

Table 2S: Prediction models for perioperative bleeding of any magnitude in cardiac surgery, found in the literature.

Variable	Any RBC Transfusion model ²³ (Odds ratio)		BRISc ²⁴ (points)		TRACK ²⁵ (points)		TRUST ²⁶ (points)		LITMATHE-CABG ²⁷ (points)		TRS-CABG ²⁸ (points)	
Age	Age per 10 year	1.29	<75 years	0	>67 years	6	>65 years	1	>70 years	1	>74 years	2
	Age per 10 year ²	1.03	≥75 years	1								
Gender	Female	1.76	-	-	Female	4	Female	1	Female	1	Female	2
Weight, height, BMI	Height per 10 cm	0.96	BMI ≥25	0	Weight <60 kg (female)	2	Weight <77 kg	1	-	-	BMI ≥24	2
	Weight per 10 kg	0.85	BMI <25	1	Weight <85 kg (male)	2						
Preoperative Hb	Preoperative Hb in g/L if CPB	0.71	-	-	Hct - points per each value (%) <40% (max 13 points)	1-13	Hb <13.5 g/L	1	Hb <11 g/L	3	Low RBC mass <1500 ml per nomogram	2
	Preoperative Hb in g/L if no CPB	0.60										
Previous cardiac surgery	Previous cardiac surgery	1.74	-	-	-	-	Previous cardiac surgery	1	Previous cardiac surgery	2	Previous cardiac surgery	1
Type of operation	Operation type by sex:		CABG or single valve	0	Complex surgery	7	Non-isolated surgery	1	-	-	-	-
	Female and CABG only	1	All other surgery types	1								
	Female and valve only	0.85	No Aortic valve disease	0								
	Female and other only	0.59		1								
	Female and CABG + valve	1.66	AV Stenosis, regurgitation, or both									
	Female and CABG + other	1.05										
	Female and valve + other	0.83										
	Female and CABG + valve + other	1.16										
	Male and CABG only	1										
	Male and valve only	1.05										
	Male and other only	1.14										
	Male and CABG + valve	2.38										
	Male and CABG + other	1.70										
	Male and valve + other	1.22										
	Male and CABG + valve + other	2.16										
	Major aortic procedure	2.02										
Status of operation	-	-	Elective	0	-	-	Non-elective surgery	1	Emergency operation	4	Emergency operation	4
			Urgent or emergency	1					Urgent operation	2	Urgent operation	3
Serum Creatinine	(Serum creatinine in μmoles per litre)/100	2.12	-	-	-	-	Serum creatinine > 1.36 mg/dL	1	Serum creatinine > 1.6 mg/dL	1	Serum creatinine >1.8 mg/dL	1
	(Serum creatinine in μmoles per litre)/100 ²	0.89										
LV EF%	Good (> 50%)	1	-	-	-	-	-	-	Left ventricle EF <0.35	3	Left ventricle EF <0.3	2
	Moderate (30 - 49%)	1.09										
	Poor (< 30%)	1.40										
Shock state	Cardiogenic shock	2.38	-	-	-	-	-	-	Cardiogenic shock	3	Cardiogenic shock	3
	IABP used preoperatively	1.82										
Previous stroke	Previous neurological accident	1.28	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus	Diabetic on medication	1.13	-	-	-	-	-	-	Diabetes (insulin dependent)	1	Diabetes (insulin dependent)	1
Previous MI	MI at ≤ 30 days before operation	1.37	-	-	-	-	-	-	-	-	-	-
Use of CPB	CPB used at any point	2.33	-	-	-	-	-	-	-	-	-	-
Peripheral vascular disease	-	-	-	-	-	-	-	-	-	-	Peripheral vascular disease	1
Preoperative albumin	-	-	-	-	-	-	-	-	-	-	<4 g/dL	1
Least-Maximum score				0-5		20-32		0-8		0-19		0-22
Predictions	Logistic calculation		Score: 0, 3% probability (2-4%) Score: 1-2, 8% probability (7-10%) Score: ≥3, 21% probability (18-24%)		Score: 2, 25-35% approx, Low zone Score: 4, 33-41% approx, Low zone Score: 6, 37-47% approx, Medium zone Score: 8, 47-55% approx, Medium zone Score: 10, 50-57% approx, Medium zone Score: 12, 55-63% approx, Medium zone Score: 14, 58-65% approx, Medium zone Score: 16, 67-73% approx, High zone Score: 18, 72-77% approx, High zone Score: 20, 77-80% approx, High zone		Score: 0, 0-19%, Baseline risk Score: 1, 20-39%, Low risk Score: 2, 40-59%, Intermediate risk Score: 3, 60-79%, High risk Score: 4-8, 80-100%, Very high risk		NA		Score: 0-1, 26% approx., Low risk Score: 2-6, 67% approx., intermediate risk Score: >7, 96% approx., High risk	

BMI: Body Mass Index, Hb: Hemoglobin, Hct: Hematocrit, RBC: Red Blood Cells, CABG: Coronary Artery Bypass Grafting, EF: Ejection Fraction, IABP: Intra-Aortic Balloon Pump, MI: Myocardial Infarction, CPB: CardioPulmonary Bypass.