



The Surgical Institute
at True North

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Abdominal Aortic Aneurysm Repair

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What is an abdominal aortic aneurysm?

The aorta is the largest artery in the body. It leads from your heart down through the inside of your chest and abdomen. The section that goes through the abdomen is called the abdominal aorta. The walls of your aorta are normally thick enough to handle the force of the blood pressure from the heart. However, a balloon-like bulge in the wall of the aorta called an aneurysm can occur, which has the potential to split or rupture over time.

The procedure:

The procedure is performed under general anesthesia. During the procedure, the surgeon accesses the artery in the groin with a small needle. A thin, flexible tube (catheter) is threaded up through the artery and to the site of the aortic aneurysm. A stent graft is sent along the catheter to the aneurysm. The stent graft is a tube made of a thin metal mesh (the stent), covered with a thin polyester fabric (the graft). This stent graft is opened inside the aorta and fastened in place. The stent graft stays in place, protecting that part of the aorta, and prevents the aneurysm from rupturing. After the procedure is complete, you will be admitted to the ICU for monitoring.

Endovascular
Aortic Aneurysm Repair

