

Case 23

32 year old Chinese woman. History of gastric carcinoma status post chemotherapy.

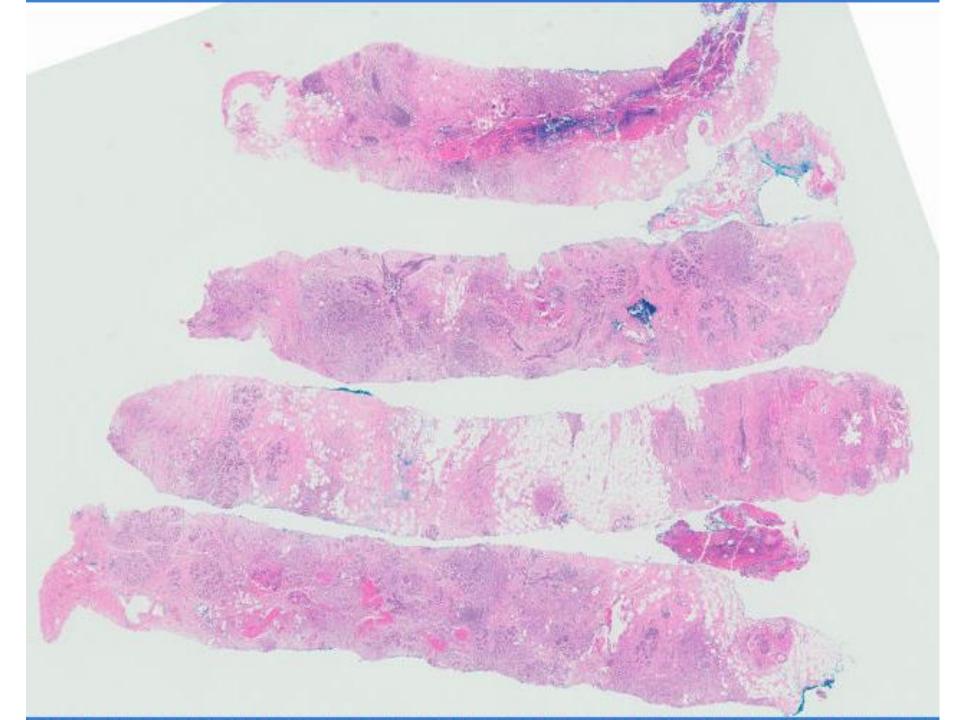
Current presentation of a right breast mass. Core biopsy performed.

