

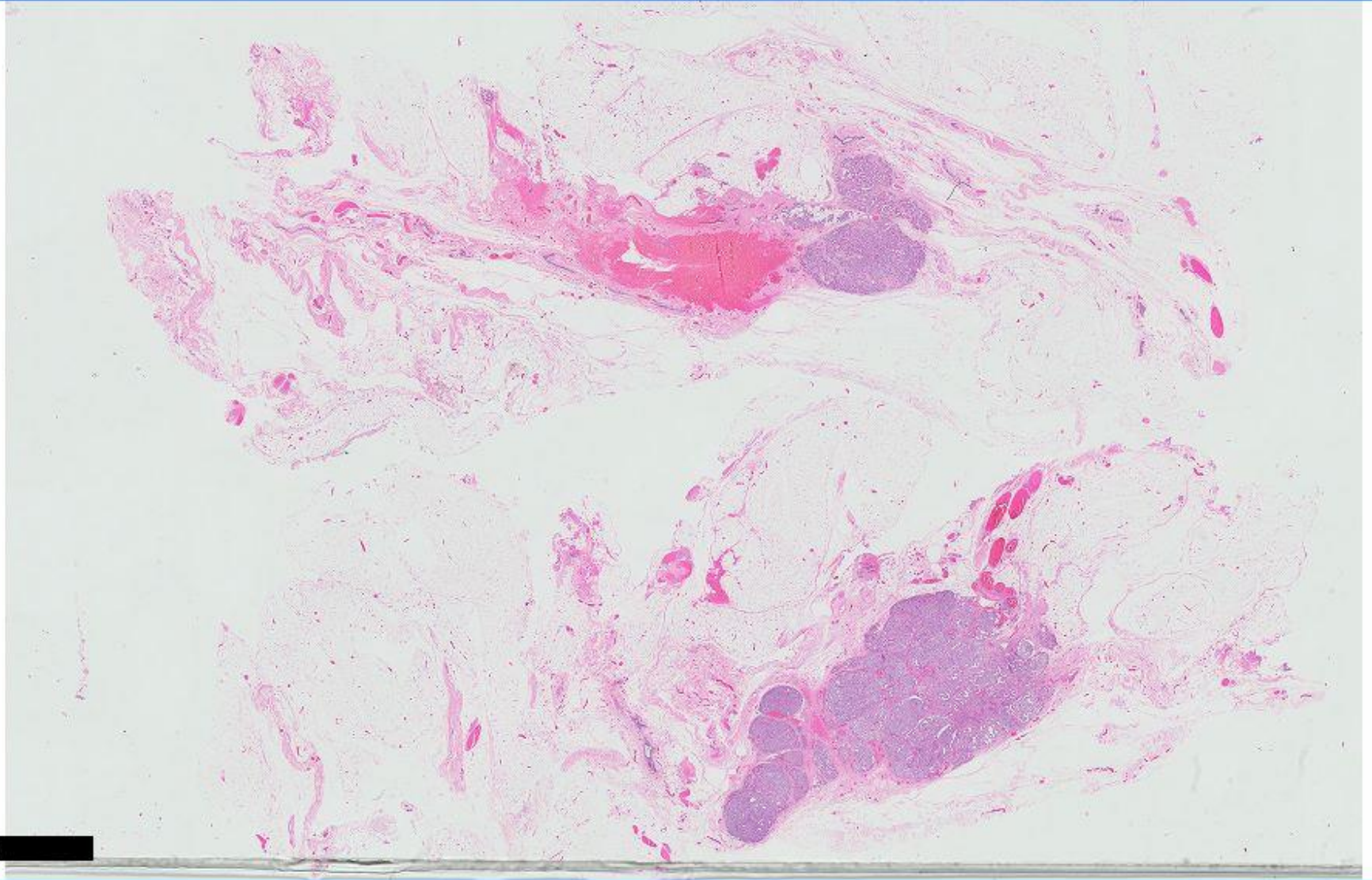
Case 44

61 year old woman underwent left simple mastectomy with sentinel lymph node biopsy for a trucut biopsy diagnosed invasive ductal carcinoma.

There was a past history of right breast extensive ductal carcinoma in situ with a 3.5mm grade 3 invasive ductal carcinoma (ER/PR negative, HER2 positive) in 2007.

Local recurrence of the right breast carcinoma occurred in 2010, with right mastectomy performed.

