

Table 1 Characteristics of hypertensive and normotensive patients with acute coronary syndrome

Variable	Hypertensive (n = 3746)		Normotensive (n = 4101)		P-value
Demographic data					
Age [mean (SD)] (years)	59.7	(11.7)	54.3	(12.8)	< 0.001
Male (No., %)	2239	59.8	3543	86.4	< 0.001
Arab ethnicity (No., %)	2868	76.6	2739	68.8	< 0.001
Clinical history					
History of CAD (No., %)	1997	54.0	1229	30.0	< 0.001
History of heart failure (No., %)	382	10.0	140	3.0	< 0.001
Prior coronary revascularization (No., %)	708	19.0	275	6.7	< 0.001
Dyslipidaemia (No., %)	1847	49.0	742	18.0	< 0.001
Family history of CAD (No., %)	469	12.5	336	8.0	0.9
Diabetes mellitus (No., %)	2024	54.7	1089	26.9	< 0.001
Current smoking (No., %)	961	25.7	1839	44.8	< 0.001
History of renal failure (No., %)	277	7.4	39	1.0	< 0.001
History of stroke (No., %)	269	7.0	69	1.7	< 0.001
Prior aspirin use (No., %)	2133	58.5	1058	25.8	< 0.001
Prior β -blocker use (No., %)	1712	45.7	585	14.3	< 0.001
Prior ACE use (No., %)	1558	41.6	473	11.5	< 0.001
Clinical data at presentation					
Presentation within 12 h of event (No., %)	332	53	619	60.9	< 0.001
Heart rate [mean (SD)] (beats/min)	85	(20)	84	(20)	0.02
Systolic BP [mean (SD)] (mmHg)	144	(31)	128	(25)	< 0.001
Diastolic BP [mean (SD)] (mmHg)	84	(19)	78	(16)	< 0.001
BMI [mean (SD)] (kg/m ²)	27.7	(6.0)	26.0	(4.8)	< 0.001
Ischemic chest pain (No., %)	2993	74.2	3489	84.4	< 0.001
Dyspnoea (No., %)	574	14.2	226	5.5	< 0.001
Killip class > I (No., %)	1052	28.0	753	18.4	< 0.001
GRACE score (No., %)					
Low	2340	63.0	2963	73.6	
Intermediate	1048	28.0	820	20.4	
High	322	8.7	245	6.0	
LV dysfunction (No., %)					
All cases	2124	73.0	2307	74.0	0.3
Severe cases	318	11.0	237	7.7	< 0.001
Coronary angiography (No., %)	1303	34.8	1254	30.6	< 0.001
Left main stem CAD	87	6.7	58	4.6	0.02
Single-vessel CAD	324	24.8	432	34.0	< 0.001
Two-vessel CAD	297	22.7	322	25.7	0.8
Three-vessel CAD	474	36.0	293	23.0	< 0.001
Laboratory findings [mean (SD)]					
First blood sugar (mg/dL)	11	(5.8)	9.7	(5.0)	< 0.001
Fasting blood sugar (mg/dL)	7.5	(3.0)	7.0	(3.0)	< 0.001
Peak CK-MB (ng/mL)	74	(127)	122	(177)	< 0.001
First creatinine (μ mol/L)	111	(91)	94	(59)	< 0.001
Total cholesterol (mg/dL)	4.7	(1.8)	4.9	(1.4)	< 0.001
HDL cholesterol (mg/dL)	1.0	(0.5)	1.0	(0.5)	0.5
LDL cholesterol (mg/dL)	3.0	(1.5)	3.2	(1.1)	< 0.001
Fasting TG (mg/dL)	1.8	(1.1)	1.7	(1.1)	0.054
First haemoglobin (g/L)	13	(2)	14	(2)	< 0.001

SD = standard deviation; CAD = coronary artery disease; ACE = angiotensin-converting enzyme; LV = left ventricular; BP = blood pressure; BMI = body mass index; GRACE = global registry of acute coronary events; CK-MB = creatine kinase MB-fraction; HDL = high-density lipoprotein; LDL = low-density lipoprotein; TG = triglycerides.