What is the right ventricular response to transcatheter edge-to-edge repair for mitral regurgitation? Biventricular pressure-volume (PV) analysis was performed with a conductance catheter (CD Leycom) in a patient in their 80s with severe primary mitral regurgitation (MR), before and after transcatheter leaflet approximation (Figure). MitraClip deployment resulted in decreased left atrial pressure (LAP) (24 to 16 mm Hg) and V-wave amplitude (47 mmHg) dramatically in this patient. Consequently, RV Ea declined after MitraClip implantation, illustrating the pivotal role of left-sided filling pressures in RV afterload. This finding explains the observed improvements in RV function following transcatheter leaflet approximation and complements previous reports characterizing LV function after MitraClip implantation.

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**REFERENCES**


**Figure.** Right (RV) (A) and left ventricular (LV) (B) pressure-volume loops. $E_a$ indicates end-systolic elastance; ESPVR, end-systolic pressure-volume relationship; ESPVR, end-systolic pressure-volume relationship.