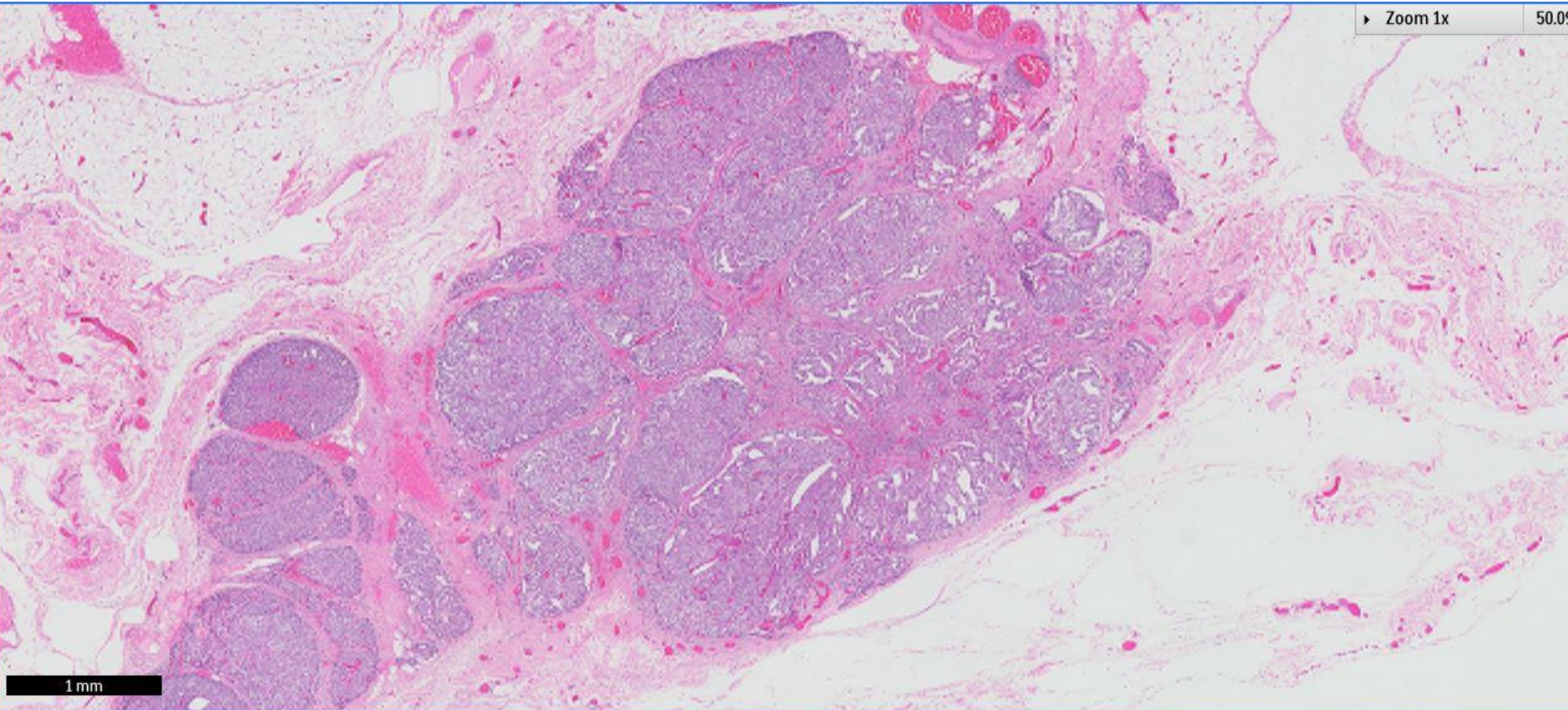




5 mm

► Zoom 1x

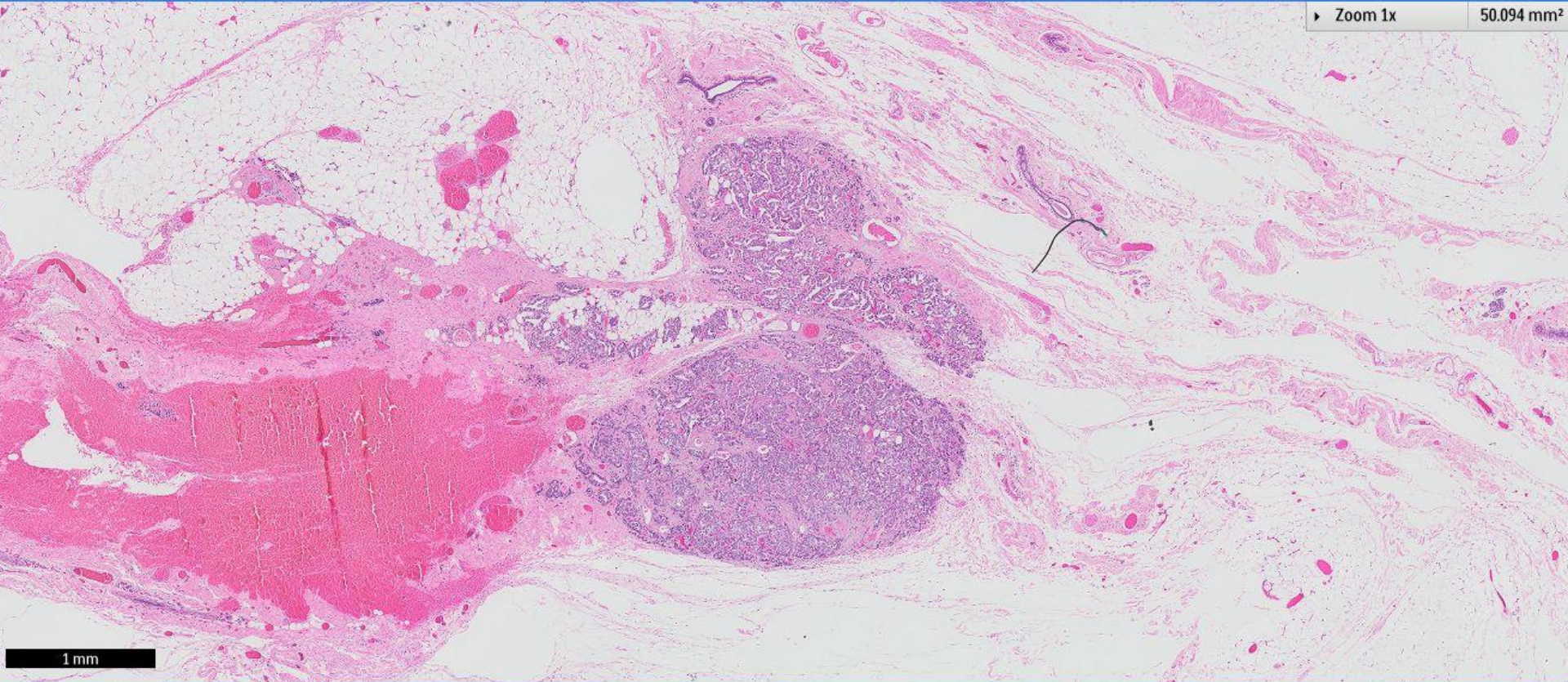