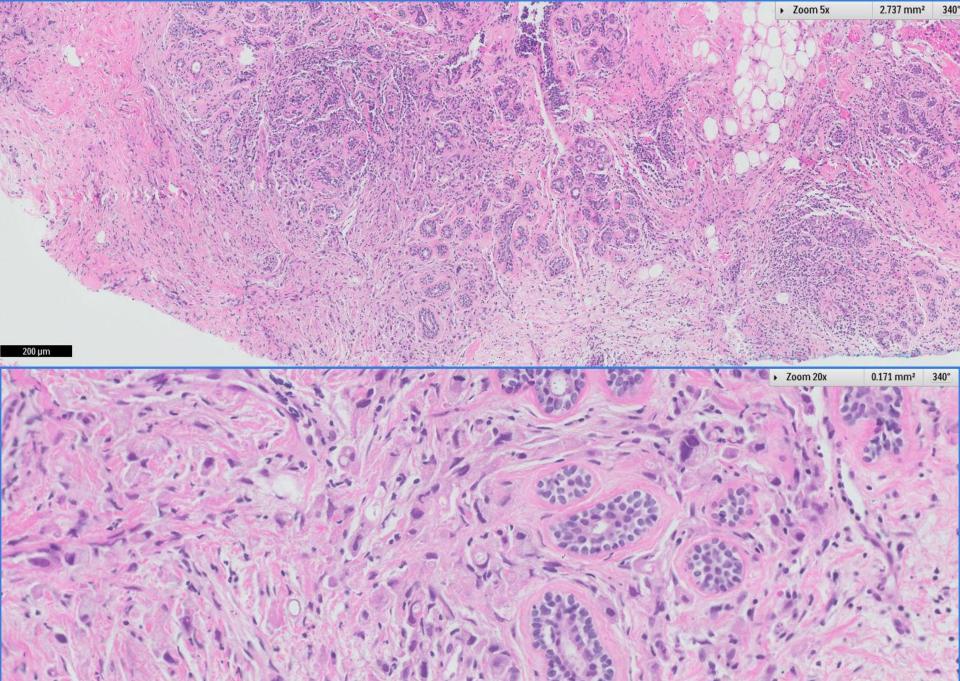


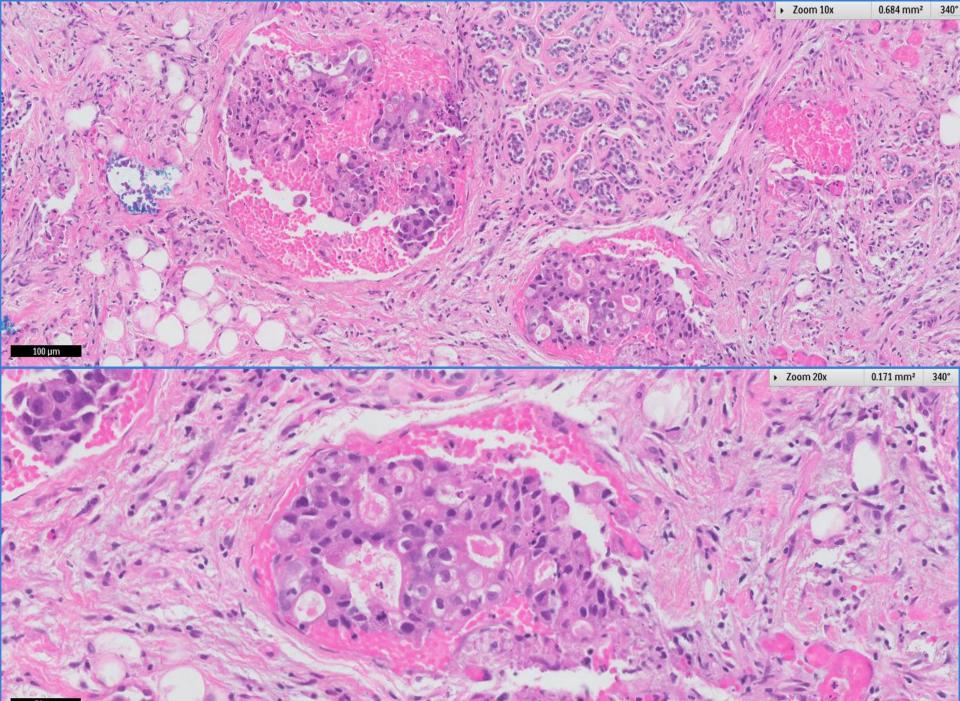


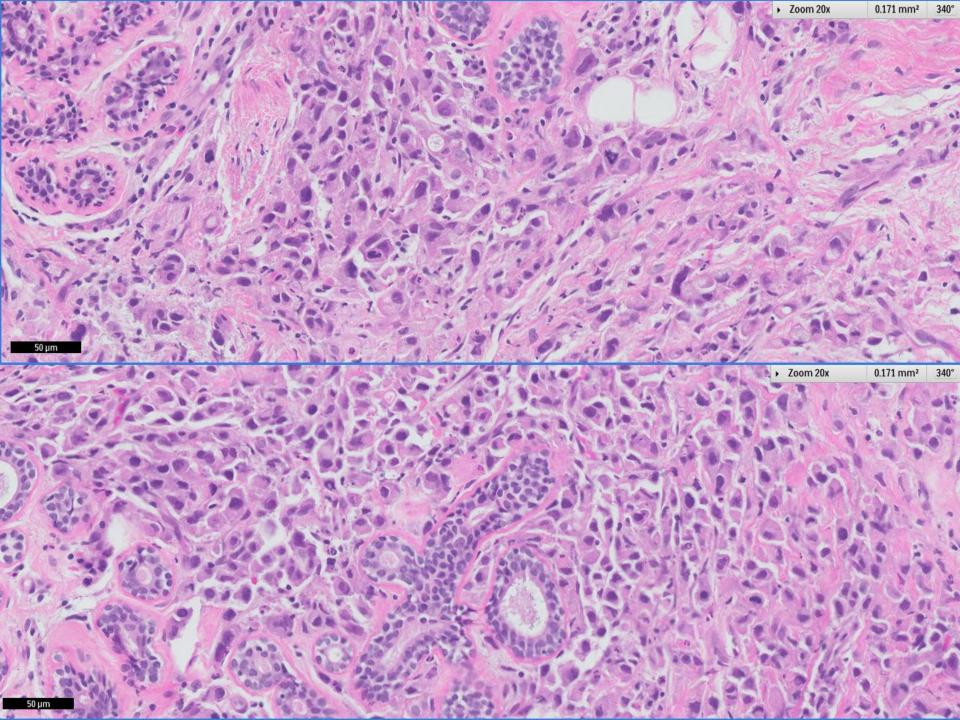




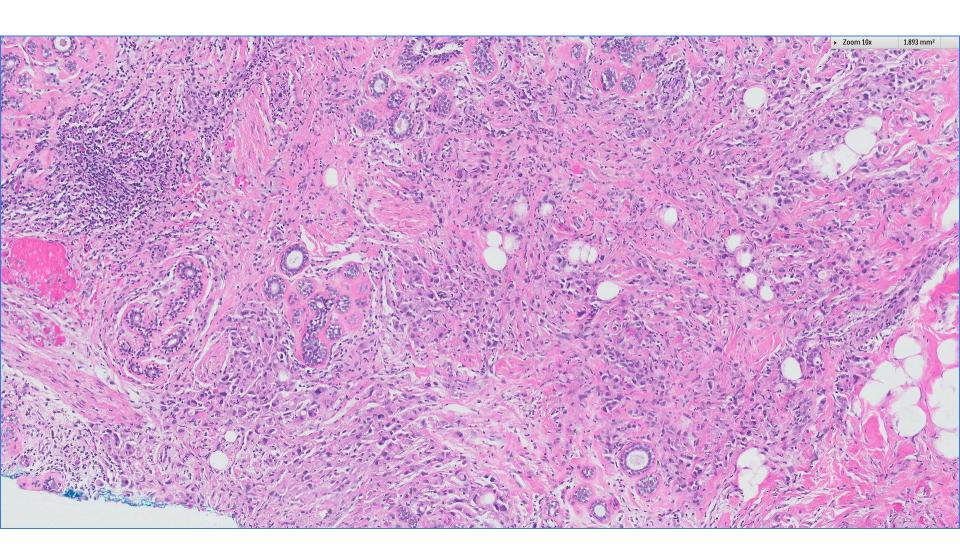


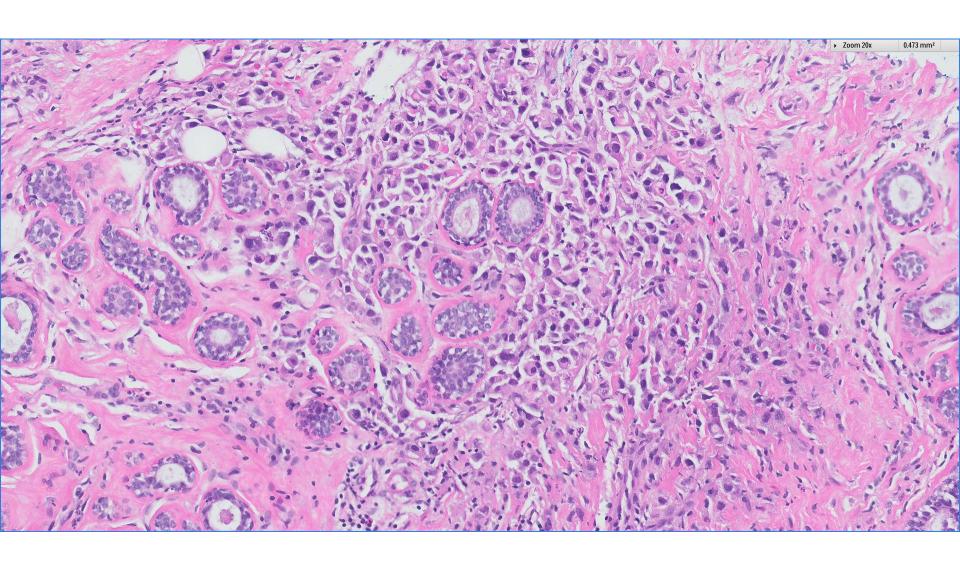


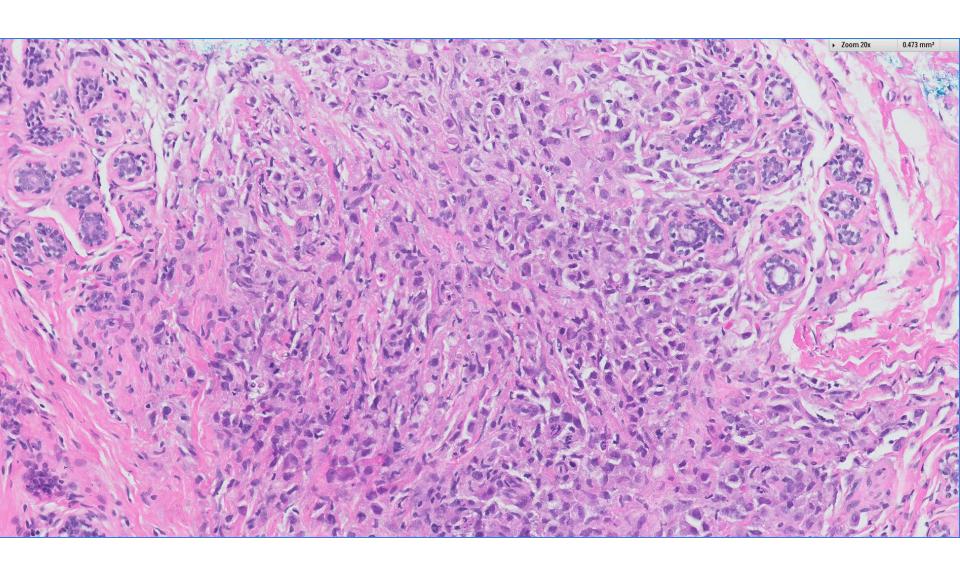


