

# Who We Are

The Vascular & Interventional Centre has an expert team of doctors well-versed in the current minimally invasive techniques and medical treatments. Our team of specialist doctors and staff strive to provide patients with holistic care in a fully integrated clinic and ambulatory surgery centre for a range of diseases.

Find out more @  
[www.sgvasculargrp.com](http://www.sgvasculargrp.com)

# Visit Us

## **VIC Day Surgery @ Novena Specialist Center**

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## **VIC @ Mount Elizabeth Novena Specialist Centre**

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## **VIC @ Gleneagles Medical Centre**

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Finding Relief From  
**Venous Leak  
& Erectile  
Dysfunction**

## WHAT IS VENOUS LEAK & ERECTILE DYSFUNCTION?

**Erectile dysfunction** is the inability to get or keep an erection firm enough to have sexual intercourse, affecting one in five men.

**Venous leak** is responsible for over 80% of erectile dysfunction. An erection occurs when the penis stores sufficient blood. Venous leak is an inability to maintain an erection in the presence of sufficient arterial blood flow through the cavernosal arteries of the penis. The defect lies in the excessive outflow of veins (venous leak) in the cavernosal tissue of the penis, which undermines normal erectile function during intercourse.

## WHAT ARE THE CAUSES AND RISK FACTORS?

Some common risk factors include:

- High blood pressure
- High cholesterol
- Diabetes
- Peripheral vascular disease
- Excessive stress
- Obesity
- Family history of atherosclerosis
- Smoking
- Anxiety

## HOW IS VENOUS LEAK DIAGNOSED?

- **Doppler ultrasound** – To examine blood flow in and out of the penis
- **Cavernosography** – To visualise venous leakage using radiographic contrast

## OUR TREATMENT

### **Endovascular (retrograde/ anterograde) embolisation**

involves the embolisation of the periprostatic venous plexus via inserting a thin catheter into the deep dorsal vein or femoral vein.

The catheter is guided to the affected vein with the assistance of x-ray fluoroscopy. Tiny titanium coils and an embolic agent are injected through the catheter to seal off the affected vein(s) permanently of the penis for erectile dysfunction

## WHAT WOULD YOU EXPECT?

- This procedure is performed under light sedation, and patients are usually discharged on the same day from our centre
- Minimal pain, discomfort
- No surgical scar
- Quick return to daily activities

## WHO IS ELIGIBLE?

- Patients who are diagnosed with venous leak
- Patients who want to avoid invasive surgery

To find out if the procedure is right for you, you may request a consultation with one of our doctors to help you understand your options and choose the best treatment.