50.0%



1 mm

Zoom 1x

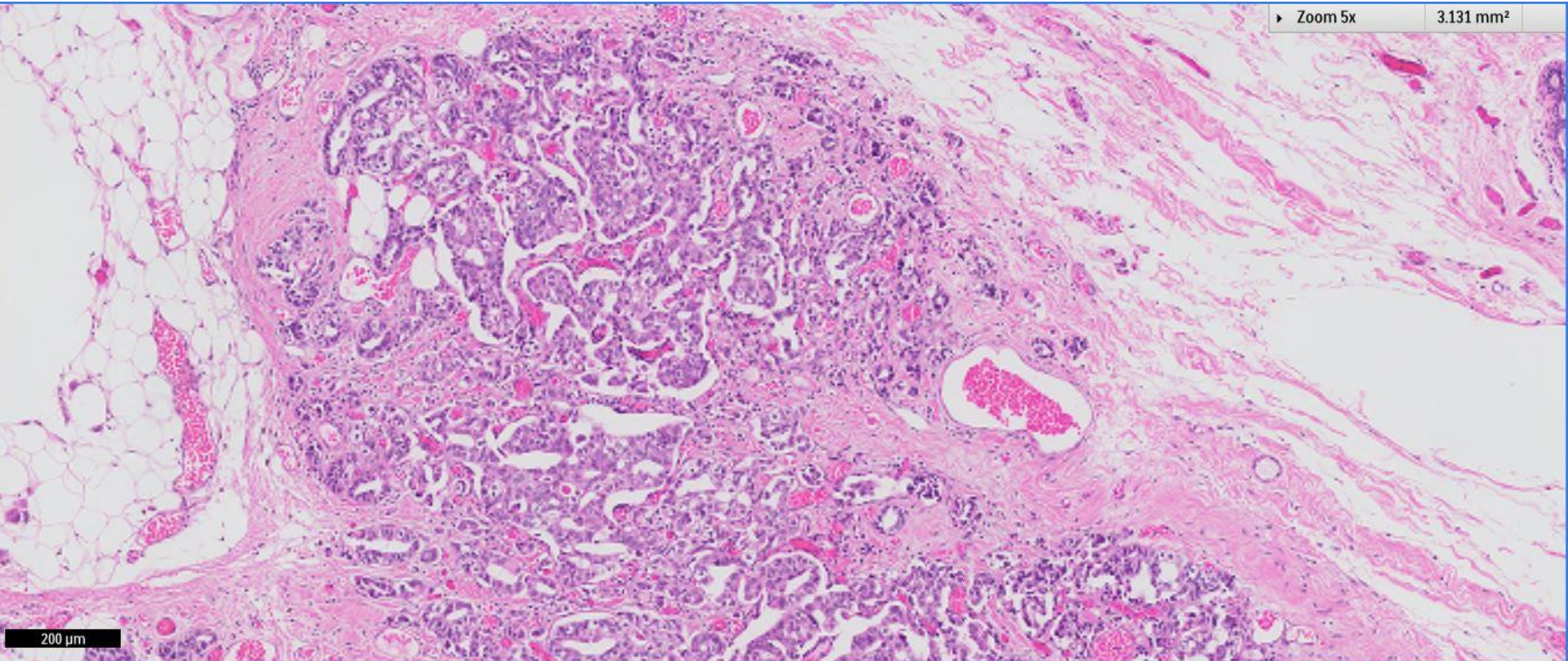
50.094 mm²



1 mm

Zoom 5x

