



CLASP IID

One-Year Outcomes of Transcatheter Edge-to-Edge Repair (TEER) in Anatomically Complex Degenerative Mitral Regurgitation (DMR) Patients

Prospective, Multicenter, Multinational, Randomized, Controlled Pivotal Trial

OBJECTIVE: To assess the one-year safety, echocardiographic and clinical outcomes with the PASCAL vs. MitraClip systems.

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PATIENTS

INCLUSION CRITERIA:

- Symptomatic severe DMR (3+ or 4+)
- Prohibitive surgical risk
- Valve anatomy suitable for the PASCAL System

PRIMARY ENDPOINT

ONE-YEAR KAPLAN-MEIER ESTIMATES:

	PASCAL	VS.	MITRACLIP
FREEDOM FROM COMPOSITE MAE	84.7%		88.3%
ALL-CAUSE MORTALITY	91.2%		91.6%
HF HOSPITALIZATION	91.9%		96.7%

SECONDARY OUTCOMES

SIGNIFICANT MR REDUCTION ACHIEVED AT ONE YEAR WITH PASCAL VS. MITRACLIP RESPECTIVELY:

MR_{≤2+}: 95.8% vs. 93.8%

MR_{≤1+}: 77.1% vs. 71.3%

CONCLUSION

At one year, mitral valve TEER with PASCAL was noninferior to MitraClip and demonstrated safety and significant MR reduction, with continued improvement in clinical, echocardiographic and functional outcomes.

Smith RL, Lim DS, Gillam LD, et al. One-year Outcomes of Transcatheter Edge-to-Edge Repair in Anatomically Complex Degenerative Mitral Regurgitation Patients. Presented at TCT 2023.

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