## Appendix 1

*Table 1:* Demographic characteristics and clinical presentation characteristics of the patients admitted for acute coronary syndrome between the years 2016, 2017, 2018 and 2019. IQR – interguartile range, MACE – major adverse cardiac events.

	2016	2017	2018	2019	2020	<i>p</i> -
	(N=1106)	(N=871)	(N=697)	(N=952)	(N=642)	value
Age (vears)	66 ± 13	$65 \pm 13$	66 ± 13	66 ± 13	$65 \pm 13$	0.258
Sex (male) (N/%)	825	620	530	708	499	0.051
	(74.6%)	(71.2%)	(76.0%)	(74.4%)	(77.7)	
Smoking (N/%)	305	246	203	242	189	0.301
<b>J</b> ( ,	(33.7%)	(34.5%)	(36.7%)	(32.1%)	(37.1%)	
Arterial	703	579	442	620	396 <i>(</i>	0.324
hypertension	(66.2%)	(69.5%)	(65.1%)	(67.6%)	(65.3%)	
(N/%)	· · ·	· · ·	<b>x y</b>			
Diabetes mellitus	330	263	216	277	160	0.172
(N/%)	(30.8%)	(31.4%)	(31.9%)	(31.9%)	(26.4%)	
Dyslipidaemia	587	464	359	507	318	0.298
(N/%)	(56.8%)	(56.4%)	(52.8%)	(55.3%)	(52.6%)	
Familiar	74 (7.8%)	51 (6.1%)	29 (4.4%)	22 (2.4%)	26	<0.001
cardiovascular	( )	- (,	- ( )		(4.5%)	
history (N/%)						
Angina (N/%)	233	159	125	188	100	0.459
• • •	(24.0%)	(22.6%)	(21.0%)	(24.6%)	(21.6%)	
Previous ACS	165	125	88 (14.6%)	132	87	0.384
(N/%)	(16.8%)	(17.9%)	, , , , , , , , , , , , , , , , , , ,	(16.5%)	(18.8%)	
Valvular heart	40 (4.1%)	19 (2.7%)	14 (2.3%)	18 (2.2%)	13	0.131
disease (N/%)	, ,	, , ,			(2.8%)	
Previous heart	38 (3.9%)	29 (4.1%)	73 (12.1%)	50 (6.2%)	32	<0.001
failure (N/%)	. ,	. ,	. ,		(6.9%)	
Peripheral arterial	61 (6.1%)	35 (4.9%)	20 (3.3%)	32 (4.0%)	19	0.075
disease (N/%)					(4.1%)	
Chronic kidney	39 (4.7%)	41 (6.5%)	33 (5.5%)	63 (7.9%)	29	0.109
disease (N/%)					(6.3%)	
Cancer (N/%)	57 (6.9%)	28 (4.5%)	32 (5.3%)	35 (4.4%)	25	0.162
					(5.0%)	
Chronic	43 (4.3%)	39 (5.5%)	37 (6.1%)	28 (3.5%)	29	0.072
obstructive					(6.3%)	
pulmonary						
disease (N/%)						
Dementia (N/%)	17 (2.2%)	12 (2.2%)	11 (1.8%)	12 (1.5%)	7 (1.5%)	0.803
Previous bleeding	23 (2.4%)	9 (1.4%)	6 (1.0%)	16 (2.0%)	8 (1.8%)	0.290
(N/%)						
Chest pain (N/%)	932	713	550	695	462	0.198
	(91.4%)	(93.4%)	(93.4%)	(92.5%)	(94.5%)	
Hospital transport		400				
Cath lab (N/%)	155	130	115	211	111	<0.001
_	(14.7%)	(16.5%)	(17.1%)	(22.8%)	(19.1%)	0.040
Emergency	605	443	393	542	310	0.316
room (N/%)	(57.4%)	(56.3%)	(58.3%)	(58.5%)	(53.4%)	0.014
SI-elevation	558	479	366	511	331	0.311
myocardial	(50.5%)	(55.0%)	(52.5%)	(53.7%)	(51.6%)	
Interction (N/%)	504	077	210	445	200	0.000
NON-51-elevation	521	3//	310	415	296	0.383
inforction (N/0()	(47.1%)	(43.3%)	(44.5%)	(43.6%)	(40.1%)	
Iniarction (N/%)	150	101	100	100	70	0.670
				133	12	0.079
	(15.7%)	(14.4%)	(10.9%)	(16.9%)	(15.5%)	