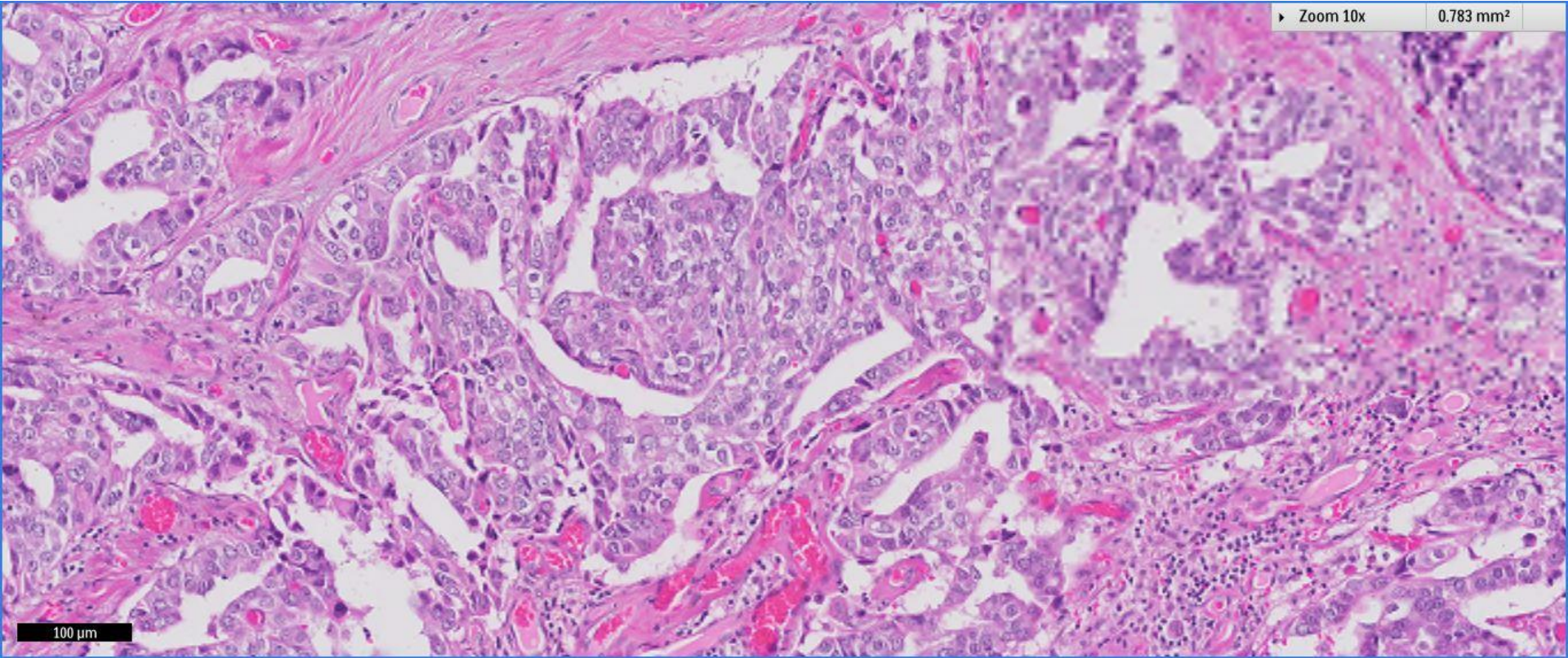
3.131 mm²



200 μm

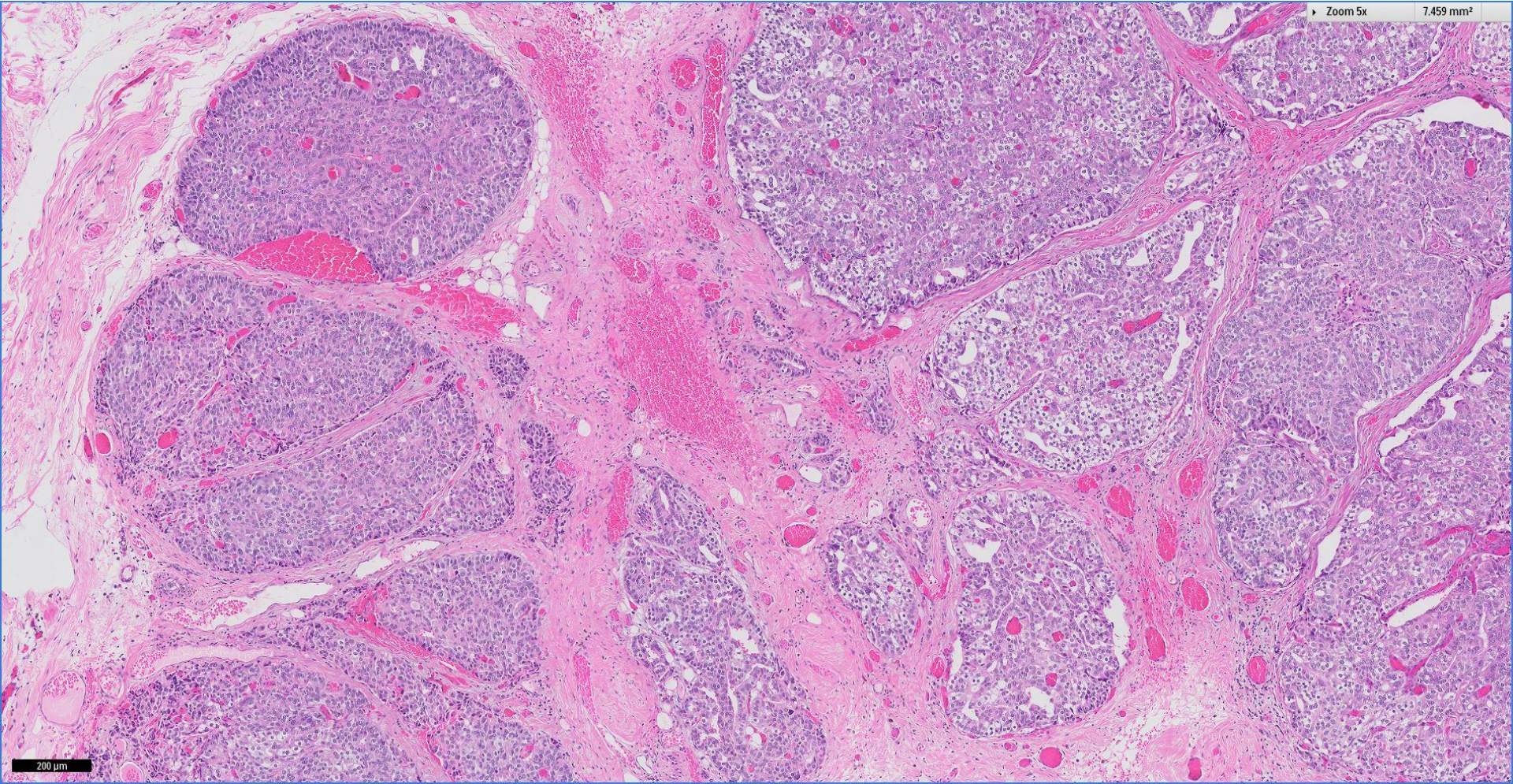
► Zoom 10x

