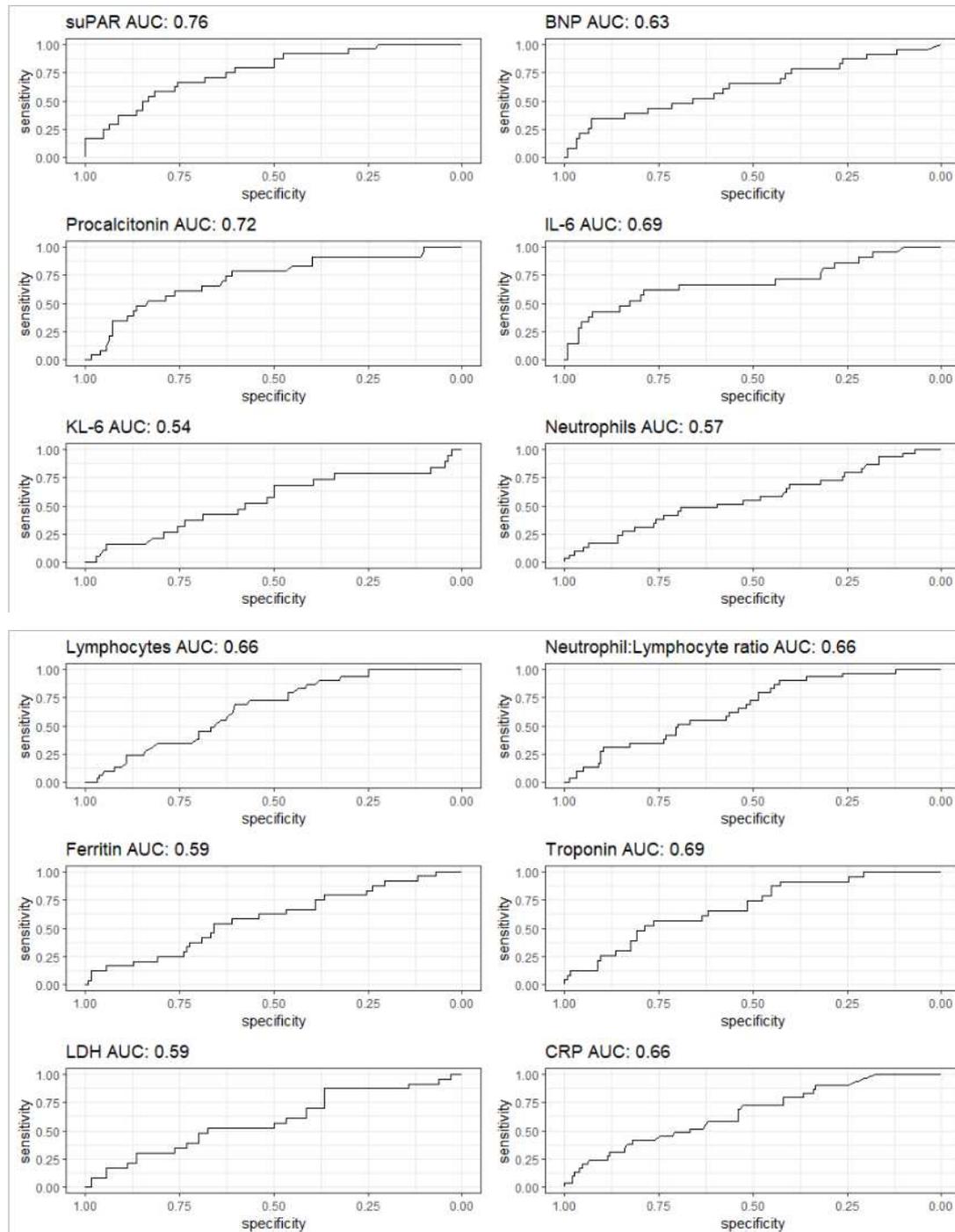
Supplement 3: Proven vs suspected cases – a comparison

Characteristic	Proven, N = 142	Suspected, N = 45	p-value
Age (18+)	61 (47, 75)	53 (41, 62)	0.010
			0.7
Male	78 (55%)	23 (51%)	
Female	64 (45%)	22 (49%)	
			0.049
Inpatient	115 (81%)	42 (93%)	
Outpatient	27 (19%)	3 (6.7%)	
Diabetes status			0.2
None	117 (82%)	32 (71%)	
T1DM	3 (2.1%)	1 (2.2%)	
T2DM	22 (15%)	12 (27%)	
Heart disease	39 (27%)	7 (16%)	0.11
Chronic Lung disease	39 (27%)	7 (16%)	0.11
Severe Liver disease	4 (2.8%)	1 (2.2%)	>0.9
Severe kidney impairment (eGFR< 30 or dialysis)	18 (13%)	4 (8.9%)	0.5
Hypertension	40 (28%)	12 (27%)	0.8
HIV status	2 (1.4%)	0 (0%)	>0.9
Primary outcome:			0.6
Survivor	111 (78%)	37 (82%)	
Non-survivor/ITU/NIV	31 (22%)	8 (18%)	
Non-white ethnicity	21 (18%)	4 (10%)	0.3
Median (IQR); n (%)			

Supplemement 4: Odds ratios (logged) for each predictor

Term	Coefficent	Lower 95% CI	Higher 95% CI	P value
CRP	1.7918	1.3134	2.5712	0.0006
Neutrophils	1.3993	0.7875	2.5014	0.2511
Lymphocytes	0.4988	0.2604	0.9332	0.0316
NLR	1.5346	1.0386	2.2912	0.0327
IL6	2.3320	1.6058	3.5821	0.0000
KL6	1.0008	0.9998	1.0018	0.1291
suPAR	13.9827	5.2240	44.3974	0.0000
LDH	2.8663	1.0115	8.7361	0.0540
Ferritin	1.5478	1.1056	2.2308	0.0142
Troponin T	1.7433	1.2442	2.5218	0.0018
BNP	1.2597	1.0452	1.5305	0.0168
NEWS (unlogged)	1.3068	1.1497	1.4995	0.0001
Age (unlogged)	1.0441	1.0209	1.0701	0.0003