Multivessel	337	211	165	192	181	< 0.001
disease (N/%)	(44.0%)	(35.9%)	(34.0%)	(34.5%)	(38.4%)	
	(++.070)	(33.370)	(04.070)	(04.070)	(30.470)	10.001
Pre-nospital	140	139	180	253	176	<0.001
emergency	(19.6%)	(21.9%)	(31.4%)	(30.7%)	(35.1%)	
medical service						
(N/%)						
Transfer to	271	189	155	143	152	< 0.001
another hospital	(25.7%)	(24.0%)	(23.0%)	(15.4%)	(26.2%)	
	(20.170)	(24.070)	(20.070)	(10.470)	(20.270)	
(11/70)	000	077	470	0.40	100	.0.004
Non-	393	2//	1/8	242	183	<0.001
percutaneous	(37.7%)	(36.1%)	(26.6%)	(26.7%)	(31.7%)	
coronary						
intervention						
capable hospital						
(N/%)						
Time from the	152 (80	185 (06	173 (06	188 (02	171 (03	0.008
rime nom me	132 (00,	105 (90,	175 (80,	100 (92,	171 (85,	0.008
onset of	324)	396)	328)	409)	352)	
symptoms to first						
medical contact						
(min) (median,						
IQR)						
Time from the first	153 (53.	147 (63.	159 (60.	152 (60.	175 (60.	0.937
medical contact to	394)	384)	400)	381)	388)	
hospital	001)	001)	100)	001)	000)	
nospital						
admission (min)						
(median, IQR)						
Time from the	261 (163,	280 (197,	300 (198,	251 (180,	285	0.067
onset of	390)	475)	450)	374)	(210,	
symptoms to					443)	
reperfusion (min)					,	
(median IQR)						
Time from the first	105 (61	122 (67	115 (40	105 (60	106 (57	0.657
medical contact to	175)	122 (07,	200)	169)	100 (37,	0.037
medical contact to	175)	169)	200)	108)	172)	
reperfusion (min)						
(median, IQR)						
Time from door to	66 (27,	47 (17,	51 (22,	64 (30,	60 (30,	0.103
reperfusion (min)	156)	145)	133)	117)	160)	
(median, IQR)						
Left ventricular	51 ± 11	52 ± 12	51 ± 11	50 ± 10	51 ± 10	0.188
ejection function						
(%)						
Angiography	946	715	537	573	404	<0.001
narformanas	(95 60/)	(94.00/)	(79.00/)	(60.20/)	(77 40/)	SO.001
	(05.0%)	(04.0%)	(10.9%)	(00.5%)	(11.1%)	
(IN/%)	505	070	005	000	570	-0.00 f
Radial access	595	379	295	880	5/0	<0.001
(N/%)	(73.9%)	(75.5%)	(87.5%)	(92.5%)	(88.9%)	
Percutaneous	756	573	426	485	430	<0.001
coronary	(68.9%)	(67.7%)	(62.8%)	(51.2%)	(67.3%)	
intervention (N/%)						
Coronary arterv	56 (7.1%)	40 (7.8%)	30 (9.0%)	25 (7.6%)	14	0.205
bypass graffing	- ( /	- (	- ()	- (	(4.3%)	
(N/%)					(	
MACE						
Mortality (N/0/)	44 (4 00/)	21 (4 40/)	20 (4 20/)	20 (4 40/)	27	0.000
wortality (N/%)	44 (4.0%)	51 (4.1%)	20 (4.2%)	39 (4.1%)	21	0.998
	- (0 ()		0 / 1 / 10/		(4.3%)	
Reinfarction	7 (0.7%)	4 (0.6%)	6 (1.1%)	5 (0.5%)	1 (0.2%)	0.556
(N/%)					57	
Heart failure	171	79	64 (11.4%)	80 (8.4%)	(9.0%)	< 0.001
(N/%)	(17.8%)	(12.2%)	30 (4.8%)	. ,	14	
. ,	48 (4.6%)	33 (4.1%)	(,	26 (2.8%)	(2.2%)	0.028

Cardiogenic			19 (3.4%)		37	
shock (N/%)	39 (4.1%)	22 (3.4%)		40 (4.2%)	(5.8%)	0.281
New onset atrial			4 (0.7%)		0 (0.0%)	
fibrillation (N/%)	3 (0.3%)	4 (0.6%)		2 (0.2%)		0.287
Mechanical					22	
complication			7 (1.2%)		(3.5%)	
(N/%)	20 (2.1%)	18 (2.8%)		13 (1.4%)		0.035
Complete					12	
atrioventricular			5 (0.9%)		(1.9%)	
block (N/%)	15 (1.6%)	11 (1.7%)		4 (0.4%)		0.058
Sustained					25	
ventricular			18 (3.2%)		(4.0%)	
tachycardia (N/%)	30 (3.1%)	17 (2.6%)		27 (2.9%)	4 (0.8%)	0.782
Cardiac arrest			2 (0.4%)		8 (1.3%)	
(N/%)	5 (0.5%)	4 (0.6%)		6 (0.6%)		0.890
Stroke (N/%)			1 (0.2%)			
	6 (0.6%)	2 (0.3%)		4 (0.4%)		0.112
Major						
haemorrhagic						
events (N/%)						

**Table 2:** Demographic characteristics and clinical presentation characteristics of the patients admitted for acute coronary syndrome between the first wave of SARS-CoV-19 (March to June 2020) and the second and third waves of SARS-CoV-19 infection (November and December 2020 and January and February 2021). IQR – interquartile range, MACE – major adverse cardiac events.

