Supplemental Material

Table S1. Estimated probabilities of MACCE and the safety composite for specific cTnT levels in increments of 200 ng/L, stratified by conventional versus high sensitivity cardiac Troponin T.

Cut-off (ng/L)	Risk of MACCE (95% CI)		Risk of Safety composite (95% CI)	
	Conventional	High sensitivity	Conventional	High sensitivity
200	10.3 (8.1 to 12.9)	3.5 (2.4 to 5.1)	18.6 (15.9 to 21.7)	6.0 (4.4 to 8.1)
400	19.7 (16.1 to 23.9)	11.3 (9.3 to 13.8)	28.3 (24.0 to 32.9)	16.3 (13.9 to 19.0)
600	27.7 (22.0 to 34.3)	20.9 (17.4 to 24.8)	35.2 (29.0 to 41.8)	27.2 (23.2 to 31.5)
800	34.8 (27.1 to 43.7)	30.8 (25.2 to 37.0)	40.7 (33.0 to 49.0)	37.2 (31.3 to 43.6)
1000	40.6 (30.9 to 51.1)	40.0 (32.2 to 48.3)	45.1 (35.8 to 54.6)	45.9 (38.1 to 53.9)
1200	45.0 (33.9 to 56.5)	48.1 (38.5 to 57.8)	48.2 (38.0 to 58.6)	53.2 (44.0 to 62.2)
1400	49.2 (36.9 to 61.6)	55.0 (44.1 to 65.5)	51.2 (40.1 to 62.2)	59.3 (49.0 to 68.8)

CI, confidence interval.

Table S2. Association of logistic EuroSCORE, cardiac Troponin T and need for vasopressors with MACCE and safety composite

	MACCE OR (95% CI)		Safety composite OR (95% CI)	
	univariable	multivariable	univariable	multivariable
Conventional Troponin T				
Logistic EuroSCORE	2.3 (1.5 to 3.6)	1.6 (1.0 to 2.6)	3.1 (2.2 to 4.4)	2.5 (1.7 to 3.7)
Troponin T	6.1 (3.8 to 9.8)	5.3 (3.3 to 8.6)	3.7 (2.5 to 5.4)	3.1 (2.1 to 4.6)
Vasopressors	1.9 (1.2 to 3.0)	1.4 (0.8 to 2.4)	2.0 (1.3 to 2.9)	1.4 (0.9 to 2.2)
High sensitivity Troponin T				
Logistic EuroSCORE	1.4 (1.0 to 2.1)	1.2 (0.8 to 1.8)	2.1 (1.5 to 2.9)	1.9 (1.3 to 2.8)
Troponin T	8.1 (5.2 to 12.5)	7.9 (5.1 to 12.3)	6.7 (4.5 to 9.9)	6.5 (4.4 to 9.6)
Vasopressors	1.2 (0.8 to 1.9)	1.0 (0.6 to 1.5)	1.4 (1.0 to 2.0)	1.1 (0.7 to 1.6)

OR: odds ratio; CI: confidence interval

'Vasopressors' indicates the need for vasopressors or inotropes within the first 6 hours after surgery. Multivariable analysis included all 3 predictor variables. Odds ratios for logistic EuroSCORE and Troponin T are expressed per 2 standard deviations after log transformation and can be interpreted similar to the ORs of categorical variables.

