

### Vascular Unit - IMPROVING QUALITY OF LIFE



**Department Director:**

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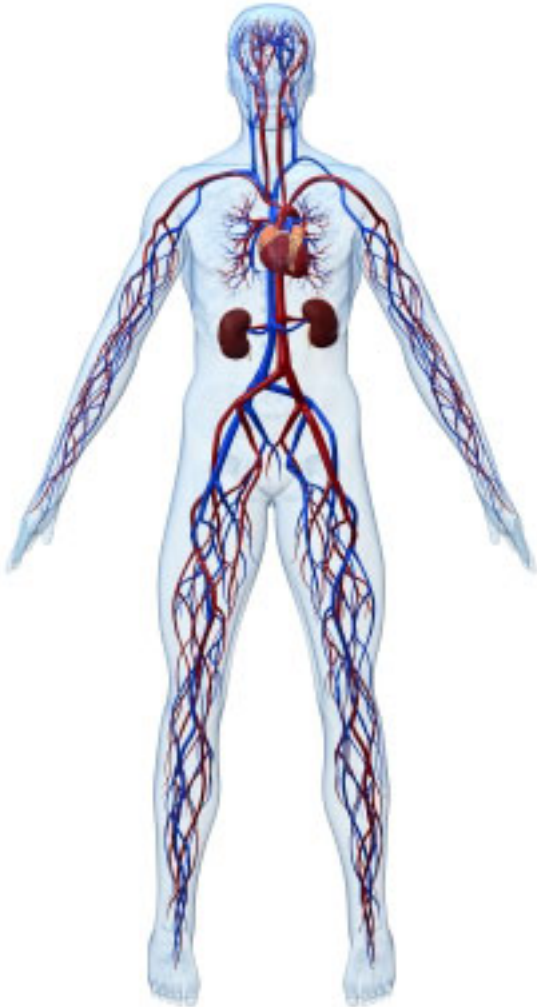
### What is Vascular Disease?

Vascular disease is the result of a buildup of damaging plaque in your blood vessels, and includes any condition that affects your circulatory system - ranging from diseases of the arteries, veins and lymph vessels to blood disorders that affect circulation. Vascular disease may be the result of strokes, kidney failure, and the complications of diabetes, or other causes, and, if left untreated, can have serious consequences: strokes, renal failure, gangrene and abdominal aortic aneurysms, as well as painful and disabling disorders of the veins.

### The Vascular Unit

At Laniado Hospital's Vascular Unit, we provide superb diagnostic and therapeutic services to patients with blood vessel disorders, designed to improve their lifestyle and prevent loss of limbs.

The Unit performs a wide variety of specialized tests to provide comprehensive assessment of vascular pathology. These include duplex ultrasound scans - a painless exam that uses high-frequency sound waves to assess blood flow in the limbs and the arteries. The following examinations are carried out:



- Duplex arterial scan of the legs - at rest and during exertion.
- Duplex arterial scan of the arms.
- Duplex scan of the carotid artery (the neck).
- Duplex scan of the deep and superficial venous systems in the arms and legs.
- Plethysmography examination of the fingers and toes - including cold challenge testing
- AVF (arterial venous fistula) scanning . An AVF is created by connecting an artery directly to a vein as a means of checking blood flow in the fistula.
- Duplex scan of the renal artery, which supplies blood to the kidneys

- Duplex scan of the aorta to detect an aortic aneurysm
- Duplex of bypass grafts for functional evaluation after surgery

### **Ultrasound guided foam injections for leg veins**

The Department also performs ultrasound-guided foam injections as an alternative to vein replacement surgery. This treatment, which can be done without anesthesia, is also excellent for healing ulcer cruris - ulceration of the lower leg.

### **Institute for Cardiovascular Angiography**

The Institute performs vascular catheterization – the insertion of small-caliber catheters into blood vessels – for both diagnostic and therapeutic purposes. The following procedures are performed:

- Invasive examinations to image veins and arteries as well as to expand blood vessels by inserting a catheter (PTA - percutaneous transluminal coronary angioplasty ) – or stent, an expandable metal tube.
- Repairing aneurysms and bleeding by inserting a coated stent.
- Peripheral angiography of the arteries of the arms and legs to determine whether there is disease or blockage and its location.
- Inserting a stent graft - to prevent or counteract, a disease-induced localized flow constriction.
- Inserting catheters to perform dialysis

### **Operating room**

Routine as well as emergency vascular surgery is performed in the operating room. These include:

- Leg artery bypass surgery.
- Carotid endarterectomy - a surgical procedure used to prevent stroke, by correcting stenosis (narrowing) in the common carotid artery.

- Vein surgery.
- Repair of aneurysms in the aorta and peripheral arteries.
- Repair of vascular injuries

### **Who May Use the Vascular Unit?**

- Patients covered by all the health plans except Clalit
- Private patients
- Patients hospitalized at Laniado

### **Contact Us**

Clinic Phone: 972-9-8609-328

Appointments: 972-9-8604-633/4

### **Department Location**

Children's Hospital building - ground floor

Press here for [location map](#)