



Transcatheter Aortic Valve Replacement (TAVR; TAVI)



Overview

This procedure treats aortic valve stenosis. It replaces your damaged aortic valve with a new valve. We'll use a tube called a "catheter" to put in the new valve. That's easier on your body than using surgery to open your chest and heart.

Preparation

To begin, you're given medicine to make you feel relaxed and numb. Now, we need to get the catheter into your heart. There's a few ways to do this. We may choose to make a small opening in one of your blood vessels. We push the catheter in it and guide the catheter to the heart. Or, we may choose to make a small opening for the catheter in your chest. Then, we make a tiny puncture in the apex of your heart and guide the catheter into the heart that way.

Fixing the valve

Now it's time to replace the aortic valve. We push a collapsible valve through the catheter. We position it within the valve, and then expand it. The new valve is held securely in place by the old valve. It restores your heart function.

End of procedure

When we're done, we close and bandage your skin. We monitor you closely after the procedure. We'll watch you until it's safe to go home. Follow your care plan for a safe recovery.