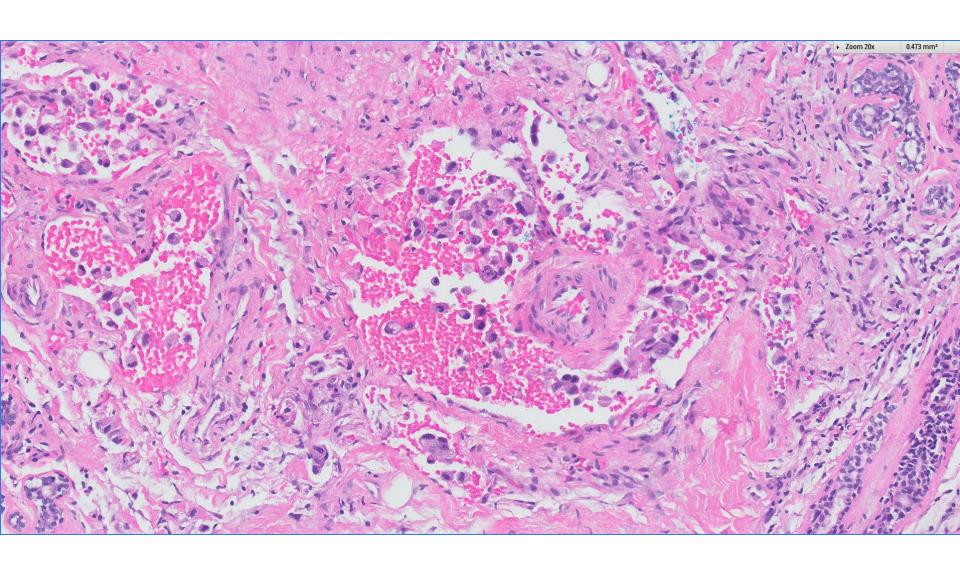


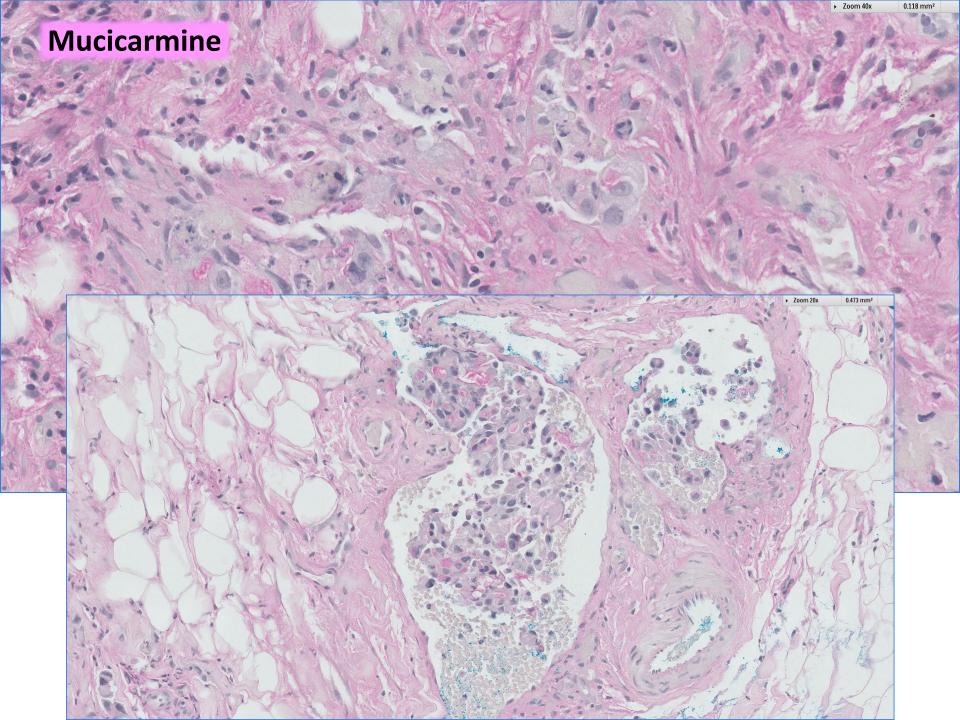


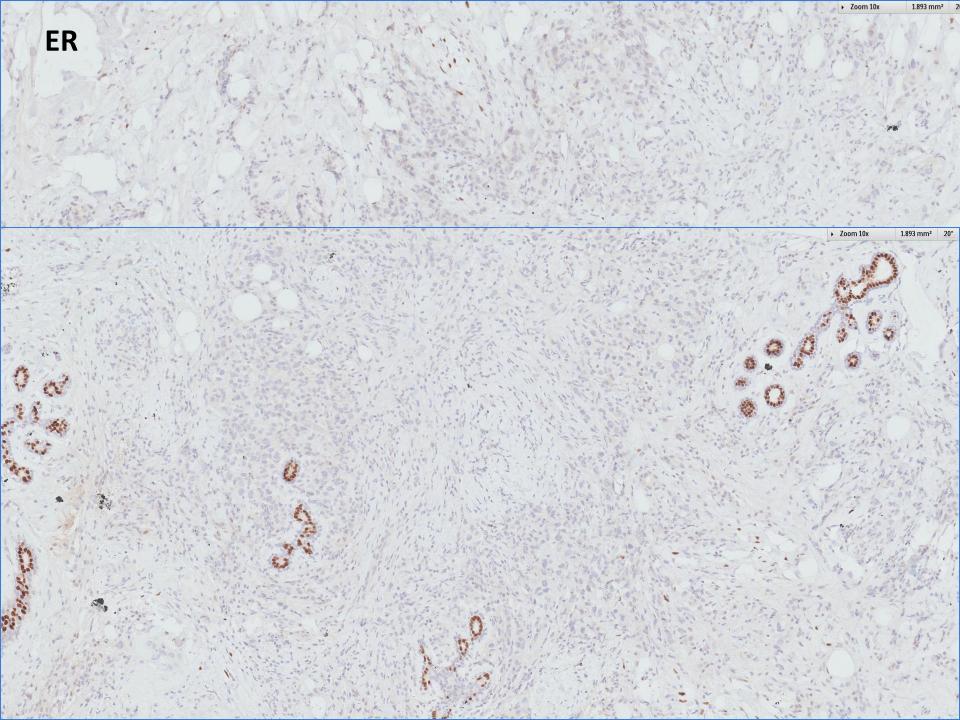


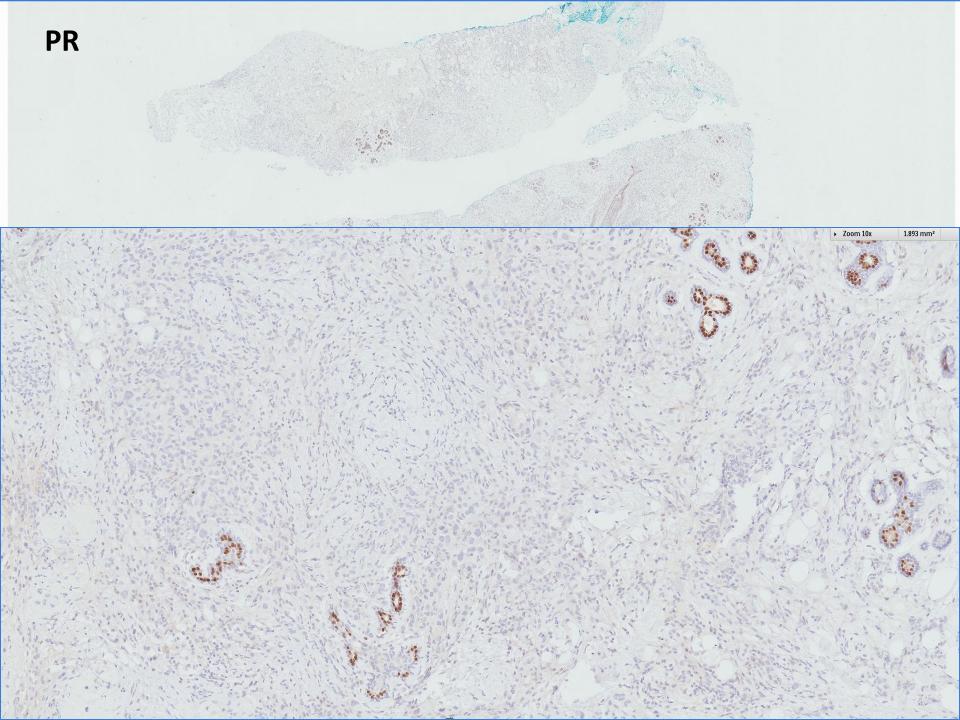




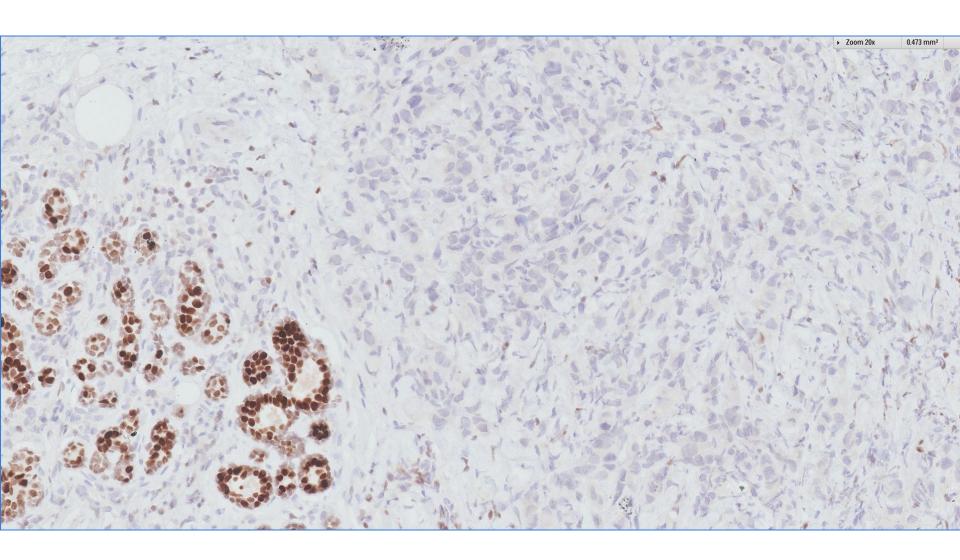




