

Table 4. Test performance of each risk score with high-sensitivity troponin I

	Hs-cTnI ≤26.2ng/L alone (99 th percentile)	m-Goldman Score 0 and hs-cTnI ≤26.2ng/L	m-Goldman ≤1 and hs-cTnI ≤26.2ng/L	TIMI Score 0 and hs-cTnI ≤26.2ng/L	TIMI Score ≤1 and hs-cTnI ≤26.2ng/L	GRACE <60 (incorporates hs-cTnI)*	GRACE<80 (incorporates hs-cTnI)*	HEART Score ≤2 (incorporates hs-cTnI)	HEART Score ≤ 3 (incorporates hs-cTnI)	Vancouver Chest Pain Rule (incorporates hs-cTnI)
Sensitivity (95% CI)	62.1 (51.9-70.8)	98.5 (91.0-99.9)	92.8 (82.8-97.2)	95.5 (86.7-98.8)	87.9 (77.3-94.2)	98.5 (91.1-99.9)	89.4 (79.1-95.2)	98.5 (91.0-99.9)	97.0 (88.7-99.5)	100 (93.3-100)
Negative predictive value (95% CI)	96.9 (96.1-97.6)	99.0 (94.2-99.9)	98.7 (97.0-99.5)	99.0 (96.9-99.7)	98.3 (96.8-99.2)	98.9 (93.4-99.9)	97.5 (95.1-98.9)	99.1 (94.8-100)	99.3 (97.3-99.9)	100 (96.7-100)
Specificity (95% CI)	97.2 (96.5-98.1)	12.6 (12.0-12.7)	47.4 (46.6-47.8)	35.6 (34.9-35.9)	56.7 (55.8-57.2)	11.1 (10.5-11.2)	34.3 (33.5-34.8)	14.1 (13.5-14.2)	34.7 (34.0-34.9)	16.7 (16.2-16.7)
Positive predictive value (95% CI)	66.1 (55.2-75.4)	8.5 (7.9-8.6)	12.7 (11.3-13.3)	10.9 (9.9-11.3)	14.3 (12.6-15.4)	8.4 (7.8-8.5)	10.2 (9.0-10.8)	8.6 (8.0-8.8)	10.9 (10.0-11.2)	9.0 (8.4-9.0)
Positive likelihood ratio (95% CI)	23.695 (14.969-37.161)	1.127 (1.035-1.145)	1.758 (1.551-1.863)	1.482 (1.330-1.541)	2.029 (1.749-2.201)	1.107 (1.017-1.125)	1.361 (1.190-1.461)	1.147 (1.052-1.165)	1.485 (1.345-1.528)	1.201 (1.114-1.201)
Negative likelihood ratio (95% CI)	0.389 (0.298-0.498)	0.120 (0.006-0.746)	0.160 (0.059-0.370)	0.128 (0.033-0.383)	0.214 (0.101-0.407)	0.137 (0.007-0.852)	0.309 (0.137-0.624)	0.107 (0.006-0.665)	0.087 (0.015-0.332)	0.000 (0.000-0.412)
% identified as suitable for discharge (95% CI)	92.8 (90.9-94.4)	11.8 (9.7-14.1)	44.4 (41.1-47.8)	33.2 (30.1-36.5)	52.4 (49.0-55.7)	10.3 (8.4-12.6)	32.5 (29.4-35.8)	13.1 (11.0-15.6)	32.2 (29.2-35.5)	15.4 (13.2-18.1)
Number of Acute Myocardial Infarctions in patients identified as suitable for discharge (%)	25/805 (3.1)	1/102 (1.0)	5/385 (1.3)	3/288 (1.0)	8/454 (1.8)	1/89 (1.1)	7/280 (2.5)	1/114 (0.9)	2/280 (0.7)	0/134 (0.0)

*Incomplete GRACE scores in 6 cases due to missing creatinine results