Survival of heart failure patients with reduced and preserved ejection fraction is not different!

**KEYWORDS:** heart failure, mortality.

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**Introduction:** A progress in the management of cardiovascular disease leads to a decrease in mortality, but heart failure (HF) seems to be an exception. Today, the rate of rehospitalization and mortality after acute heart failure is still very high. Lower ejection fraction (EF) means worse prognosis, but recent studies are reporting that HF patients with preserved EF have no better survival compared to patients with reduced EF. **Goal:** to investigate a possible difference in the outcome of HF patients with reduced (HFREF) and preserved ejection fraction (HFPEF).

**Patients and Methods:** In 222 patients hospitalized in acute HF (138 with reduced EF and 74 with preserved EF) were determined routine laboratory test, including BNP. The LVEF cutoff for diagnosing of HFPEF was above 45 %.

**Results:** BNP at discharge was higher in HFREF compared to HFPEF group [699.3 (271.8-1519.1) pg/ml vs 263.3 (134.4-502.2) pg/ml, p <0.001]. During 18-month follow-up 129 patients (58.11%) were readmitted due to decompensation, but there was no significant difference between group: in HFREF group was hospitalized 87 (63.04%) patients compared to 42 (50%) patients in HFPEF group (p=0.077). There was no difference in the rate of readmission in 1-month (p=0.7), 6-month (p=0.24), and 12-month follow up (p=0.16) in HFREF vs HFPEF group. In Kaplan-Meier curve there was no significant difference in the mean time of the occurrence of readmission due to repeat decompensation and 2. mortality.

**Conclusion:** Rate of rehospitalization due to decompensation and mortality is not different between HFREF and HFPEF group. Preserved EF is not related to better survival in patients with HF.

**LITERATURE**