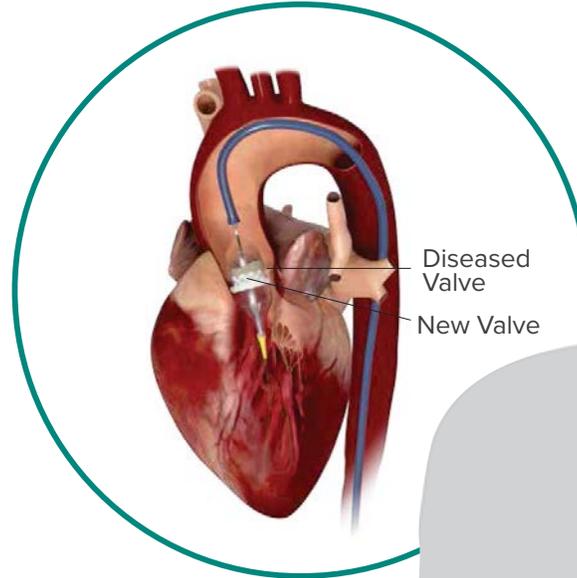


TAVR/TAVI Procedure Details



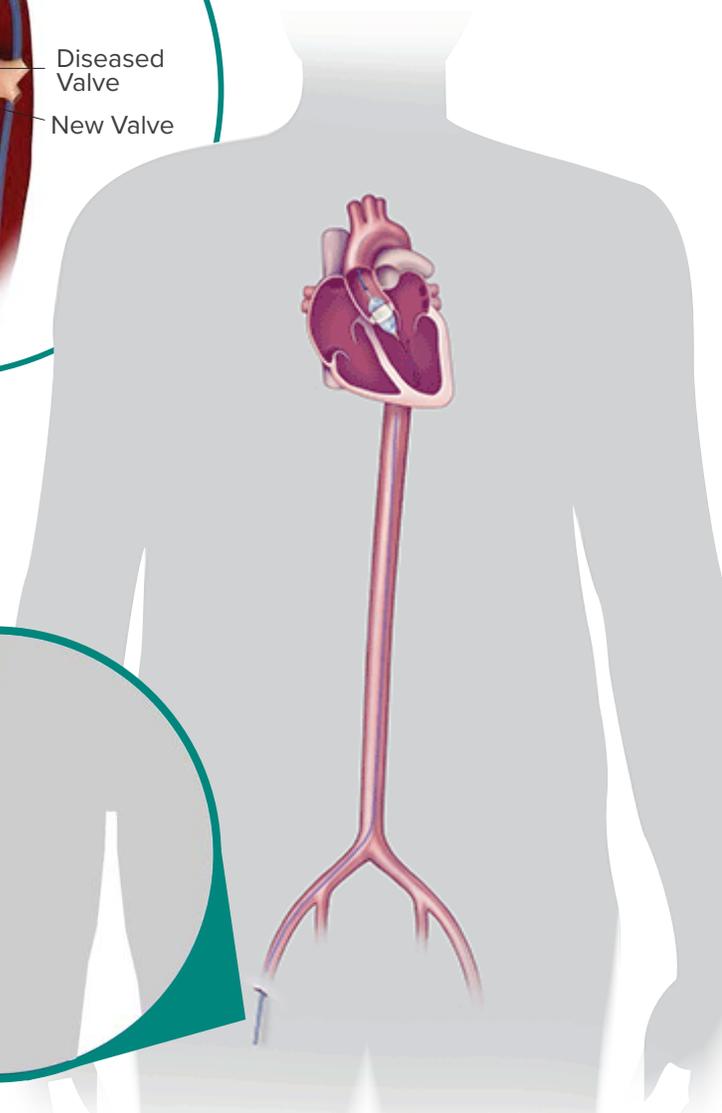
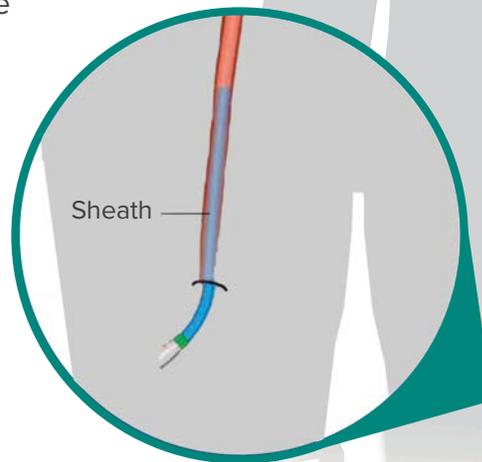
What is TAVR/TAVI?

A transcatheter aortic valve replacement (TAVR), also sometimes called a TAVI (transcatheter aortic valve implantation), is a **minimally invasive surgical procedure that repairs a damaged aortic valve.**

Specifically, a replacement valve is inserted and wedged into the aortic valve's place without even having to removal of the damaged valve.

TAVR/TAVI Procedure Details

Your procedure could happen one of two ways. If your physician uses an Edwards valve, the valve is placed onto a small uninflated balloon, inserted into the body via a catheter, and tracked to the heart for implantation. The catheter may be inserted through the femoral artery or through a small incision in the chest over the heart. When the valve is positioned inside the faulty aortic valve, the balloon is inflated and the valve is precisely positioned. If your physician uses a Medtronic CoreValve, the valve is self-expanding, which means there is no need for a balloon. Talk to your doctor about which procedure they recommend for you.



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TAVR/TAVI Procedure Details



Who is a good candidate for this type of surgery?

Now available to patients considered to be:

- low risk
- intermediate risk
- high risk

TAVR/TAVI enables replacement of the aortic valve without opening the chest or using a heart-lung pump. Most patients who have this procedure often have other medical conditions that make them a better candidate for TAVR/TAVI surgery and, although relatively new, TAVR/TAVI can be **an effective option to improve quality of life in patients who otherwise have limited choices for aortic valve repair.**

Benefits of TAVR/TAVI

A TAVR/TAVI procedure provides many beneficial treatment options. In addition to its availability as an option to many patients who many not have been candidates for heart valve surgery, the TAVR/TAVI procedure benefits include:

- A shorter procedure time
- Less pain
- Walking same day of procedure
- Shorter stay in the hospital (1–2 days)
- Shorter recovery period (about 1 week)

TAVR/TAVI provides both short- and long-term relief of symptoms, normal aortic function, and **improvement in overall life quality and expectancy.**

Risks

Potential risks of valve replacement vary significantly from person to person depending on age, overall health and other factors.

Springfield Clinic's Valve Clinic team will evaluate the patient's condition and determine if they are a good candidate for TAVR/TAVI. This analysis includes:

- A comprehensive physical examination
- Evaluation of blood tests and imaging studies which may include an ECG, echocardiogram, coronary angiogram and/or other tests.

It is important to note that untreated severe aortic stenosis poses a risk of progressive symptoms or death.



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