

The prognostic value of thyroid stimulating hormone for long-term all-cause mortality in heart failure treated patients-a comparative analysis across the ejection fraction spectrum

Colentina University Hospital, Bucharest, Romania² 'Carol Davila' University of Medicine and Pharmacy, Bucharest, Romania

Objective

 The aim of our study was to evaluate the relation between the elevated thyroid stimulating hormone (TSH) value and all-cause long-term mortality in heart failure (HF) patients with all ranges of ejection fraction (EF) treated according to the contemporary European Guidelines.

Methods

- retrospectively included consecutive HF • We patients admitted to our Cardiology Department from 2011 to 2014. Patients without contemporary guideline-directed medical therapy, those with inhospital mortality, or incomplete data were excluded. TSH was measured at admission.
- All-cause mortality was assessed in June 2020 after a median follow-up of 96 months.

General characteristics	N = 804 patients
Age	Mean age 81.5
Female patients	57.7%
HFrEF	26%
HFmrEF	32.2%
HFpEF	41.16%
All-cause mortality	40.54%

Diana Ionescu¹, Caterina Delcea^{1,2}, Cătălin Adrian Buzea^{1,2}, Ancuta Vîjan^{1,2}, Anca Breha^{1,2}, Elisabeta Bădilă^{1,2}, Gheorghe-Andrei Dan^{1,2}



correlated with long-term survival of HFmrEF and HFpEF patients.

Results:

Elevated TSH value was a predictor of all-cause mortality in HFrEF patients, but it was not

