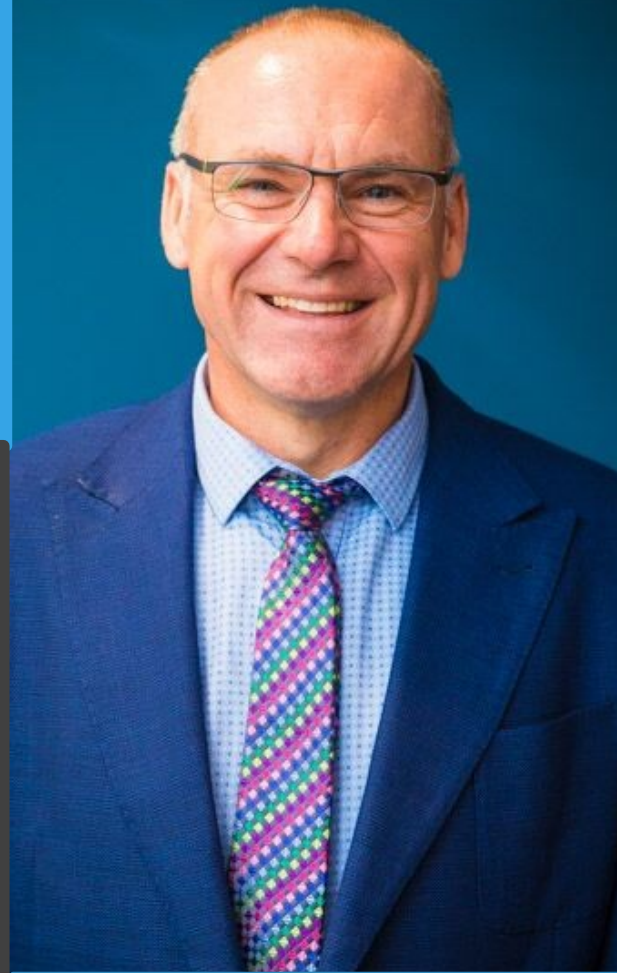


DR MAREK GARBOWSKI
MBBS, FRACS (VASCULAR)



STATE OF THE ART
TREATMENT OF
VASCULAR PROBLEMS

—— IN THE HEART OF SUBIACO AND JOONDALUP ——





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K GARBOWSKI

vascular problems in both public and private patients of all ages, and private hospitals when surgery is required. For vascular health, Dr Garbowski teaches at both UWA and Notre expertise with the next generation of medical

published in 2006 by Vascular and Endovascular Surgeon, Dr Garbowski completed his Bachelor of Medicine/Bachelor of Surgery took extensive vascular and endovascular training in Australia awarded the Vascular Fellowship by the Royal Australasian College of 2005.

of God Hospital in Subiaco the following year.

Experience, Qualifications & Professional Memberships

Bachelor of Medicine/Bachelor of Surgery (MBBS)
 Vascular Surgery Fellowship, Royal Australasian College of Surgeons FRACS -(Vasc)
 Member of the Australian & New Zealand Society of Vascular Surgery
 Member of the Western Australian Vascular & Endovascular Society
 Member of the Australasian College of Phlebology
 Former Head of Vascular Surgery, Sir Charles Gairdner Hospital
 Senior Lecturer, University of Western Australia (UWA) and Notre Dame University



Welcome to Perth Vascular Clinic

Perth Vascular Clinic is operated by Dr Marek Garbowski, a consultant Vascular and Endovascular Surgeon who specialises in the treatment of wide range of vascular problems in patients of all ages.

The clinic welcomes both public and private healthcare patients, and is located at St John of God Hospital in Subiaco (Suite 218, 25 McCourt Street) and Joondalup Health Campus (Suite 17, Specialist Medical Centre East).

Dr Garbowski has more than 25 years of experience in the treatment and management of vascular health, and is the former Head of the Vascular & Endovascular Surgery Department at Sir Charles Gairdner Hospital and the current Head of Vascular & Endovascular Surgery Department at Joondalup Health Campus.

