# Kijabe OPD Guidelines

# **Peripheral Arterial Disease (PAD)**

- PAD is caused by the atherosclerotic process, and therefore is highly linked to cardiovascular disease
- Smoking and diabetes are the two biggest risk factors. Those who smoke or have diabetes have a 4-fold greater risk of PAD
- Has a spectrum of disease. **Symptoms** range from asymptomatic to intermittent claudication to Chronic Limb Threatening Ischaemia = CLTI (ischaemic rest pain; poor wound healing; gangrene)

## **Consider PAD if:**

- Symptoms suggestive of PAD
- · History of diabetes
- Non-healing wounds on the leg or foot
- · Unexplained leg pain
- Patient needs to use compression hosiery
- Before undergoing any procedure on the leg or foot

### **Risk Factors for PAD**

- Hypertension, Diabetes, Hyperlipidaemia, CVD
- Lifestyle: smoking, alcohol abuse, low physical activity, poor diet (high salt, high fat)
- FH, age, gender (male>female, risk increases with age)
- Stress/anxiety/depression
- Social determinants of health (poverty, social exclusion, illiteracy, air pollution)

Firstly is there evidence of acute ischaemia? (6 Ps= pallor, pulseless, paraesthesia, paralysis, perishingly cold, pain)

If 'Yes', then urgent surgical review and transfer to casualty for work-up

# **History and Examination**

- Claudication pain=present with exercise and relieves with rest
- Ischaemic rest pain=present at rest, worse with elevation of leg, improves with movement or gravity
- · Neuropathic pain
- PMH and RFs including cardiovascular disease
- Examination- colour and temperature of skin, hairless/shiny, hypertrophic nails, Buergers test, pulses, sensation, poor wound healing/ulceration or gangrene

#### If 'Normal', reconsider history and Investigation other possible diagnoses: ABPI (Ankle Brachial Pressure Index ) Spinal stenosis >1.4 Abnormal (calcified arteries) Arthritis 0.9-1.09 Normal Venous claudication Mild to Moderate PAD 0.41-0.9 Chronic compartment syndrome < 0.4 Severe PAD Symptomatic bakers cyst • Nerve root compression

## If ABPI suggests PAD:

- Aspirin 75mg OD (or Clopidogrel 75mg) OD lifelong
- Statin lifelong, ideally high-dose (start atorvastatin 40mg OD and increase to 80mg if tolerated/possible)
- Manage risk factors Smoking cessation
  - Diabetic control (see Diabetes guideline)
  - BP control (see Hypertension guideline)
  - Weight control
- Exercise (shown to improve walking time and relieve symptoms in claudication)
- Refer to general surgery/vascular review if severe PAD or features of CLTI (consider imaging+/- revascularisation or amputation)
- Analgesia (may need neuropathic agents as well as simple analgesia)

## References