

## The Anal canal

## Congenital abnormality

- Imperforate anus

## Inflammatory conditions

- Anal fissure – posterior tear (trauma, including childbirth)
- Anal gland abscess – causes fistula
- Venereal diseases:
  - Syphilis – posterior fissure
  - Granuloma inguinale – granulomatous response to intracellular bacteria
  - Chancroid – *Haemophilus ducreyji*

## Neoplasia

- Viral warts (condylomata acuminata)
  - HPV associated (types 6, 11 – benign, types 16, 18 – associated with cancer)
  - Similar pathology to vulval/cervical neoplasia
  - HIV associated



## Anal carcinoma

- Invariably squamous cell
- Precancerous phases
  - Anal intraepithelial neoplasia (AIN) I-III +/- warts
  - HPV 16, 18
- Treated by surgery or radical radiotherapy