0.783 mm²



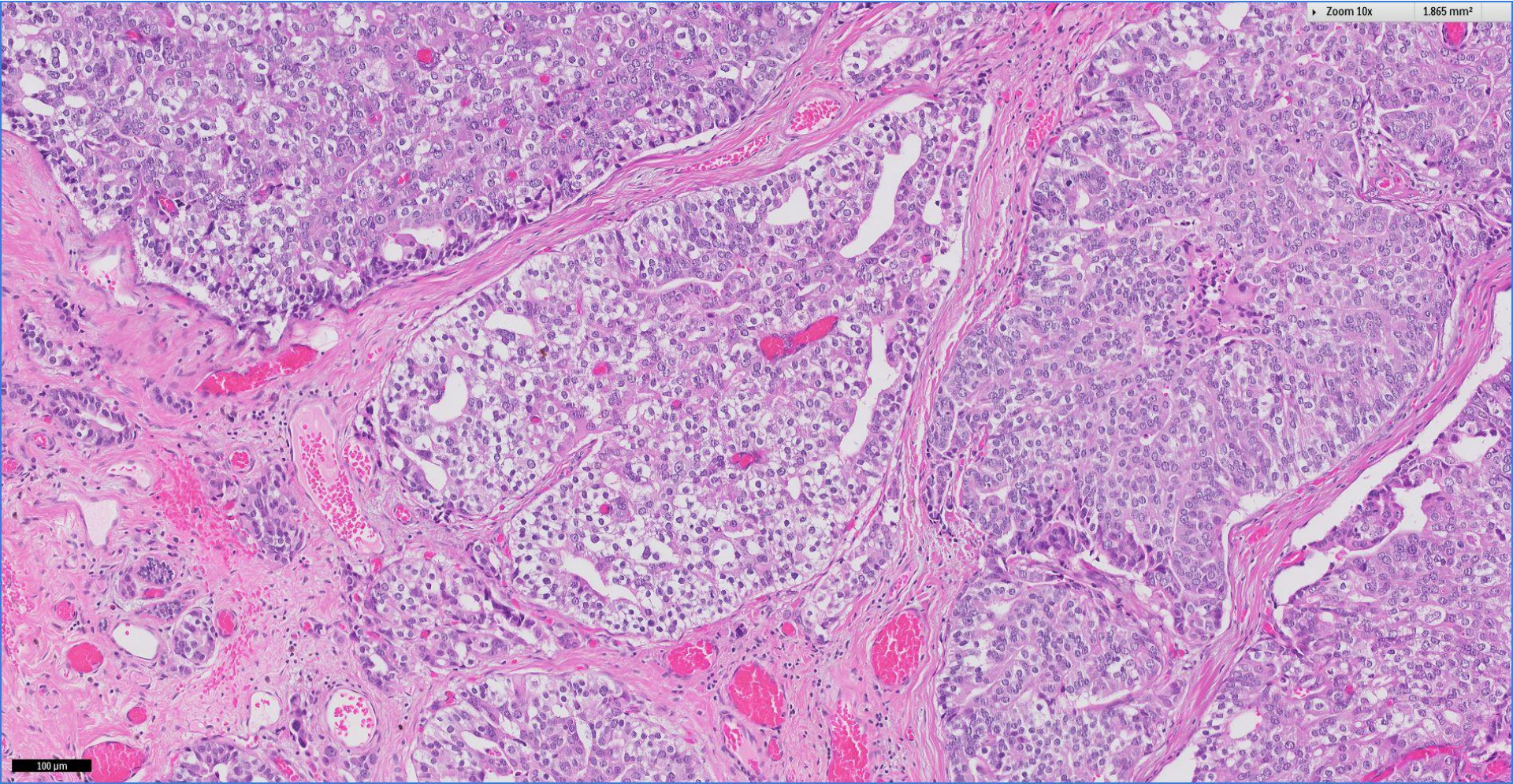
100 μm



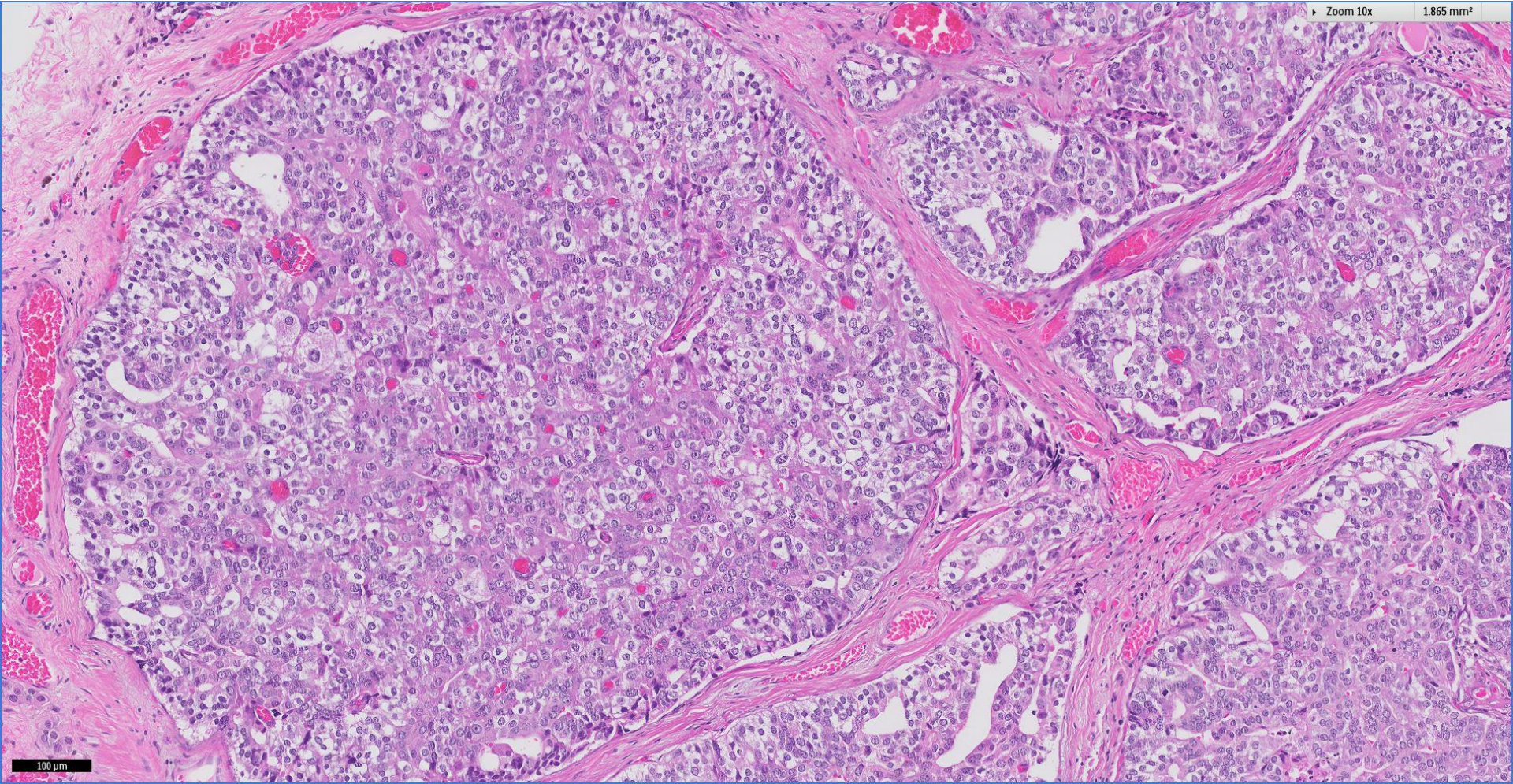


