

## Notes: Amenorrhoea I: causes

### Primary

- Gonadal failure (35%; eg: Turners)
- Hypothalamic dysfunction (20 – 30%; see secondary)
- Outflow tract obstruction (15 – 20%; eg: imperforate hymen; Mullerian(uterovaginal agenesis)
- Testicular feminisation syndrome (10%)
- Rare causes: eg. Kallman syndrome

### Secondary

- Physiological (pregnancy/lactation/menopause)
- Pathological
  - **Hypothalamic dysfunction (35%; stress, wt loss, exercise)**
  - **PCOS (30%)**
  - **Pituitary disease (20%; prolactin-secreting adenoma,, sheehan syndrome)**
  - **Premature ovarian failure (10% - see next page)**
  - **Ashermans syndrome (5%)**

## Notes: Amenorrhoea II

### Premature (< 40yrs) ovarian failure:

- Intrinsic ovarian defect
- Genetic mosaicism
- An autoimmune process (eg: myasthenia gravis)
- Chemotherapy
- Radiotherapy

### Common Symptoms of Turner Syndrome

