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## DIABETES AS A PROGNOSIS FACTOR IN PATIENTS WITH HEART FAILURE

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#### OBJECTIVE

To know the influence of diabetes in multipathological patients with heart failure (HF) on re-admission for HF or mortality during the first year follow-up

#### MATERIALS AND METHODS



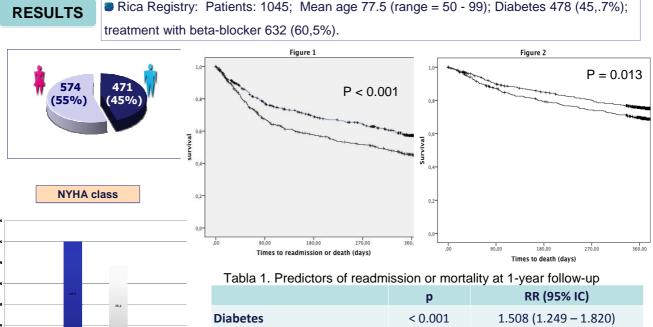
• Rica Registry is a multicenter, prospective cohort study that includes patients admitted for HF.

• Patients from the RICA Register who had completed one year of follow-up were included in the study.

• Statistical analysis was performed with SPSS statistical package. The t-Student test and the chi-square test were used to compare variables in the univariate analysis.

• The Kaplan-Meier survival analysis and the Cox proportional hazard model were used to estimate the independent association between diabetes on re-admission for HF or mortality.





Variables	Non Diabetes	Diabetes	р
Body mass index	28.4 (5.6)	31.1 (14.3)	P <0.001
GFR (MDRD)	56.7 (25.0)	53.1 (22.6)	P< 0.001
Readmission or mortality	223 (39.3%)	244 (51.0%)	P< 0.001

Tabla 1. Predictors of readmission of mortality at 1-year follow-up			
	р	RR (95% IC)	
Diabetes	< 0.001	1.508 (1.249 – 1.820)	
Body mass index (Kg/m <sup>2</sup> )	< 0.001	0.962 (0.946 – 0.979)	
Glomerular filtration rate (MDRD) (ml/min/1.73 m <sup>2</sup> )	0.001	0.992 (0.988 – 0.997)	
Use beta-bolcker	0.003	0.757 (0.629 – 0.910)	
Age	< 0.001	1.023 (1.011 – 1.036)	
Functional class of the NYHA I			
- Class II	0.274	1,290 (0.810 – 2.063)	
- Class III	0.001	2.237 (1.406 – 3.558)	
- Class IV	< 0.001	4.360 (2.379 – 7.999)	

### CONCLUSION

Our analysis confirmed the predictive value of diabetes in patients with HF in the world real, for both composite of re-admission for HF or mortality. Whether improving treatment of diabetes is beneficial for heart failure prognosis should be determined in further studies.