

## Supplementary Materials

**Supplementary Table 1.** Characteristics of patients with vs. without cardiac syncope.

	Cardiac syncope (n 25)	Non-cardiac syncope (n 353)	P-value
Males	15 (60)	180 (60)	NS
Age	73.4 (16.9)	63.4 (20.8)	<0.05
Heart diseases in the history	2	38	NS
Previous episodes	13	204	NS
Prodromes	10 (40)	227 (64)	<0.05
Physical injuries	7	76	NS
Arrival mode by EMS	11 (44)	172 (48.7)	NS
High severity triage priority	13 (52)	110 (31.2)	<0.05
ECG upon triage	2 (8)	45 (12.7)	NS

Age is reported as mean and standard deviation, while other variables are reported as absolute number and percentage; EMS, emergency medical service.

**Supplementary Table 2.** Characteristics of patients with vs. without acute principal diseases (APDs) underlying syncope.

	Presence of APDs (n 86)	Absence of APDs (n 292)	P-value
Males	45 (52)	150 (51.4)	NS
Age	64.2 (20.6)	64.1 (20.7)	NS
Heart diseases in the history	13 (15.1)	27 (9.2)	NS
Previous episodes	39 (45.3)	178 (61)	0.01
Prodromes	59 (68.6)	178 (61)	NS
Physical injuries	13 (15.1)	70 (24)	NS

Age is reported as mean and standard deviation, while other variables are reported as absolute number and percentage.

**Supplementary Table 3.** Characteristics of patients with vs. without need of admission.

	Admission (n 97)	Discharge (n 279)	P-value
Males	52 (53.6)	142 (50.9)	NS
Age	76.7 (13)	59.9 (21.3)	0.00
Heart diseases in the history	15 (15.5)	25 (9)	NS
Previous episodes in the history	54 (55.7)	163 (58.4)	NS
Prodromes	44 (45.4)	192 (68.9)	0.00
Physical injuries	29 (29.9)	53 (19)	<0.05
Triage priority code			
white	1 (1)	8 (2.9)	0.00
green	12 (12.4)	105 (37.6)	
blue	29 (29.9)	100 (35.8)	
orange	49 (50.5)	63 (22.6)	
red	6 (6.2)	3 (1.1)	

This table does not include the two deceased patients; age is reported as mean and standard deviation, while other variables are reported as absolute number and percentage.