Ovarian sex cord-stromal tumours: An update on clinical features, molecular changes and management

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Understanding molecular changes underlying the development and progression of sex cord-stromal tumours provides valuable information of diagnostic and prognostic biomarkers and potential therapeutic targets for these tumours.

Stage I
- Adult granulosa cell tumour
  - Peak incidence in 50-55
  - Early recurrence
  - INSL3

Advanced stage
- Juvenile granulosa cell tumour
  - Development
    - GNAS
  - Mean age of 13
  - Aggressiveness
    - FOXL2
    - (TERT)-124C>T

- Sertoli-Leydig cell tumour
  - Metastases
    - Trisomy 8
  - Poor prognosis
    - sDicer1 & gDicer1
  - 75% under 30 years of age
  - DICER1 & GSP