



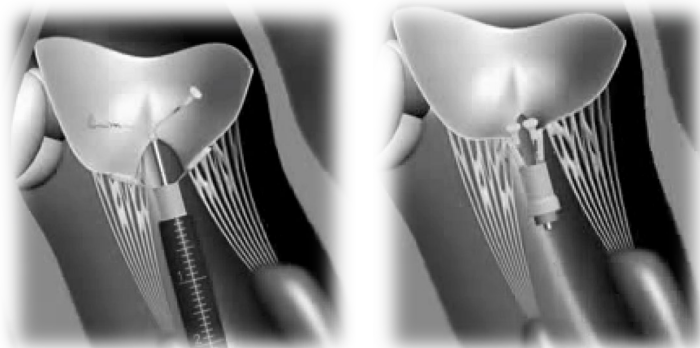
Colorado State University

JAMES L. VOSS VETERINARY TEACHING HOSPITAL

Transcatheter Edge-to-Edge Mitral Valve Repair in Dogs

Based on promising early clinical results, Colorado State University (CSU) is offering a minimally invasive beating-heart mitral valve repair for dogs with severe mitral regurgitation (MR).

Procedure: Transcatheter edge-to-edge mitral valve repair (TEER) is a minimally invasive beating-heart intervention for treatment of severe MR secondary to degenerative mitral valve disease. Worldwide, the TEER procedure (MitraClip) has been performed in more than 100,000 human patients and is now considered an alternative to surgical mitral valve repair.



TEER procedure in dogs is performed under general through a small incision in the chest wall (2”) and transapical cardiac approach in the beating heart under fluoroscopic and transesophageal echocardiography guidance with a device called V-Clamp. A video of the procedure can be viewed at: [V-Clamp Videos](#)

Early clinical evaluation of the TEER procedure over the last two years have been associated with low-risk, meaningful decreases in MR severity, and improved quality of life. Patients typically are walking outside the day after the procedure and released from the hospital within 2 days.

Eligibility: Dogs must be under the care of a veterinary cardiologist. Inclusion criteria are:

- body weight 4 to 15 kg
- severe degenerative MR (stage late B2 / early C)
- appropriate anatomy for edge-to-edge repair (primary A2 segment prolapse)
- absence of significant non-cardiac disease

Initial eligibility is determined by the CSU Heart Team after evaluation of the referring cardiologist’s report and echocardiographic DICOM images. A link for transmitting images is available on request. Final determination for eligibility is made under anesthesia by transesophageal echocardiography just prior to procedure.

Costs: Medical costs of the procedure (pre-op evaluation, procedure, aftercare) are estimated at \$6K to \$8K. In addition, a device must be purchased directly from Avalon Medical at a cost of \$7,250 the day before the procedure. Some dogs may need two devices to achieve the best results. If so, the second device is no charge.

Follow-Up Care: Dogs will be returned the care of the referring cardiologist after the procedure. Regular follow-up evaluations by the referring cardiologist over a minimum period of 1 year are expected.

For more information, please email:

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