

Supplementary material

Sielski J, Kaziród-Wolski K, Siudak Z, et al. Risk of perioperative death and sudden cardiac arrest: a study of 113 456 cases from the National Registry of Invasive Cardiology Procedures (ORPKI) for estimation of the perioperative prognosis. Kardiol Pol. 2021.

Please note that the journal is not responsible for the scientific accuracy or functionality of any supplementary material submitted by the authors. Any queries (except missing content) should be directed to the corresponding author of the article.

Table S1. Prevalence of comorbidities in STEMI patients

Variable	Total	Death during procedure			Cardiac arrest during procedure		
		No	Yes	<i>P</i> -value	No	Yes	<i>P</i> -value
N (%)	113456	111907 (98.6)	1549 (1.4)	—	112511 (99.2)	945 (0.8)	—
Age, years	65 (57–74)	65 (57–74)	72 (63–82)	<0.001	65 (57–74)	68 (60–78)	<0.001
Sex (male)	76199 (67.3%)	75336 (67.5%)	863 (55.8%)	<0.001	75627 (67.4%)	572 (60.6%)	<0.001
Diabetes	19947 (17.6%)	19527 (17.4%)	420 (27.1%)	<0.001	19734 (17.5%)	213 (22.5%)	<0.001
Previous stroke	3729 (3.3%)	3620 (3.2%)	109 (7.0%)	<0.001	3663 (3.3%)	66 (7.0%)	<0.001
Previous MI	14367 (12.7%)	14048 (12.6%)	319 (20.6%)	<0.001	14178 (12.6%)	189 (20.0%)	<0.001
Previous PCI	13107 (11.6%)	12883 (11.5%)	224 (14.5%)	<0.001	12976 (11.5%)	131 (13.9%)	0.03
Previous CABG	2084 (1.8%)	2041 (1.8%)	43 (2.8%)	0.01	2061 (1.8%)	23 (2.4%)	0.17
Smoking status	34124 (30.1%)	33873 (30.3%)	251 (16.2%)	<0.001	33892 (30.1%)	232 (24.6%)	<0.001
Psoriasis	540 (0.5%)	527 (0.5%)	13 (0.8%)	0.04	531 (0.5%)	9 (1.0%)	0.03
Hypertension	67704 (59.7%)	66906 (59.8%)	798 (51.5%)	<0.001	67177 (59.7%)	527 (55.8%)	0.01
Kidney disease	3993 (3.5%)	3853 (3.4%)	140 (9.0%)	<0.001	3935 (3.5%)	58 (6.1%)	<0.001
COPD	2002 (1.8%)	1966 (1.8%)	36 (2.3%)	0.09	1980 (1.8%)	22 (2.3%)	0.19

Abbreviations: CABG, coronary artery bypass grafting; COPD, chronic obstructive pulmonary disease; MI, myocardial infarction; PCI, percutaneous coronary intervention; STEMI, ST-segment elevation myocardial infarction

Table S2. Pre-hospital risk factors and medications used in STEMI patients

Variable	Total	Death during procedure			Cardiac arrest during procedure		
		No	Yes	<i>P</i> -value	No	Yes	<i>P</i> -value
N (%)	113456	111907 (98.6)	1549 (1.4)	—	112511 (99.2)	945 (0.8)	—
ASA	90256 (79.6%)	89185 (79.7%)	1071 (69.1%)	<0.001	89562 (79.6%)	694 (73.4%)	<0.001
Heparin	96241 (84.8%)	94974 (84.9)	1267 (81.8%)	<0.001	95433 (84.8%)	808 (85.5%)	0.56
P2Y12 inhibitor	91592 (80.7%)	90643 (81.0%)	949 (61.3%)	<0.001	90926 (80.8%)	666 (70.5%)	<0.001
GPI IIb/IIIa	35116 (31.0%)	34617 (30.9%)	499 (32.2%)	0.28	34780 (30.9%)	336 (35.6%)	0.01
Time from pain to first contact, hours (≤12; 12–48; >48)	94194 (830%)	93004 (83.1%)	1190 (76.8%)	<0.001	93382 (83.0%)	812 (85.9%)	0.04
	14226 (12.5%)	13973 (12.5%)	253 (16.3%)		14123 (12.6%)	103 (10.9%)	
	5036 (4.4%)	4930 (4.4%)	106 (6.8%)		5006 (4.4%)	30 (3.2%)	
Time from pain to inflation or angiogram, hours (≤12; 12–48; >48)	109232 (96.3%)	107769 (96.3%)	1463 (94.4%)	<0.001	108319 (96.3%)	913 (96.6%)	0.79
	2917 (2.6%)	2857 (2.6%)	60 (3.9%)		2896 (2.6%)	21 (2.2%)	
	1307 (1.2%)	1281 (1.1%)	26 (1.7%)		1296 (1.2%)	11 (1.2%)	
Time from first contact to inflation or angiogram, hours (≤12; 12–48; >48)	100132 (88.3%)	98834 (88.3%)	1298 (83.8%)	<0.001	99278 (88.2%)	854 (90.4%)	0.08
	9739 (8.6%)	9560 (8.5%)	179 (11.6%)		9668 (8.6%)	71 (7.5%)	
	3585 (3.2%)	3513 (3.1%)	72 (4.6%)		3565 (3.2%)	20 (2.1%)	
Direct transport to cath lab	29187 (25.7%)	28703 (25.6%)	484 (31.2%)	<0.001	28822 (25.6%)	365 (38.6%)	<0.001
Killip–Kimball Class (I–IV)	93900 (82.8%)	93515 (83.6%)	385 (24.9%)	<0.001	93505 (83.1%)	395 (41.8%)	<0.001
	11479 (10.1%)	11271 (10.1%)	208 (13.4%)		11359 (10.1%)	120 (12.7%)	
	3590 (3.2%)	3329 (3.0%)	261 (16.8%)		3482 (3.1%)	108 (11.4%)	
	4487 (4.0%)	3792 (3.4%)	695 (44.9%)		4165 (3.7%)	322 (34.1%)	

Abbreviations: ASA, acetylosalicylic acid; GPI glycoprotein inhibitor; NI, not included.

Other — see *Table S1*