

Outcomes of the Initial Experience with Commercial Transcatheter Mitral Valve Repair in the United States

Purpose: To report baseline data from the national U.S. TVT registry on transcatheter mitral valve repair (TCMR).

Trial Design: High-risk patients with primary mitral regurgitation (MR) who have had transcatheter mitral valve with MitraClip. These patients are enrolled in the American College of Cardiology/Society of Thoracic Surgeons Transcatheter Valve Therapy Registry. N=564.

Primary Endpoint: procedure success as measured by a decrease in MR with no heart surgery or death following the procedure.

Trial Results	P value
Procedure success	91.8%
Improvement in MR with TVMR	63.7%
In-hospital mortality	2.3%

Conclusions: TCMR improved mitral regurgitation in most of the patients who had this procedure. It was noted that institutional experience and case volume impacted procedure success, but didn't affect major adverse outcomes.