

## Structural Heart Program and Transcatheter Aortic Valve Replacement (TAVR)

\$1,000,000 in seed funding

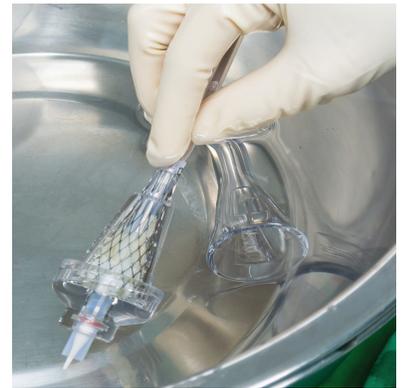
One of the most common serious heart valve diseases, aortic stenosis largely affects older people. While the traditional treatment is open-heart surgery, many older patients are too frail to endure such a procedure and the lengthy recovery period that follows. For them, TAVR can be a life-changing alternative, and soon these patients can stay right here at Marin General Hospital to have it done. The term “structural heart disease” refers to congenital or acquired defects in the heart’s valves, wall, or chambers. Our Structural Heart Program will provide treatment for aortic stenosis, mitral valve issues, patent foramen ovales (PFOs), and atrial septal defects (ASD). One of the key components of our expanded services will be performing a minimally invasive alternative to open-heart valve replacement surgery called TAVR.

Performed by the catheterization lab team, and led by an interventional cardiologist, TAVR involves threading a catheter with a prosthetic valve through a blood vessel in the patient’s groin and up to the heart. Once the new valve is perfectly positioned, it is opened, pushing aside the flaps of the natural, defective valve and effectively replacing it. Compared to open-heart surgery, TAVR offers the following significant benefits:

- Shorter procedure, typically lasting 30–45 minutes
- The patient recovers from a puncture wound as opposed to the chest being opened
- Can be performed with either minimal sedation or general anesthesia
- Shorter recovery period, returning home in 2–3 days
- No need to use a heart-lung bypass machine
- Stroke risk is lower in intermediate risk patients

**Most importantly, TAVR improves both life expectancy and quality of life for patients who may not otherwise have a treatment option.**

At first, TAVR was only recommended as an option for patients too frail to risk open-heart surgery. However, now the procedure has also been FDA approved for patients who are at intermediate risk for surgery after it was shown to be just as effective as open-heart surgery. Studies are also being done in lowest-risk patients. It is anticipated that TAVR will become the standard of care for most aortic stenosis patients in the future. Under Dr. Ramon Partida’s leadership, we are currently refining our protocols and putting together our TAVR Program with the goal of offering the procedure in 2018.



“TAVR has redefined our field. It is able to provide symptom relief and improved quality of life to a large patient population, and we are excited to provide this lifesaving treatment option to patients in our community.”

~ **RAMON PARTIDA, MD**  
*Structural Heart and  
Interventional Cardiologist*

**FOR MORE THAN 30 YEARS**, Marin General Hospital has been at the heart of cardiovascular innovation. Our Haynes Cardiovascular Institute is known for leading-edge therapies, pioneering services, and a truly exceptional team of specialists and subspecialists. We offer a full range of cardiovascular care, including education, prevention, diagnostics, treatment, and rehabilitation for cardiovascular conditions of all kinds. We have continually added to and enhanced our facilities and capabilities to keep pace — and in some cases set the pace — for advanced cardiovascular care for our community.

- **ONLY** accredited Chest Pain Center in the North Bay and San Francisco
- The door-to-dilation goal set by the American College of Cardiology is 90 minutes — we do it in **45 MINUTES**
- One of the **FIRST** hospitals in the Bay Area to have an interventional cardiology team available 24/7
- **ONLY** Heart Surgery Program in Marin County
- **ONLY** comprehensive Vascular Program in Marin County
- **ONLY** Cardiac Rehabilitation Center in the Bay Area to offer patients a choice of two distinct, evidence-based approaches
- **FIRST** in Northern California to offer Dr. Dean Ornish's Program for Reversing Heart Disease®

For more information about the Haynes Cardiovascular Institute, or to learn how to make a gift, please contact Marin General Hospital Foundation at **1-415-925-7770** or **foundation@maringeneral.org**.

