Table S1. Characteristics of the study sample including performed cardiac surgery procedures (n=200).

Sex	
Female	61 (30.5)
Male	139 (69.5)
Age	66.9 (9.81)
Body mass index (BMI)	28.22 (4.65)
Procedure *	
OPCABG	119 (59.5)
AVR/MVR/MVP	38 (19.0)
AVR/MVR/MVP + CABG	30 (15.0)
Pericardial drainage	4 (2.0)
Aortic aneurysm surgery	3 (1.5)
Bentall procedure	3 (1.5)

CABG	2 (0.1)
Cardiac tumor surgery	1 (0.5)
Extracorporeal circulation	77 (38.5)
History of myocardial infarction	78 (39.0)
Atrial fibrillation	27 (13.5)
History of percutaneous coronary intervention	44 (22.0)
Heart failure $	62 (31.0)
Diabetes mellitus	55 (27.5)
Hyperlipidemia	63 (31.5)
Hypertension	143 (71.5)
Chronic lung disease	13 (6.5)
Renal failure	43 (21.5)
Rheumatoid arthritis	4 (2.0)
Thyroid disease	11 (5.5)
Stroke	7 (3.5)

Age and BMI presented as mean and standard deviation; All remaining data presented as number and percentage;

* OPCABG - off-pump coronary artery bypass grafting

† AVR/MVR/MVP – aortic/mitral valve replacement/mitral valve plasty

‡ CABG – on-pump coronary artery bypass grafting

$ Left ventricular ejection fraction < 50%.

Table S2. Hospital Anxiety and Depression Scale and Visual Analogue Scale-Anxiety scores in the studied sample (n=200).

HADS-Anxiety – norm *	149 (74.5)
Anxiety cases †	51 (25.5)
HADS-Anxiety ‡	4.77 (3.87)
HADS-Depression ‡	3.61 (3.50)
VAS-Anxiety ‡	2.46 (2.55)

HADS - Hospital Anxiety and Depression Scale; VAS – Visual Analogue Scale

* Data are presented as number and percentage

† HADS-Anxiety score > 7 points

‡ Data are presented as mean and standard deviation

Table S3. Spearman's correlation coefficients between Visual Analogue Scale and Hospital Anxiety and Depression Scale scores.

	VAS†-Anxiety
HADS ‡-Anxiety	0.711*
HADS-Depression	0.637*

† VAS - Visual Analogue Scale

‡ HADS - Hospital Anxiety and Depression Scale

* Statistically significant at p ≤ 0.05

Table S4. Results of ROC analysis.

ACC	PPV	NPV	LR(+)	LR(-)
0.740	0.333	0.746	1.461	0.994
0.740	0.400	0.749	1.948	0.981
0.755	0.600	0.763	4.382	0.907
0.770	0.647	0.781	5.356	0.817
0.785	0.667	0.801	5.843	0.725
0.790	0.600	0.845	4.382	0.535
0.765	0.532	0.870	3.325	0.438
0.735	0.488	0.914	2.786	0.276
0.670	0.434	0.977	2.237	0.069
0.585	0.377	0.971	1.767	0.086
0.255	0.255		1.000	

ACC – accuracy; PPV - positive predictive value; NPV - negative predictive value; LR(+) –

positive likelihood ratio; LR(-) – negative likelihood ratio.