



Foreword

The recent trend in all forms of surgery is to treat via minimally invasive techniques.

There have been exponential improvements in strategies, devices and techniques in the field of vascular medicine over the last 10 years in this regard. These include treatment of abdominal aortic aneurysms, thoracic aneurysms, peripheral vascular disease, carotid artery disease and vascular related impotence etc.

Wits Donald Gordon Medical Centre offers a state of the art angiography suite together with the appropriate expertise to manage various vascular pathologies using minimally invasive techniques and/or open surgery to treat the above mentioned vascular pathologies.

The expertise of our multi-disciplinary team of doctors and the excellent nursing care provided, ensures the best outcome for the patients.

Details of the unit and the services provided are outlined here for your convenience.

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CEO

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Endo-Vascular Unit

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Wits University
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Patient-centred. Independent. Academic



Endo-Vascular Unit





TOOLS USED TO ACHIEVE HAEMOSTASIS

- Embolisation - coils (stainless steel & platinum), gel foam, embospheres
- Balloon occlusion devices
- Bare metal stents (nitinol or stainless steel).
- Covered stent grafts



Bare metal stent

Examples of treatment options provided by the team are listed below:

EVAR-ENDO-VASCULAR ANEURYSM REPAIR

Appropriate infra-renal aneurysms may be treated by insertion of modular stent grafts. This involves incisions in both groins and avoids the morbidity associated with major open surgery.

TEVAR-ENDO-VASCULAR THORACIC ANEURYSM REPAIR

Appropriate thoracic-aortic aneurysms and dissections may be treated by inserting stent grafts through a groin incision. Again this avoids the morbidity associated with sternotomy and major open surgery.

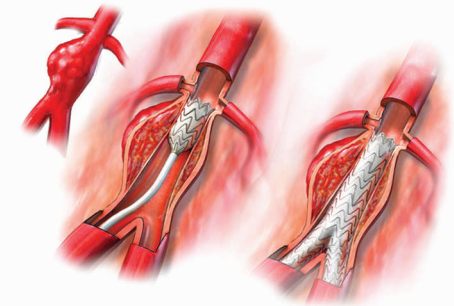
CAROTID STENOSIS

Selected individuals may benefit from protected carotid stenting as appose to open carotid endarterectomy.

SFA-SUPERFICIAL FEMORAL ARTERY ANGIOPLASTY AND STENTING

A long occlusion in the superficial femoral artery maybe treated by a groin puncture, balloon angioplasty and stent insertion.

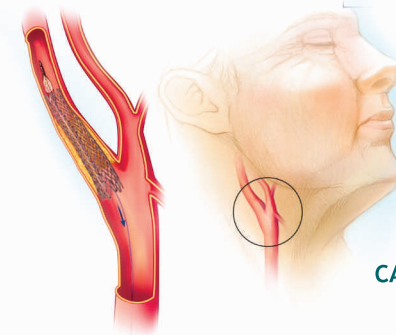
For elective and emergency referral of patients, please find contact details overleaf.



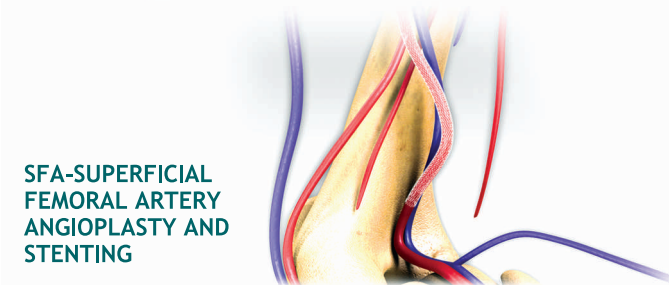
EVAR-ENDO-VASCULAR ANEURYSM REPAIR



TEVAR-ENDO-VASCULAR THORACIC ANEURYSM REPAIR



CAROTID STENOSIS



SFA-SUPERFICIAL FEMORAL ARTERY ANGIOPLASTY AND STENTING