

# Transcatheter Valve Repair and Replacement: TAVR and MitraClip®

## A word from the directors of the Complex Heart Valve Program

The OHSU Knight Cardiovascular Institute is proud to offer transcatheter mitral valve repair and aortic valve replacement (TAVR) for suitable candidates. Both MitraClip® mitral valve repair and TAVR (transcatheter aortic valve replacement) are FDA-approved for certain patient sub-groups and can provide safe, effective treatment. These therapies augment our comprehensive surgical heart disease portfolio.

We offer every form of percutaneous and surgical intervention for heart valve repair and replacement: PCI with rotational atherectomy, IVUS, FFR, ICE, percutaneous ventricular assist devices (Impella and TandemHeart), valvuloplasties (aortic, mitral and pulmonic), PFO/ASD closures, ethanol septal ablations, arterial embolizations and peripheral interventions. OHSU was the first to implant a Melody transcatheter pulmonary valve in Oregon and has performed the most percutaneous valve procedures in the region. OHSU is the only center in the region that offers all commercially available transcatheter valves, including the Melody® pulmonary valve as well as TAVR with both the Edwards SAPIEN XT® or the Medtronic CoreValve® System.

If you have any questions and would like to consult with our team, please feel free to call us at **800 245-6478**.  
Sincerely,

Saurabh Gupta, M.D.  
Matt Slater, M.D.

## MitraClip® mitral valve repair

MitraClip® is intended to treat patients with significant symptomatic degenerative mitral regurgitation ( $\geq 3+$ ) who are deemed to be at prohibitive risk for surgical mitral valve repair or replacement. Patients may also be eligible to participate in the COAPT research trial for functional mitral regurgitation. MitraClip is a permanent implant that attaches to the mitral valve leaflets, allowing greater closure and reducing valve leakiness. It is inserted by a catheter through the femoral vein and guided into the heart, where it is positioned by grasping both leaflets of the mitral valve under echo guidance.

## Transcatheter aortic valve replacement (TAVR)

TAVR is indicated for patients with severe symptomatic aortic valve stenosis who have been determined to be either inoperable or high-risk for surgical aortic valve replacement.

## CMS coverage

Both MitraClip and TAVR are covered by CMS (Centers for Medicare & Medicaid Services) and most major commercial insurances for appropriate patients.

## Ongoing research

We are also a research site for the COAPT trial for treatment of functional MR with the MitraClip system, and the Portico™ Transcatheter Aortic Valve System, a new generation TAVR device.



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## Our team

Coordinated, state-of-the-art multidisciplinary evaluation and care provided by specialties including cardiac surgery, interventional cardiology, cardiac imaging and interventional radiology.

- **Saurabh Gupta, M.D.**  
Co-director
- **Matt Slater, M.D.**  
Co-director
- **Joaquin Cigarroa, M.D.**  
Interventional cardiology
- **Maros Ferencik, M.D.**  
Echocardiography
- **Christina Fuss, M.D.**  
Cardiac imaging and chest radiology
- **Steve Heitner, M.D.**  
Echocardiography
- **John Kaufman, M.D.**  
Interventional radiology
- **Matthias Merkel, M.D.**  
Cardiovascular critical care
- **Victor Rodriguez, M.D.**  
Cardiac surgery
- **Howard Song, M.D.**  
Cardiac surgery
- **Randall Ward, R.N.**  
Heart valve coordinator
- **Kevin Wei, M.D.**  
Echocardiography

## About the Complex Heart Valve Service at OHSU

The Complex Heart Valve Service at OHSU offers high-quality care for patients with advanced heart valve disease.

Our multidisciplinary team is composed of sub-specialty cardiologists and cardiac surgeons with special expertise in valvular heart disease. The heart valve team extends across the hospital system, where cardiovascular anesthesiologists, cardiac nurses and critical care specialists all work together to care for patients with valvular heart disease. Throughout the clinic visits, hospitalization or procedures, we are committed to keeping the patient's primary care physician and primary cardiologist up to date.

An interventional cardiologist and cardiac surgeon see patients during one coordinated clinic visit. Our heart valve team includes ICU, cardiothoracic surgery, cardiac imaging and cardiac anesthesia. Presence of relevant specialties all in one place allows the team to formulate a patient's treatment plan within a single visit, which is then communicated to the patient and referring providers. The heart valve coordinator assists in navigating the entire spectrum of cardiac care.



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