\*\*\* Some variables had missing information regarding the second and third waves, and because of this reason some of relative frequencies calculations did not included all the patients.

	First wave (N=642)	Second and third	<i>p</i> -value
		waves (N=612)	'
Age (years)	65 ± 13	66 ± 13	0.527
Sex (male) (N/%)	499 (77.7%)	444 (72.5%)	0.034
Smoking (N%)	189 (37.1%)	179 (40.9%)	0.240
Arterial hypertension (N/%)	396 (65.3%)	374 (67.5%)	0.436
Diabetes mellitus (N/%)	160 (26.4%)	169 (32.3%)	0.032
Dyslipidaemia (N/%)	318 (52.6%)	305 (55.3%)	0.359
Familiar cardiovascular history	26 (4.5%)	29 (5.4%)	0.508
(N/%)			
Angina (N/%)	100 (21.6%)	62 (18.0%)	0.210
Previous ACS (N/%)	87 (18.8%)	59 (17.2%)	0.540
Valvular heart disease (N/%)	13 (2.8%)	4 (1.2%)	0.108
Previous heart failure (N/%)	32 (6.9%)	22 (6.4%)	0.772
Peripheral arterial disease (N/%)	19 (4.1%)	18 (5.0%)	0.448
Chronic kidney disease (N/%)	29 (6.3%)	20 (5.9%)	0.816
Cancer (N/%)	25 (5.0%)	12 (3.5%)	0.316
Chronic obstructive pulmonary	29 (6.3%)	24 (7.1%)	0.657
disease (N/%)			
Dementia (N/%)	7 (1.5%)	2 (0.6%)	0.315
Previous bleeding (N/%)	8 (1.8%)	5 (1.5%)	0.762
Chest pain (N/%)	462 (94.5%)	349 (90.6%)	0.030
Hospital transport			
Cath lab (N/%)	111 (19.1%)	75 (16.1%)	0.211
Emergency room (N/%)	310 (53.4%)	289 (62.2%)	0.004
ST-elevation myocardial	331 (51.6%)	328 (53.6%)	0.470
infarction (N/%)			

Non-ST-elevation myocardial infarction (N/%)	296 (46.1%)	270 (44.1%)	0.479
Killip-Kimball class >I	72 (15.5%)	53 (15.2%)	0.931
Multivessel disease (N/%)	181 (38.4%)	140 (33.7%)	0.150
Transfer to another hospital (N/%)	152 (26.2%)	91 (19.6%)	0.012
Non-percutaneous coronary intervention capable hospital (N/%)	183 (31.7%)	146 (31.8%)	0.960
Time from the onset of symptoms to first medical contact (min) (median, IQR)	171 (93, 352)	149 (81, 361)	0.190
Time from the first medical contact to hospital admission (min) (median, IQR)	175 (60, 388)	193 (64, 484)	0.346
Time from the onset of symptoms to reperfusion (min) (median, IQR)	285 (210, 443)	295 (191, 415)	0.634
Time from the first medical contact to reperfusion (min) (median, IQR)	106 (57, 172)	139 (74, 205)	0.112
Time from door to reperfusion (min) (median, IQR)	60 (30, 160)	66 (23, 150)	0.766
Left ventricular ejection function (%)	51 ± 10	51 ± 12	0.586
Angiography performance (N/%)	494 (77.1%)	433 (71.2%)	0.018
Radial access (N/%)	570 (88.9%)	227 (94.6%)	0.014
Percutaneous coronary intervention (N/%)	430 (67.3%)	347 (57.0%)	<0.001
Coronary artery bypass grafting (N/%)	14 (4.3%)	19 (7.7%)	0.090
MACE Mortality (N/%) Reinfarction (N/%) Heart failure (N/%) Cardiogenic shock (N/%) New onset atrial fibrillation (N/%) Mechanical complication (N/%) Complete atrioventricular block (N/%)	27 (4.3%) 1 (0.2%) 57 (9.0%) 14 (2.2%) 37 (5.8%) 0 (0.0%) 22 (3.5%)	21 (3.7%) 2 (0.5%) 45 (11.5%) 16 (3.1%) 15 (4.0%) 0 (0.0%) 15 (3.8%)	0.644 0.591 0.224 0.351 0.220 Not available 0.830
Sustained ventricular tachycardia (N/%) Cardiac arrest (N/%) Stroke (N/%) Major haemorrhagic events (N/%)	12 (1.9%) 25 (4.0%) 4 (0.8%) 8 (1.3%)	4 (1.0%) 11 (2.8%) 4 (1.0%) 2 (0.5%)	0.298 0.346 1.000 0.303
(·····)	- ( / .)	- (0.070)	5.000