Zoom 10x

1.865 mm²



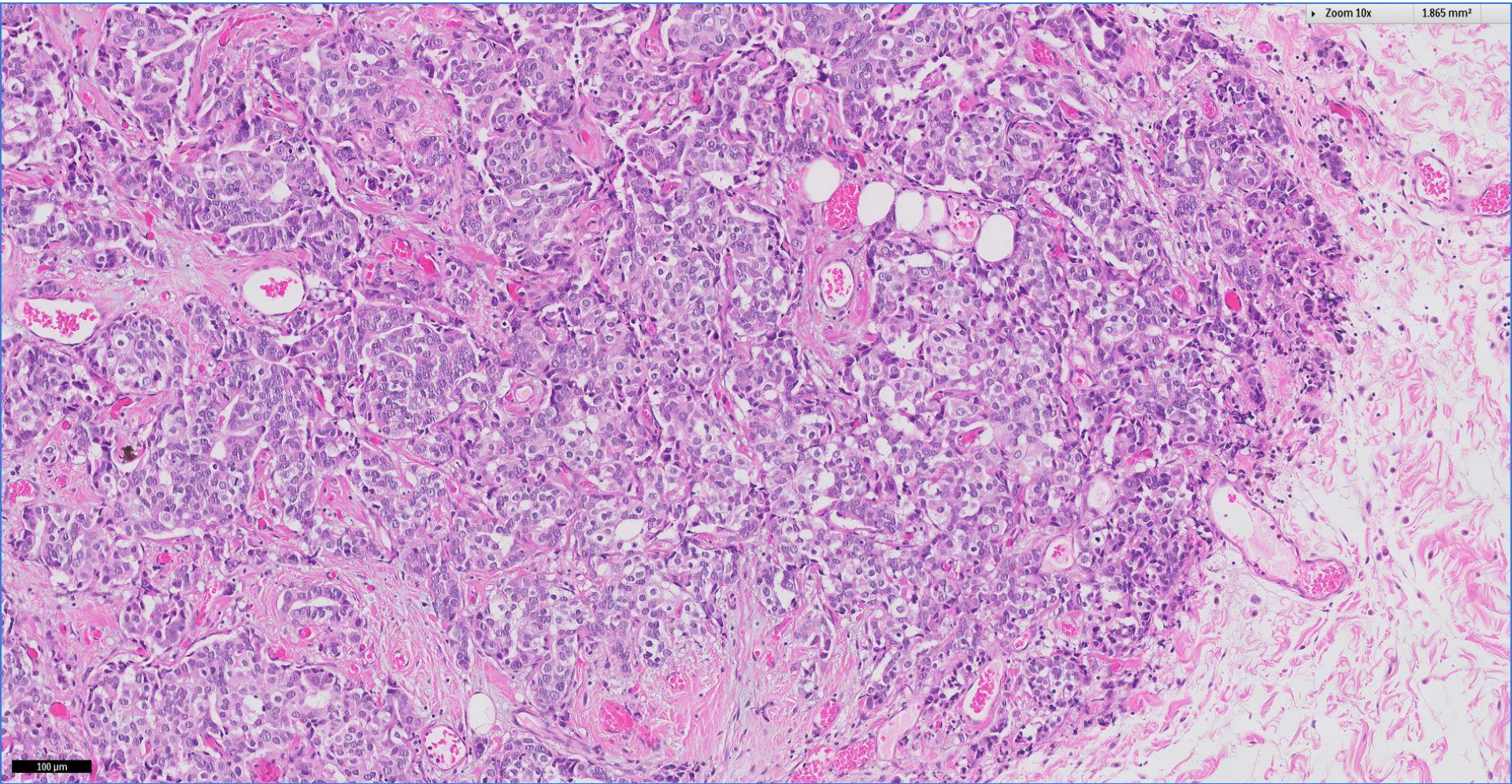
100 μ m



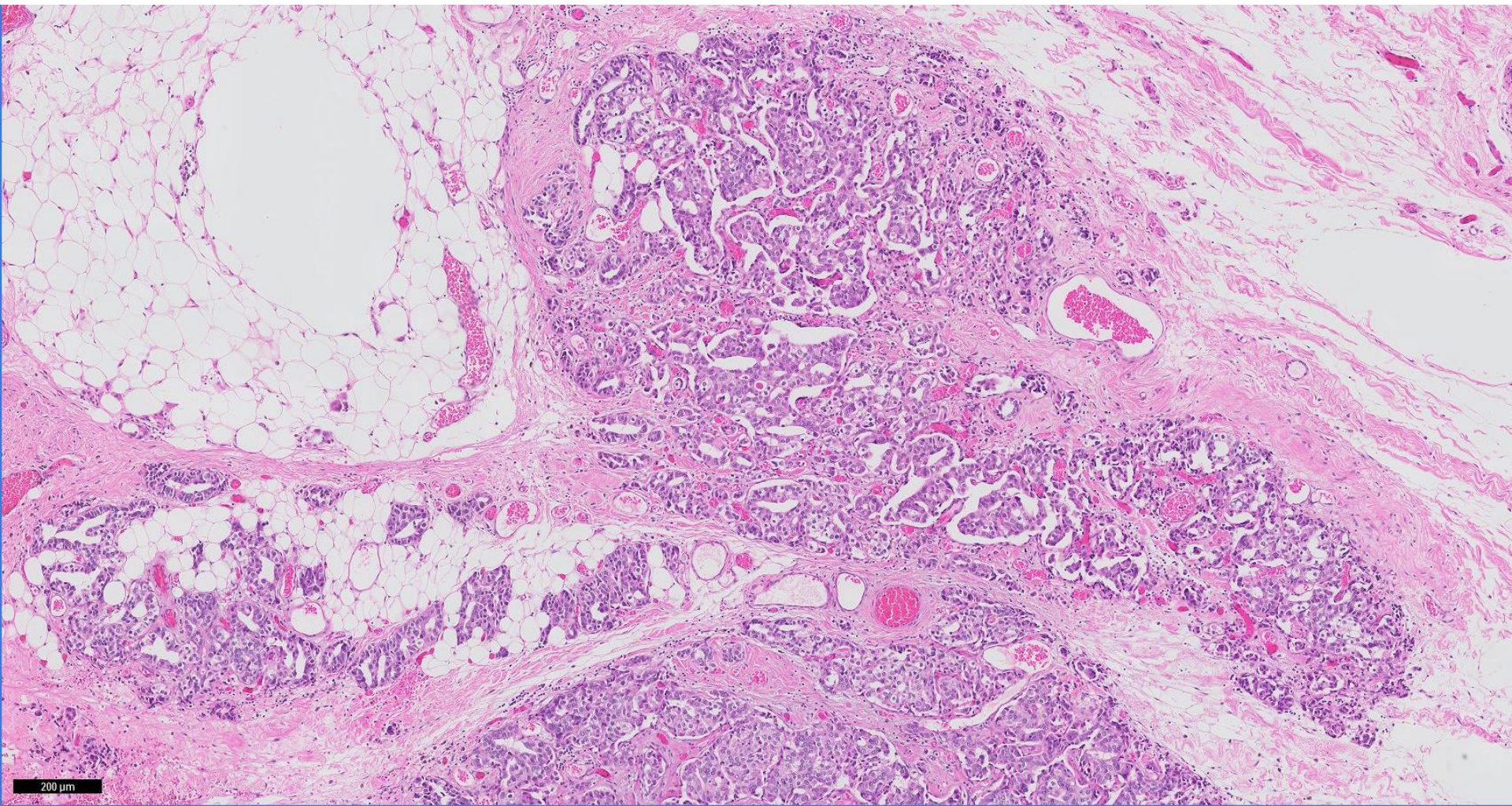