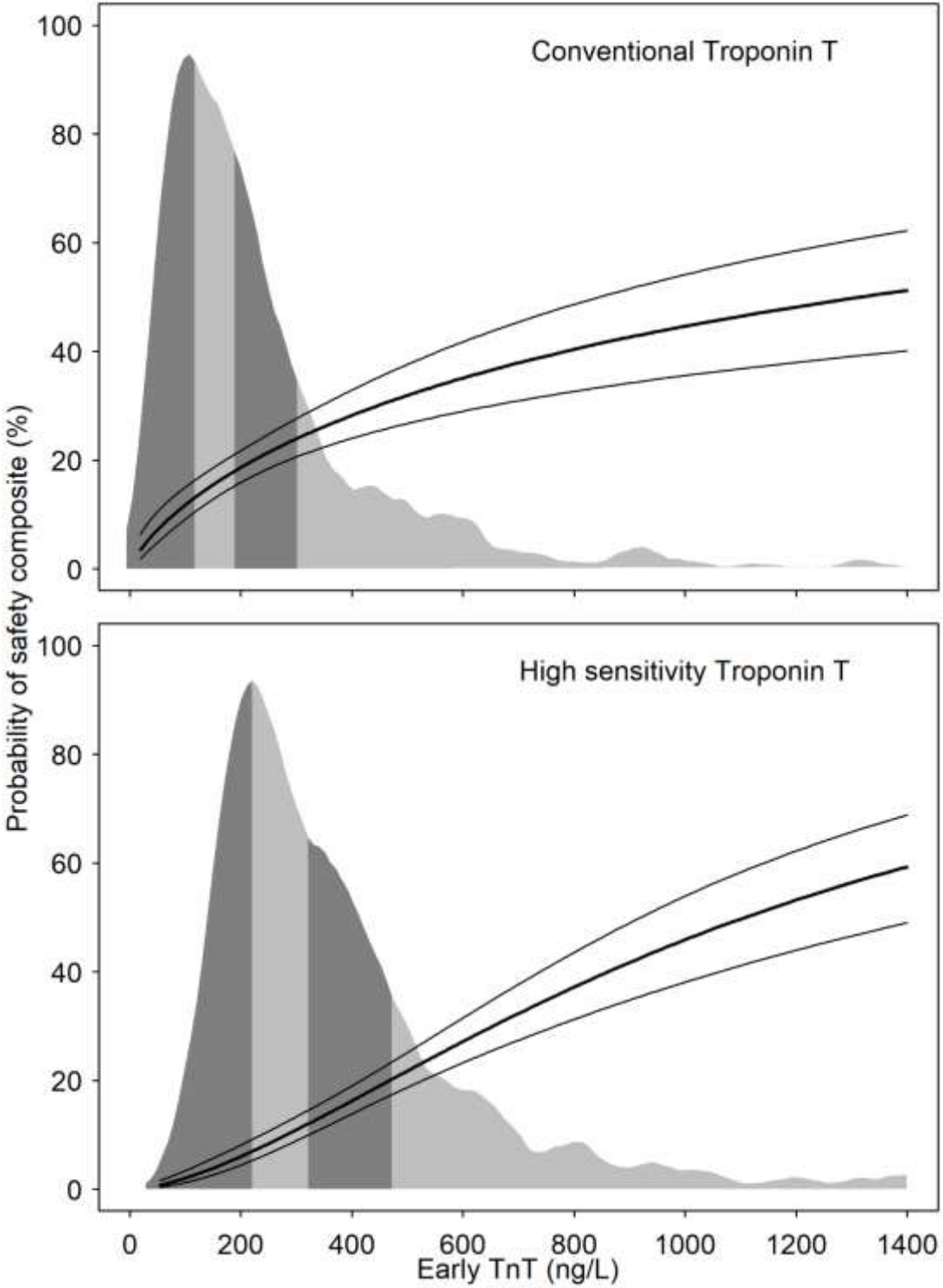**Table S3.** Comparison of observed and predicted probabilities.

	Observed probability (95% CI)		Predicted probability (95% CI)	
	≤ 800 ng/L	>800 ng/L	≤ 800 ng/L	>800 ng/L
MACCE				
Conventional Troponin T	11 (8 to 13)	47 (30 to 65)	10 (4 to 52)	51 (33 to 64)
High sensitivity Troponin T	8 (7 to 10)	53 (41 to 65)	9 (5 to 43)	48 (35 to 59)
Safety composite				
Conventional Troponin T	17 (15 to 20)	68 (49 to 83)	17 (7 to 55)	67 (49 to 74)
High sensitivity Troponin T	12 (10 to 14)	62 (50 to 73)	13 (7 to 45)	57 (44 to 65)

Table S4. Association of pre- and post-operative cardiac Troponin T with MACCE.

	OR (95% CI)	P
Conventional Troponin T		
Pre-operative	1.26 (.874 to 1.82)	0.22
Early post-operative, crude	2.96 (2.23 to 3.95)	<0.001
Early post-operative, adjusted*	3.32 (1.50 to 6.98)	0.003
High sensitivity Troponin T		
Pre-operative	1.00 (.763 to 1.31)	1.00
Early post-operative, crude	5.79 (4.02 to 8.33)	<0.001
Early post-operative, adjusted*	7.78 (3.62 to 16.7)	<0.001

*For pre-operative cTnT

Figure S1. Distribution of early cardiac Troponin T and probability of safety composite.

Risk of in-house safety composite, shaded region represents the distribution of conventional or high sensitivity cTnT, respectively, measured 9 hours after CABG surgery.