Highly qualified in all aspects of vascular health, Dr Garbowski is able to assist patients throughout their treatment without referrals to other specialists, enabling him to effectively manage his patients' condition and provide a high level of care at all times throughout their treatment process.

Vascular Conditions Treated

- Aortic Aneurysms
- Peripheral Arterial Disease
- Peripheral & Visceral Arterial Aneurysms
- Carotid Disease (Strokes & TIA)
- Varicose Veins and other Venous Diseases
- Pelvic Venous Disorders (Pelvic Congestion Syndrome) - Chronic Pelvic Pain
- Arteriovenous Fistula and Vascular Access for Haemodialysis/Chemotherapy
- Thoracic Outlet Syndrome
- Deep Vein Thrombosis/Post-thrombotic Syndrome
- Comprehensive care of surgical ulcers
- Diabetic Foot
- Hyperhidrosis
- Vascular Malformations
- Vascular Exposures in difficult clinical circumstances

JOONDALUP

SUBIACO

IMMEDIATE

Call Dr Garbowski directly or request urgent appointment

*Crescendo or multiple TIA/RIND or amaurosis fugax and carotid artery stenosis>50%

Acute limb ischaemia

*Abdominal aortic aneurysm 6cm diameter

*Acute Axillary Vein thrombosis

Acute leg oedema and new DVT (ilio-femoral)
Abdominal /back pain in setting of known AAA

A

URGENT

3-5 days

* Changing aneurysm (increasing size, more than 5 mm per 6 months or AAA with 5cm diameter or bigger)

*Deteriorating claudication

*Popliteal aneurysm>2.0cm diameter

* 70% or more stenosis of internal carotid artery (duplex scan positive) with TIA/RIND or amaurosis fugax

* Ischaemic and threatened limb (rest pain, gangrene, ulcer) CLTI

*Surgical Wound infection

Acute Ilio-femoral DVT
Acute Superficial Thrombophlebitis approaching SFJ or SPJ

*Expanding infected seroma/haematoma

* AV fistula thrombosis

* Acute stent or bypass graft occlusion

* Asymptomatic carotid stenosis >80%

ROUTINE

Appointment timeframe up to 30 days

*Varicose Veins
Stable Venous Ulcers

*Thoracic outlet compression

*Non-healing chronic ulcers

* Incidental finding of renal artery stenosis >60% and hypertension

* Asymptomatic Internal Carotid Artery stenosis >70%

Symptomatic, stable PVD

Symptomatic chronic DVT (Post Thrombotic Syndrome)

Pelvic Venous Pain (symptomatic Ovarian Vein incompetence, Nutcracker Syndrome, May Thurner Syndrome)

Hyperhidrosis

Raynauds phenomenon with poor medical control

EVALUATION

Standard history:
*History of TIAs (localising symptoms, amaurosis fugax) or stroke

*History of risk factors and management
Examination - evidence of: Hypertension, DM, smoking, PVD

*Carotid bruit

*Neurological deficit

*Cardiovascular assessment
Investigations ECG/ECHO

*USS/Duplex Scan

MANAGEMENT

*Commence Asprin or Clopidogrel (if there is allergy or other contraindication to Asprin)

*Manage risk factors:
Stop smoking
Antihypertensives
Management of Diabetes
Dyslipidaemia

REFERRAL GUIDELINES

*IMMEDIATE referral - contact Vascular Registrar at local Emergency Department
OR
Send Patient to **EMERGENCY**

*Crescendo or multiple TIA/RIND
*Amaurosis fugax

Refer **URGENTLY**:

*Isolated TIA/RIND/Amaurosis fugax

*Asymptomatic carotid stenosis of .80% on imaging

Refer **PROMPTLY**:

*Asymptomatic carotid stenosis of >70% on imaging

*Subclavian stenosis with vertebral steal

*Carotid body tumour

EVALUATION

Standard history and risk factors particularly genetic factors and collagen disorders
*Risk factor management
Investigations:

*Abdominal ultrasound
*If >5cm: CT Angiogram

*If <5cm: Refer to Perth Vascular Clinic/assess with U/S

Abdominal USS

MANAGEMENT

*Manage risk factors
*Where serial/follow up surveillance US scans are performed, any increase of 1cm or more within a 12 month period is an indicator for early referral.

