

MITRA.fr - 2 Year Results, Percutaneous Treatment for Secondary Mitral Regurgitation

Background: in advanced heart failure (HF), the left ventricle dilates causing the mitral valve to partially close and to allow blood to back into the left atrium – mitral regurgitation. This is referred to as secondary mitral regurgitation.

Purpose: To understand if adding the MITRA clip prevents death or unplanned hospitalization for HF.

Trial Design: randomly assigned (1:1) patients with severe secondary mitral regurgitation (defined as >20mm or a regurgitant volume of >30 ml/beat, LVEF between 15-40% and had symptomatic HF.

Primary Efficacy Endpoint: composite of death from any cause or unplanned hospitalization for heart failure.

	Percutaneous repair group N=109	Medical treatment group N=137	Hazard Ratio
All cause deaths or first unplanned rehospitalization for heart failure at 24 months	N=70 (64.2%)	N= 94 (68.6%)	1.04 (95% CI, 0.76-1.42)

Results: At 24 months, the addition of percutaneous clip to medical treatment does not decrease the rate of death or unplanned hospitalization for HF.