100 μ m

Zoom 10x

1.865 mm²



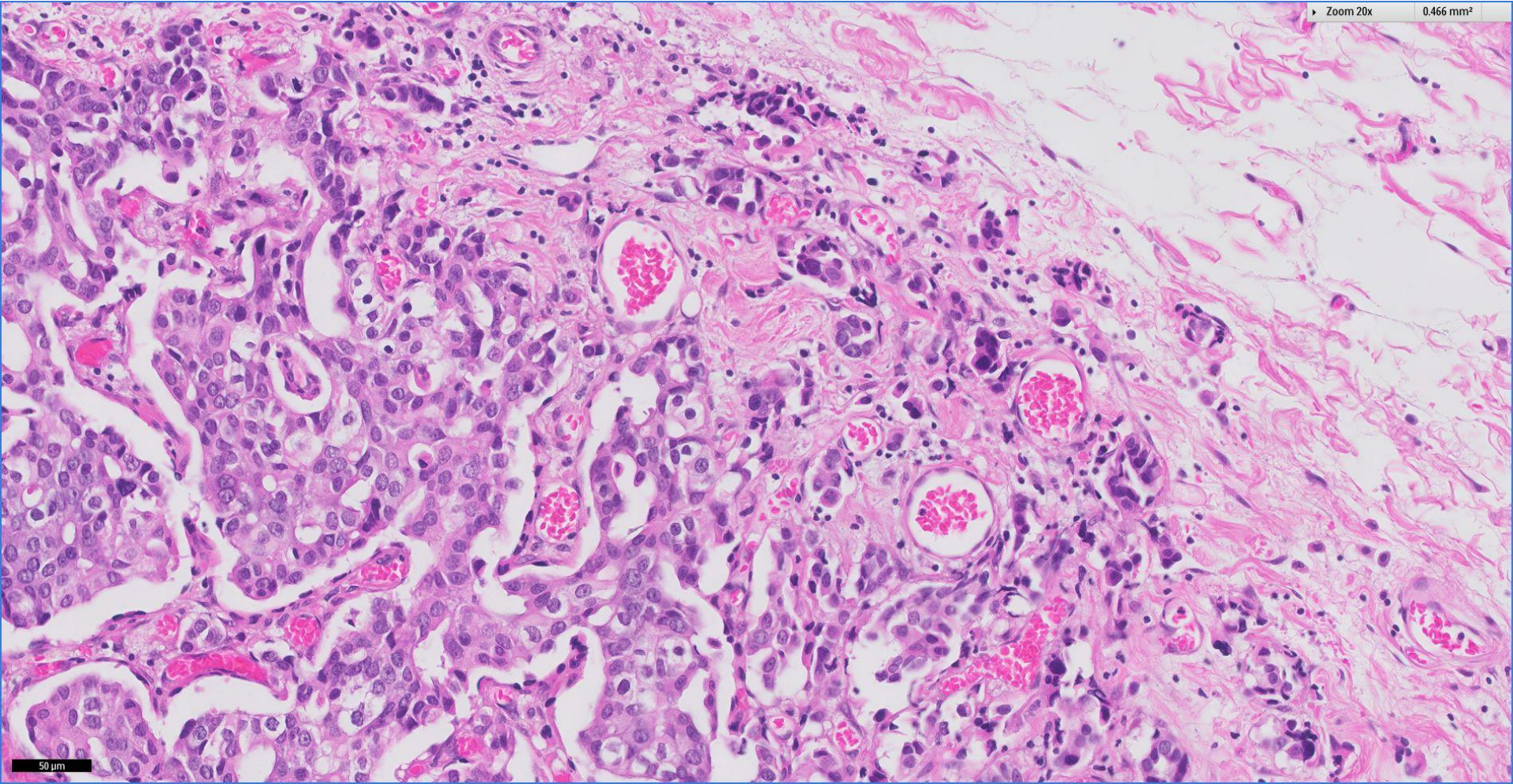
100 μ m