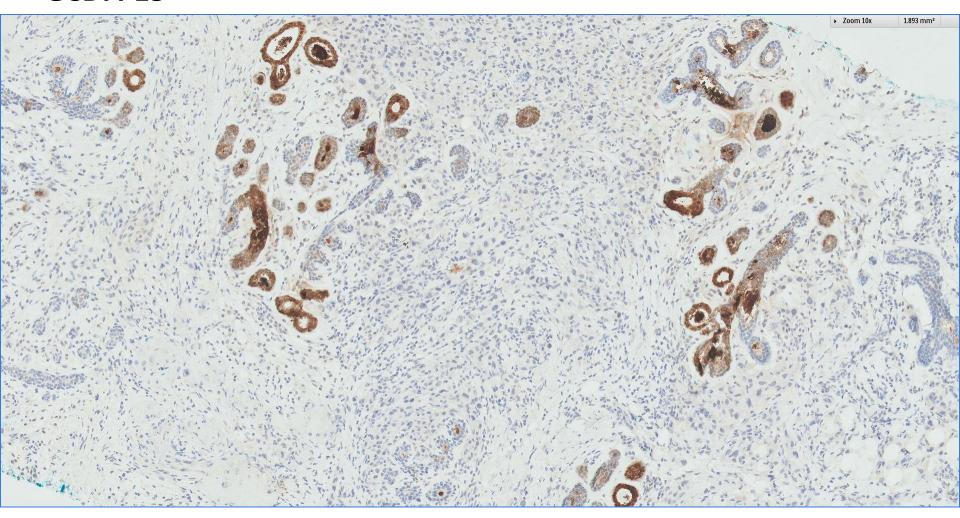




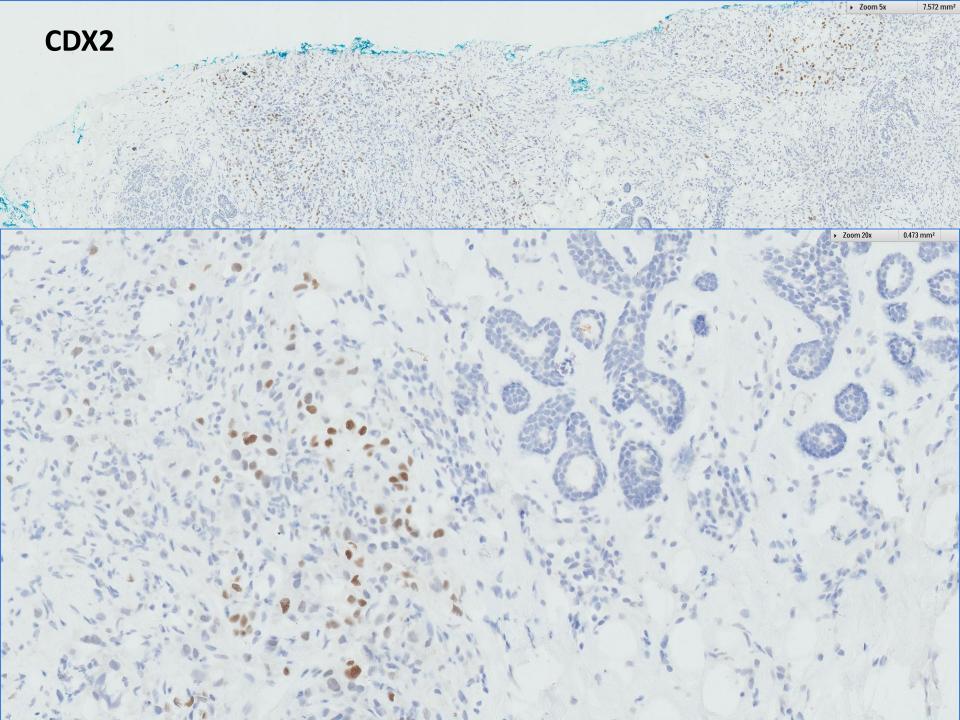
GATA3



GCDFP15



Negative for mammaglobin



Diagnosis

Core biopsy of right breast mass ~

Poorly differentiated carcinoma, consistent with metastasis from a gastric primary









Origin of metastases

A wide range of extramammary malignancies can metastasize to the breast. Common types include haematological malignancies, melanoma, carcinomas of the lung, ovary, prostate, kidney and stomach and carcinoid tumours {39,1449, 1584}. In children, rhabdomyosarcoma and lymphoma are the most common {1100,1196}.

WHO 2012









Invasive breast carcinoma with signet ring cells

- Seen in invasive lobular carcinoma
- Signet ring cell differentiation can also be observed in invasive ductal carcinoma and other special subtypes.
- Hormone receptors (ER/PR), GCDFP15, mammaglobin, GATA3 usually positive in primary breast carcinoma with signet ring cells.









