

HEART HOSPITAL PENANG

ENDOVASCULAR ANEURYSM REPAIR (EVAR)



Endovascular Aneurysm Repair (EVAR) is a minimally invasive procedure used to treat Abdominal Aortic Aneurysms (AAAs). The aorta, the body's largest artery, carries blood from the heart to the rest of the body. EVAR involves making small punctures and using advanced instruments to reinforce weakened areas of the abdominal aorta, reducing the risk of rupture and improving blood flow. Performed under general or regional anaesthesia, EVAR offers less discomfort and a faster recovery compared to traditional open surgery.



Who is a Candidate for EVAR?

Determining whether you are a candidate for EVAR involves several important factors. Generally, EVAR is recommended for patients with AAAs that are larger than 5 cm in diameter or those that are growing rapidly. The decision is also influenced by the shape and health of your blood vessels.

For many, age and underlying health conditions make open surgery a risky choice. Those with cardiovascular issues or complications from diabetes may find EVAR a more suitable option. Our vascular surgeons will conduct a thorough evaluation, often including imaging studies like a CT scan, to assess your specific situation and recommend the best treatment plan.

What Happens During the EVAR Procedure?

The EVAR procedure typically lasts 2 to 3 hours and is performed in a controlled environment.



Recovery and Aftercare

Shorter Recovery Time

- After the procedure, most patients are encouraged to get up and walk within 24 hours.
- You will typically spend 2 to 3 days in the hospital, where our attentive nursing staff will monitor your progress and provide any necessary pain management.

After Discharge

- Mild discomfort around the incision sites is
- While you can gradually resume your daily
- appointments, we will perform imaging studies to monitor the stent graft and

What Are the Risks and Complications of EVAR?

Potential complications include:

- Endoleak, a condition in which blood continues to flow into the aneurysm despite the stent graft.
- Infection at the incision sites
- Stent migration, where the stent moves from its original position.
- Kidney function may be affected, particularly in patients with existing kidney issues.

However, our skilled team at Northern Heart Hospital takes every precaution to minimise these risks. By conducting thorough preoperative assessments and utilising stateof-the-art imaging technology, we ensure that you receive the safest and most effective care possible.

X-ray image showing EVAR procedure involving the placement of an expandable stent graft and fenestrate stent graft within the abdominal aorta and common iliac artery to treat aortic aneurysm.

Clinic Operating Hours

Monday - Friday Saturday Sunday and Public Holidays | Closed

| 8:30am to 5:00pm | 8:30am to 1:00pm

Make an Appointment

Scan for E-brochures

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