

Patient Presentation

Symptomatic patients:

Patients >50 or patients >45 with risk factors (1st degree relative with prostate cancer, black or mixed black ethnicity or carry BRCA gene) who present with:

- Lower Urinary Tract Symptoms (LUTS)
- Visible haematuria
- Haematospermia
- Erectile dysfunction
- Clinical features of metastatic prostate cancer eg new significant bone pain, weight loss, unexplained anaemia

Asymptomatic Patients

Those who request testing after appropriate counselling

Assessment

Consider if the patient has:

- Symptoms listed above
- Infective symptoms
- A benign cause (see opposite)

Please perform the following:

- PSA test for patients with symptoms listed above or asymptomatic patients after counselling
- DRE should be considered in consenting patients.
If hard/irregular prostate on DRE **Refer to Urology as Urgent Suspicion of Cancer**

If benign cause suspected

PSA may be raised in:

- UTI
- Prostatitis
- Recent ejaculation
- Acute urinary retention
- Recent instrumentation of urinary tract (catheter change, cystoscopy, prostate biopsy etc)

If any of the above and normal DRE - **repeat PSA in 6 weeks**
If remains raised **Refer to Urology as Urgent Suspected Cancer**

Please ensure repeat PSA result (if suspected benign cause) is available BEFORE referral

Age-specific PSA ranges, refer as Urgent Suspicion of Cancer if:

Under 70 $\geq 3\text{ng/l}$

70-79 $\geq 5\text{ng/l}$

80 and above $\geq 20\text{ng/l}$

For men 80-85 who are fit and do not have multiple co-morbidities, if PSA ≥ 10 but < 20 **refer to Urology as Urgent**
Please note 5- α reductase inhibitors (eg Finasteride, Dutasteride) will falsely lower PSA level by up to 50% after 3 months and results should be adjusted accordingly.

Suitable patients <75 will now go direct to MRI.

If possible, please include whether patients have:

- Pacemaker/implanted cardiac device
- Electronic implant (Cochlear implant, neuro-stimulator, drug infusion pump etc)
- Metal fragments (in the eye, shrapnel, bullets etc)
- History of operations using pins, plates, coils, stents, aneurysm clips, shunts etc