

13 Ductal carcinoma of breast, secretory type**Micro**

- This is mammary tissue infiltrated by a malignant neoplasm with pushing margins.
- The tumour measures 7mm microscopically.
- The cells exhibit abundant eosinophilic, vacuolated cytoplasm, and prominent nucleoli.
- The pleomorphism is mild (score 1).
- The mitosis is infrequent (score 1).
- The cells are arranged in nests with eosinophilic secretions and no tubular formation (score 3).
- There is no associated in situ component.
- No lymph-vascular invasion seen.
- Excision appears complete in the provided section.

Diagnosis

- Ductal carcinoma of breast, secretory (juvenile) type, grade 1

Further work/comment

- This is a special type of ductal carcinoma, which is more common in children (juvenile). Presentation in a 91-year-old is unusual.
- Confirmatory stain is PAS+ PASD resistant for the secretions. GCDFFP-15+ for the cells.
- Ancillary tests includes:
 - Steroid receptors ER, PgR and HER. Typically negative in secretory carcinoma.
 - Ki-67 optional for proliferation rate.
 - Basal keratins e.g. CK17 and CK5/6 as this is a type of basal-like carcinoma.
- Core items that would be discussed in the postoperative Breast MDT:
 - Type and grade.
 - Absence of lymph-vascular invasion.
 - Steroids and Her 2 status for chemo and hormonal therapy options.
 - Completion of excision and margins status.
 - TNM stage including sentinel lymph node status if done, and axillary sampling or clearance.