Supplement: Validation of the 0/3-h algorithm and the APACE criteria to triage patients in the observe-zone

Supplementary Tables

Table S1: Information on acute coronary syndrome classification algorithms respecting sampling time intervals.

Elapsed Sampling Time	hs-TroponinT Levels & Changes	Classification & Interpretation
Immediate classification (ESC 0h strategy)		
Any time if symptoms started **>3 hours ago**	hs-TroponinT (first test) **<5 ng/L**	**Rule-out (ESC 0h)** –
Any time	hs-TroponinT (first test) **≥52 ng/L**	**Rule-in (ESC 0h)**
Less than 30 minutes between tests	N/A	**Insufficient time interval for reliable classification**
30 to 90 minutes between tests (0/1h strategy)		
	hs-TroponinT (first test) **<12 ng/L** AND absolute change **<3 ng/L**	**Rule-out (ESC 0/1h)**
	hs-TroponinT (first test) **≥12 ng/L** OR absolute change **≥3 ng/L** but **<5 ng/L**	**Observation zone (ESC 0/1h)**
	Absolute change **≥5 ng/L**	**Rule-in (ESC 0/1h)**
90 to 150 minutes between tests (0/2h strategy, Reichlin 2015)		
	hs-TroponinT (first test) **<14 ng/L** AND hs-TroponinT (second test) **<14 ng/L** AND absolute change **<4 ng/L**	**Rule-out (0/2h)**
	Any of the following: hs-TroponinT (first or second test) **≥14 ng/L**, or absolute change **≥4 ng/L**, but hs-TroponinT values remain **<53 ng/L** and absolute change **<10 ng/L**	**Observation zone (0/2h)**
	hs-TroponinT (first and second test) **≥53 ng/L**	**Rule-in (0/2h)**
	Absolute change **≥10 ng/L**	**Rule-in (0/2h)**
More than 150 minutes between tests (0/3h strategy)		
	hs-TroponinT (first test) **≤14 ng/L** AND (hs-TroponinT (second test) **≤14 ng/L** OR absolute change **≤7 ng/L**)	**Rule-out (ESC 0/3h)**
	hs-TroponinT (first test) **>14 ng/L** AND (hs-TroponinT (second test) **≤14 ng/L** OR relative change (absolute change / first test value) **≤0.2**)	**Rule-out (ESC 0/3h)**
	hs-TroponinT (first test) **≤14 ng/L** AND hs-TroponinT (second test) **>14 ng/L** AND absolute change **>7 ng/L**	**Rule-in (ESC 0/3h)**
	hs-TroponinT (first test) **>14 ng/L** AND hs-TroponinT (second test) **>14 ng/L** AND relative change **>0.2**	**Rule-in (ESC 0/3h)**