

Transcatheter Aortic Valve Replacement at Rush



#33 in the nation.



Transcatheter aortic valve replacement (TAVR) is a minimally invasive procedure used to treat aortic stenosis without open heart surgery. It is used to treat severe aortic stenosis, a type of valve disease in which the aortic valve becomes narrowed over time, reducing blood flow from the heart into the aorta. Chest pain, shortness of breath and other symptoms should disappear after the diseased valve is replaced. It can increase the chance of survival and is an effective choice for people considered at risk of complications from a traditional aortic valve replacement procedure, or those who can't undergo open heart procedures. It is often recommended for older adults, those who are frail, or individuals who have additional medical conditions which make them a better candidate for this type of procedure.

Cardiologists at the Rush Center for Adult Structural Heart Disease use FDA approved TAVR valves. Procedures are performed in Rush's interventional platform, in a multi-use, hybrid space where surgical and catheter-based procedures are both performed. This room provides specialists with all the necessary technology they need to collaborate and utilize their individual skill sets to deliver high quality outcomes for patients.

A new technique referred to as BASILICA (Bioprosthetic or Native Aortic Scallop Intentional Laceration to Prevent Iatrogenic Coronary Artery Obstruction) uses wire-transmitted electrical energy to perforate the leaflet of the bioprosthetic valve and lacerate the leaflet prior to placing the TAVR valve. This results in a splitting of the leaflet so that when the new valve is placed there is no compromise of coronary blood flow due to leaflet obstruction.

Our capabilities

- Available for patients who are at risk for open heart surgery or looking for alternative options to traditional open heart surgery
- Procedure performed in a hybrid lab to deliver high quality outcomes for patients
- Recovery in the hospital usually takes one to two days
- Experienced providers at Rush have performed over 400 TAVR procedures in the last three years

Location

1725 W. Harrison St.
Suite 1159
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Interventional Cardiologists



Fareed Moses S. Collado, MD



Clifford J. Kavinsky, MD, PhD

Deputy Director, Cardiac
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Neeraj Jolly, MD



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Thoracic and Cardiac Surgeons



Chadrick A. Cross, MD



Henry Sullivan, MD



Michael W. Frank, MD



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Advanced Practice Providers



Alicja M. Achimowicz, NP



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