## Appendix 1

*Table 1:* Demographic characteristics and clinical presentation characteristics of the patients admitted for acute coronary syndrome between the years 2016, 2017, 2018 and 2019. IQR – interquartile range, MACE – major adverse cardiac events.

	2016	2017	2018	2019	2020	p-
	(N=1106)	(N=871)	(N=697)	(N=952)	(N=642)	value
Age (years)	66 ± 13	65 ± 13	66 ± 13	66 ± 13	65 ± 13	0.258
Sex (male) (N/%)	825 (74.6%)	620 (71.2%)	530 (76.0%)	708 (74.4%)	499 (77.7)	0.051
Smoking (N/%)	305 (33.7%)	246 (34.5%)	203 (36.7%)	242 (32.1%)	189 (37.1%)	0.301
Arterial hypertension (N/%)	703 (66.2%)	579 (69.5%)	442 (65.1%)	620 (67.6%)	396 (65.3%)	0.324
Diabetes mellitus (N/%)	330 (30.8%)	263 (31.4%)	216 (31.9%)	277 (31.9%)	160 (26.4%)	0.172
Dyslipidaemia (N/%)	587 (56.8%)	464 (56.4%)	359 (52.8%)	507 (55.3%)	318 (52.6%)	0.298
Familiar cardiovascular history (N/%)	74 (7.8%)	51 (6.1%)	29 (4.4%)	22 (2.4%)	26 (4.5%)	<0.001
Angina (N/%)	233 (24.0%)	159 (22.6%)	125 (21.0%)	188 (24.6%)	100 (21.6%)	0.459
Previous ACS (N/%)	165 (16.8%)	125 (17.9%)	88 (14.6%)	132 (16.5%)	87 (18.8%)	0.384
Valvular heart disease (N/%)	40 (4.1%)	19 (2.7%)	14 (2.3%)	18 (2.2%)	13 (2.8%)	0.131
Previous heart failure (N/%)	38 (3.9%)	29 (4.1%)	73 (12.1%)	50 (6.2%)	32 (6.9%)	<0.001
Peripheral arterial disease (N/%)	61 (6.1%)	35 (4.9%)	20 (3.3%)	32 (4.0%)	19 (4.1%)	0.075
Chronic kidney disease (N/%)	39 (4.7%)	41 (6.5%)	33 (5.5%)	63 (7.9%)	29 (6.3%)	0.109
Cancer (N/%)	57 (6.9%)	28 (4.5%)	32 (5.3%)	35 (4.4%)	25 (5.0%)	0.162
Chronic obstructive pulmonary disease (N/%)	43 (4.3%)	39 (5.5%)	37 (6.1%)	28 (3.5%)	29 (6.3%)	0.072
Dementia (N/%)	17 (2.2%)	12 (2.2%)	11 (1.8%)	12 (1.5%)	7 (1.5%)	0.803
Previous bleeding (N/%)	23 (2.4%)	9 (1.4%)	6 (1.0%)	16 (2.0%)	8 (1.8%)	0.290
Chest pain (N/%)	932 (91.4%)	713 (93.4%)	550 (93.4%)	695 (92.5%)	462 (94.5%)	0.198
Hospital transport Cath lab (N/%)	155 (14.7%)	130 (16.5%)	115 (17.1%)	211 (22.8%)	111 (19.1%)	<0.001
Emergency room (N/%)	605 (57.4%)	443 (56.3%)	393 (58.3%)	542 (58.5%)	310 (53.4%)	0.316
ST-elevation myocardial infarction (N/%)	558 (50.5%)	479 (55.0%)	366 (52.5%)	511 (53.7%)	331 (51.6%)	0.311
Non-ST-elevation myocardial infarction (N/%)	521 (47.1%)	377 (43.3%)	310 (44.5%)	415 (43.6%)	296 (46.1%)	0.383
Killip-Kimball class >I	156 (15.7%)	101 (14.4%)	100 (16.9%)	133 (16.9%)	72 (15.5%)	0.679