REFERRAL GUIDELINES

*If >5cm diameter, refer **IMMEDIATELY** to Perth Vascular Clinic
*If 5-6cm diameter, after CT Angiogram refer - **URGENT**

*If 4.5-5cm: prompt referral

EVALUATION

Evidence of:

*Deteriorating renal function

*Suspicion renovascular or resistant hypertension

*Found accidentally
Investigation

*Renal USS

MANAGEMENT

CT Angiogram if renal function stable

REFERRAL GUIDELINES

*Symptomatic
Refer promptly - also referral to Renal Physician

*Incidental finding,
Refer - Routine

Note: Initial referral should usually be made to Renal Physician

Peripheral Vascular Disease

EVALUATION

*History including incapacitating claudication, rest pain, ulceration, gangrene

*Standard history and risk factors particularly smoking and diabetes

*Peripheral pulses

ABI
U/S

MANAGEMENT

*Managing risk factors, particularly smoking and diabetes.

*Advice re graduated exercise programme.

*Statins

Strongly consider antiplatelet agents

REFERRAL GUIDELINES

*Ischaemic changes or rest pain, Refer - **URGENT** - contact Vascular Surgery

*Claudication <50m, refer - **PROMPT**

*Claudication >50m refer - Routine Advise re graduated exercise programme.

Popliteal Artery Aneurysm

EVALUATION

Symptoms—claudication
Peripheral pulses

ABI
U/S

MANAGEMENT

Manage risk factors
Start antiplatelet therapy
Assess for co-existent AAA
Check contralateral Popliteal Artery for aneurysm

REFERRAL GUIDELINES

If >2.0cm diameter, refer **PROMPTLY**

If <2.0cm diameter, refer - Routine

EVALUATION

*Standard history and examination, particular reference to any history of DVT and in relation to previous surgery, accident or parturition, genetic factors
Investigations:
*Venous Insufficiency
Duplex Scan

MANAGEMENT

Consider graduated compression stockings
Topical Bruise-EZE/Hirudoid cream
NSAID
Clexane if extensive or close to SFJ or SPJ

REFERRAL GUIDELINES

*Ascending thrombophlebitis to the level of the sapheno-femoral junction, Refer **IMMEDIATELY**, after hours contact Vascular Surgery Registrar and send to JHC **EMERGENCY** department
*Venous ulcers or haemorrhage from varicose veins, Refer - **URGENT**
*CVI Refer - Routine

EVALUATION

*History of oestrogen therapy, family history, intercurrent disease (particularly malignancy)
Previous DVT
Upper limb trauma
Body builders
Weight lifters/Swimmers

MANAGEMENT

Anticoagulation
Clexane 1.5 mg/kg daily
Urgent U/S

REFERRAL GUIDELINES

*IMMEDIATE referral - Contact Vascular Registrar and send to JHC **EMERGENCY** department

EVALUATION

*History of oestrogen therapy, oral contraceptives, family history, intercurrent disease (particularly malignancy)

MANAGEMENT

Anticoagulation
Clexane 1.5 mg/kg daily

REFERRAL GUIDELINES

IMMEDIATE referral - Contact the Vascular Registrar and send patient to JHC **EMERGENCY** department

EVALUATION

MANAGEMENT

REFERRAL GUIDELINES

Venous Duplex U/S CVI
Study

If non infected ulcers present
start Graduated Compression
Stockings Class 2

Routine Referral

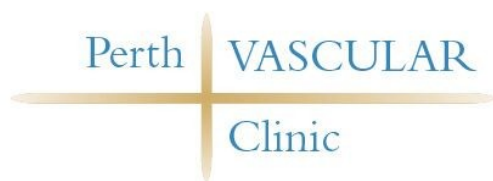
EVALUATION

MANAGEMENT

REFERRAL GUIDELINES

History of profound
sweating of hands and
axillae unresponsive to
conservative treatment

Refer - Routine consideration



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Vascular & Endovascular Surgeon

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