

**Invasive Left Heart Catheterization Registry**  
**From Samsung Medical Center, NCT 04505449**  
**(January 2000 ~ August 2019)**

**2550 Patients Who Had a Preserved Ejection Fraction ( $\geq 50\%$ ) and Underwent Left Heart Catheterization**

**LVEDP  $< 16$  mm Hg (n=1349)**

**LVEDP  $\geq 16$  mm Hg (n=1201)**

**Exclusion criteria**

Acute coronary syndrome (n = 295)  
Stable ischemic heart disease (n=387)  
Primary cardiomyopathies (n = 43)  
Significant valvular heart disease (n = 111)  
Pulmonary arterial hypertension (n = 23)  
Prior history of heart transplantation (n = 5)  
Constrictive pericarditis (n = 2)  
Stress-induced cardiomyopathy (n = 43)  
Asymptomatic (n = 134)  
Missing data for calculation of HFA-PEFF Score (n = 214)  
Previous use of diuretics (n=12)

**Exclusion criteria**

Acute coronary syndrome (n = 297)  
Primary cardiomyopathies (n = 41)  
Significant valvular heart disease (n = 34)  
Pulmonary arterial hypertension (n = 6)  
Prior history of heart transplantation (n = 3)  
Constrictive pericarditis (n = 3)  
Stress-induced cardiomyopathy (n = 89)  
Asymptomatic (n = 33)  
Missing data for calculation of HFA-PEFF Score (n = 371)

**Noncardiac dyspnea (n=80)**

**HFpEF (n=324)**

# Exposure Of The Heart

**Marcel A. Müller**



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