WHY STUDY THE PROSTATE?

Where? The prostate is found below the bladder around the urethra – the tube that urine flows through.

Who? Only men have a prostate.

What? The prostate is a gland that produces a major part of seminal fluid.

WHAT GOES WRONG?

Prostatitis
- Inflammation of the prostate
- Swelling can lead to pain when urinating

Benign Prostatic Hyperplasia
- BPH - benign enlargement of the prostate
- Non-cancerous and localised (non-spreading)
- Blocking of urine flow
- May require operation to remove blockage

Prostate Cancer
- Most serious prostatic disease
- Majority are localised causing only urinary symptoms
- Tumours may spread to other sites in the body

Treatment can include:
1) Removing the male hormones to prevent tumour growth
2) Surgery
3) Chemotherapy
4) Radiotherapy

THE PROSTATE GLAND

The prostate gland is comprised of many ducts and acini, which are hollow and fluid filled.

Tissue consists of a bilayer of epithelial cells, comprising undifferentiated basal cells and well differentiated luminal cells. These layers sit on a basement membrane and are surrounded by muscular stroma.

Prostate cancer is a disease of old age

Prostate cancer incidence

Prostate cancer accounts for a quarter of cancers in men.