

Supplementary Material 2. Assessment of Pexelizumab in Acute Myocardial Infarction

(APEX AMI) score

The final model included 7 factors (age, systolic blood pressure, Killip class, heart rate, serum creatinine, sum of baseline total ST deviation, and anterior location of myocardial infarction [MI]) (Table). Figure provides an algorithm and demonstrates how to estimate risk of 90-day death in a hypothetical patient.

Table. Independent correlates of 90-day death in descending order of their χ^2 value, taking bootstrapping results into account

Variables	Adjusted χ^2	HR	95% CI
Age, per increments of 10 years	117.1	2.03	1.80–2.29
Systolic BP, per increments of 10 mmHg	50.5	0.86	0.82–0.90
Killip class 3 or 4 (vs. 1 or 2)	49.9	4.24	2.97–6.08
Heart rate >70 to <110 bpm per increments of 10 bpm	49.1	1.45	1.31–1.59
Heart rate \leq 70 bpm per increments of 10 bpm	0.5	1.04	0.83–1.31
Creatinine, >90 μ mol/L per increments of 10 μ mol/L	21.6	1.23	1.13–1.34
Creatinine, \leq 90 μ mol/L per increments of 10 μ mol/L	0.5	1.05	0.92–1.19
Total ST deviation at baseline per increments of 10 mm	13.6	1.25	1.11–1.40
Anterior MI location (vs. other)	9.2	1.47	1.12–1.93

C-index, 0.81. Heart rate was a linear spline with increasing risk from 0 to 70 bpm, greater increase in risk for increasing values from 70 to 110 bpm, and the same risk for all values >110 bpm. Serum creatinine was a linear variable with increasing risk from \geq 90 μ mol/L and the same risk for all values <90.

BP = blood pressure; bpm = beats per minute; CI = confidence interval; HR = hazard ratio; MI = myocardial infarction.

A

Systolic BP	Score	Heart Rate	Score	Age	Score	Creatinine	Score	total ST Deviation	Score
<=80	29	<40	0	<=35	0	<=30	0	<10	0
80-100	19	40-50	2	35-45	13	30-60	3	10-20	5
100-120	8	50-60	4	45-55	27	60-90	6	20-30	9
>=120	0	60-70	6	55-65	40	90-120	19	30-40	14
		70-80	7	65-75	53	120-150	33	40-50	19
		80-90	15	75-85	66	150-180	46	50-60	23
		90-100	23	>85	73	180-210	60	60-70	28
		100-110	30			210-240	73	>70	33
		>=110	38			240-270	87		
						>270	100		
+	_____	+	_____	+	_____	+	_____	+	_____

Add the total number of points for Clinical Evaluation from the above table: _____

Baseline Risk Factors	Score
Killip Class III/IV	30
Anterior MI	9
Total From Clinical Evaluation Table	
TOTAL SCORE	_____

B

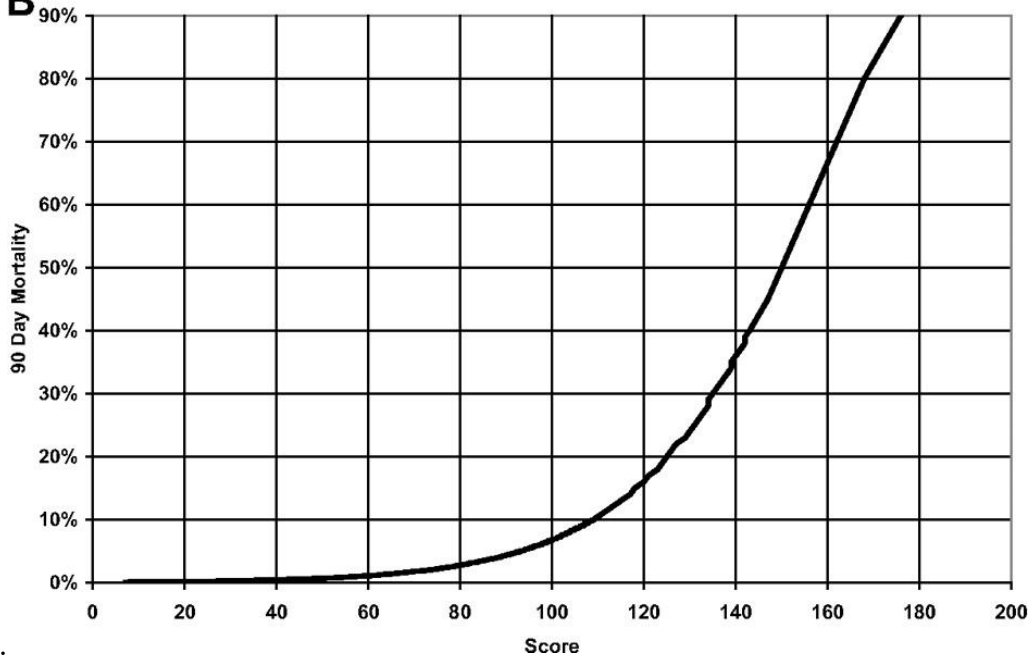


Figure. APEX AMI mortality risk model nomogram. Clinical evaluation scores (A). Predicted rate of 90-day mortality by nomogram score (B).

APEX AMI = Assessment of Pexelizumab in Acute Myocardial Infarction; BP = blood pressure; MI = myocardial infarction.