

Supplementary material

Dobrowolska M, Miękus P, Świątczak M, et al. Two-year prognosis of patients hospitalized for decompensated heart failure in a district general hospital. *Kardiol Pol.* 2021; 79: 302-310. doi:10.33963/KP.15763

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.

Supplementary Table S1. Electrotherapy used in the study groups

Parameters	2010-2011 (n=191)	2016-2017 (n=203)	P value
<i>Electrotherapy - summary</i>			
Implantable cardioverter-defibrillator (ICD and CRT - D), n (%)	42 (22)	62 (31)	0.82
ICD, n	30	46	-
CRT - D, n	12	16	-
Resynchronization devices (CRT - D and CRT - P), n (%)	15 (8)	22 (11)	0.71
CRT - D, n	12	16	-
CRT - P, n	3	6	-
<i>Electrotherapy before hospitalization</i>			
Implantable cardioverter-defibrillator (ICD and CRT - D), n (%)	23 (12)	41 (20)	1.00

ICD, n	17	30	-
CRT - D, n	6	11	-
Resynchronization devices (CRT - D and CRT - P), n (%)	8 (4)	13 (6)	0.62
CRT - D, n	6	11	-
CRT - P, n	2	2	-
<i>Electrotherapy within hospitalization</i>			
Implantable cardioverter-defibrillator (ICD and CRT - D), n (%)	6 (3)	3 (2)	1.00
ICD, n	4	2	-
CRT - D, n	2	1	-
Resynchronization devices (CRT - D and CRT - P), n (%)	2 (1)	2 (1)	1.00
CRT- D, n	2	1	-
CRT - P, n	0	1	-
<i>Electrotherapy within 2-year follow-up period</i>			
Implantable cardioverter-defibrillator (ICD and CRT - D), n (%)	13 (7)	18 (9)	1.00
ICD, n	10	14	-

CRT - D, n	3	4	-
Resynchronization devices (CRT - D and CRT - P), n (%)	3 (2)	5 (2)	1.00
CRT - D, n	3	4	-
CRT - P, n	0	1	-

Abbreviations: see Table 2 .

Supplementary Table S2. Structure of end - points

Parameters	2010-2011 (n=191)	2016-2017 (n=203)	<i>P</i> value
In-hospital death, n (%)	15 (8)	8 (4)	0.13
In-hospital death due to cardiological reasons, n (%)	14 (7)	8 (4)	0.82
All-cause mortality, n (%)	84 (44)	67 (33)	0.03
Rehospitalizations due to HF exacerbation, n (%)	49 (26)	84 (41)	< 0.001
One rehospitalization due to HF exacerbation, n (%)	24 (49)	44 (52)	0.02
Two rehospitalizations due to HF exacerbation, n (%)	14 (29)	17 (20)	0.85
3 and more rehospitalizations due to HF exacerbation, n (%)	11(22)	23(28)	0.07
<i>Causes of HF rehospitalization</i>			
Infections, n (%)	6 (12)	5 (7)	0.13
Acute coronary syndrome, n (%)	7 (14)	3 (4)	
Tachyarrhythmia, n (%)	1 (2)	0 (0)	
Unknown reason, n (%)	33 (64)	54 (79)	
≥ 2 reasons, n (%)	0 (0)	3 (4)	

The lack of compliance, n (%)	4 (8)	4 (6)	
-------------------------------	-------	-------	--

Supplementary Table S3. Cut-off values and prognostic accuracy of the analyzed parameters (for the prespecified cut-off values) as predictors of two- year all-cause mortality and rehospitalizations due to HF exacerbation

Parameters	AUC % (95% CI)
<i>All-cause mortality</i>	
Age, years ≥ 72	71.2 (63.9 - 78.5)
Systolic blood pressure < 120.5 , mm Hg	63.2 (53.4 - 73.0)
Hemoglobin ≤ 14.8 , g/dl	56.9 (48.4 - 65.4)
CRP ≥ 32 , mg/l	61.6 (53.0 - 70.2)
Sodium ≤ 139 , mmol/l	59.2 (49.4 - 69.0)
Glucose ≥ 119 , mg/dl	61.5 (52.9 - 70.2)
High-sensitivity troponin T ≥ 0.0325 , ng/ml	66.2 (57.9 - 74.6)
LDL ≥ 79 , mg/dl	54.6 (43.2 - 66.1)
eGFR ≤ 49 , ml/min/1,73m ²	69.1 (59.8 - 78.3)
<i>Rehospitalization due to HF exacerbation</i>	
Resting heart rate ≥ 86 , bpm	51.5 (41.7 - 61.2)
Systolic blood pressure at discharge ≤ 111 , mm Hg	63.0 (52.7 - 73.3)
CRP ≥ 2.9 , mg/l	57.9 (49.4 - 66.3)
Glucose ≥ 222 , mg/d	53.4 (43.2 - 63.6)
High-sensitivity troponin T ≥ 0.0175 , ng/ml	54.1 (45.9 - 62.3)

LDL \geq 110, mg/dl	58.8 (49.2 - 68.5)
NT-proBNP \geq 8729, pg/ml	56.5 (48.2 - 64.7)
LVEF \leq 24 %	63.3 (54.2 - 72.4)

Abbreviations: AUC, Area Under Curve; CI, confidence interval, other see Table 1, 3.