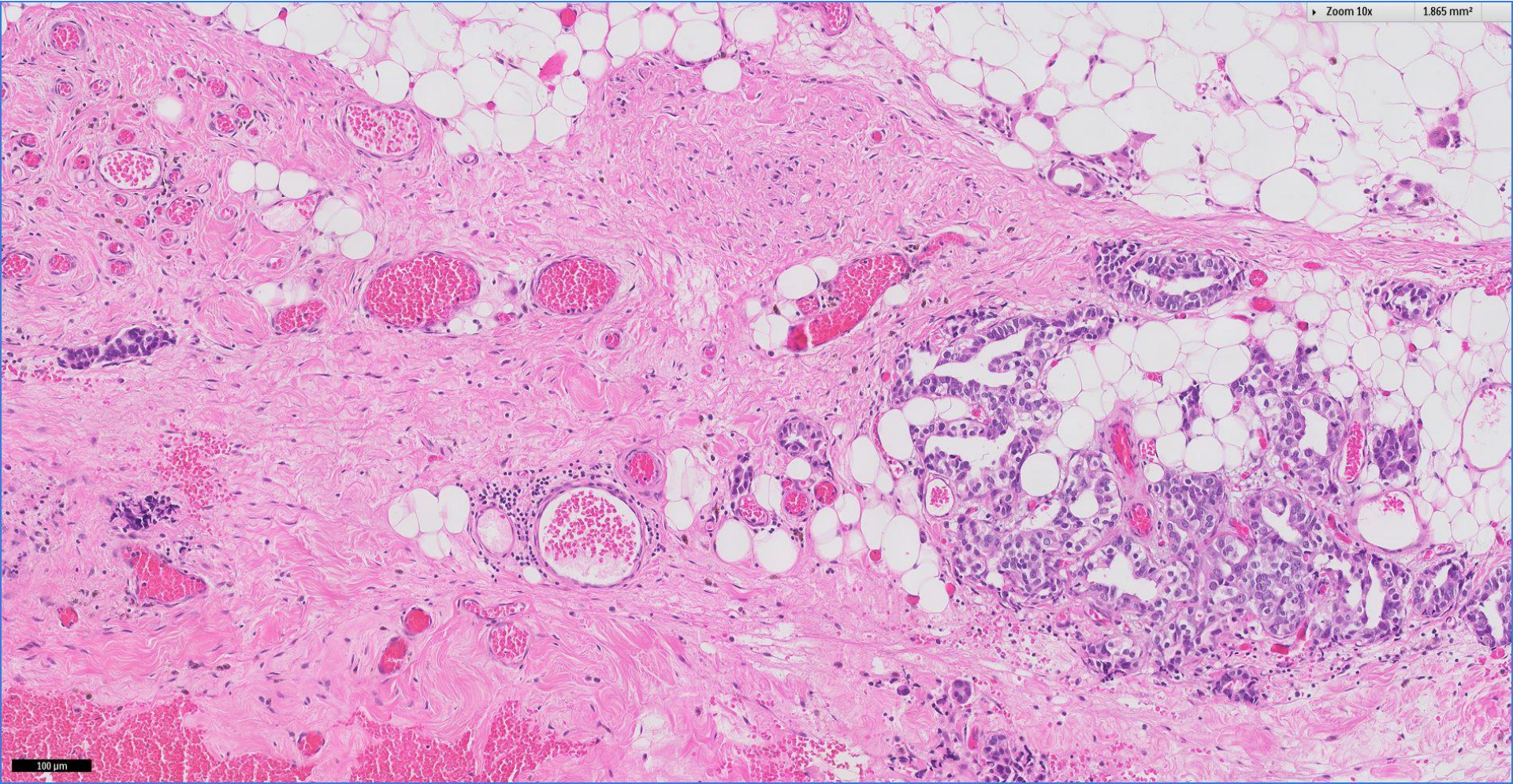
200 μ m

Zoom 20x

0.466 mm²



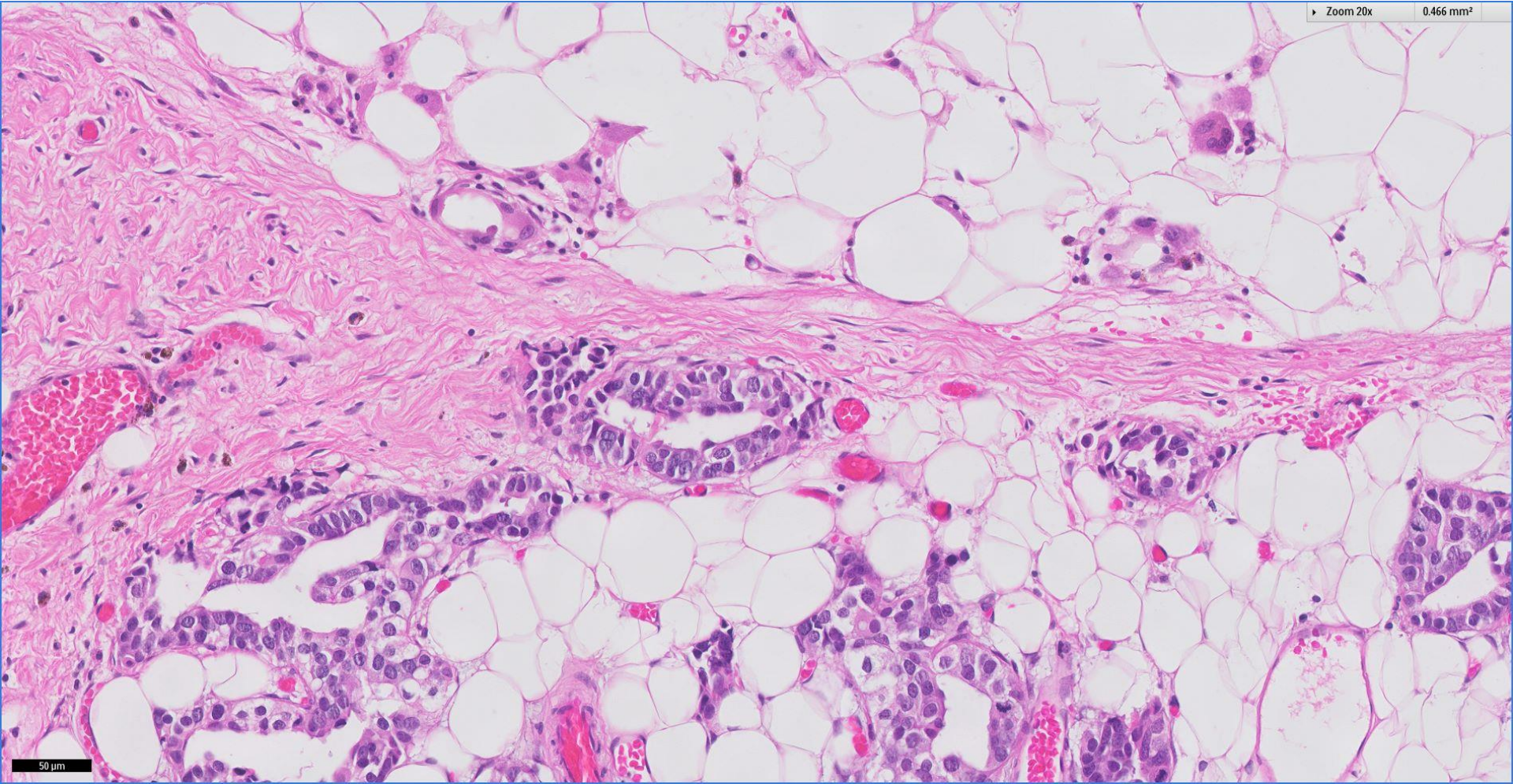
50 μm



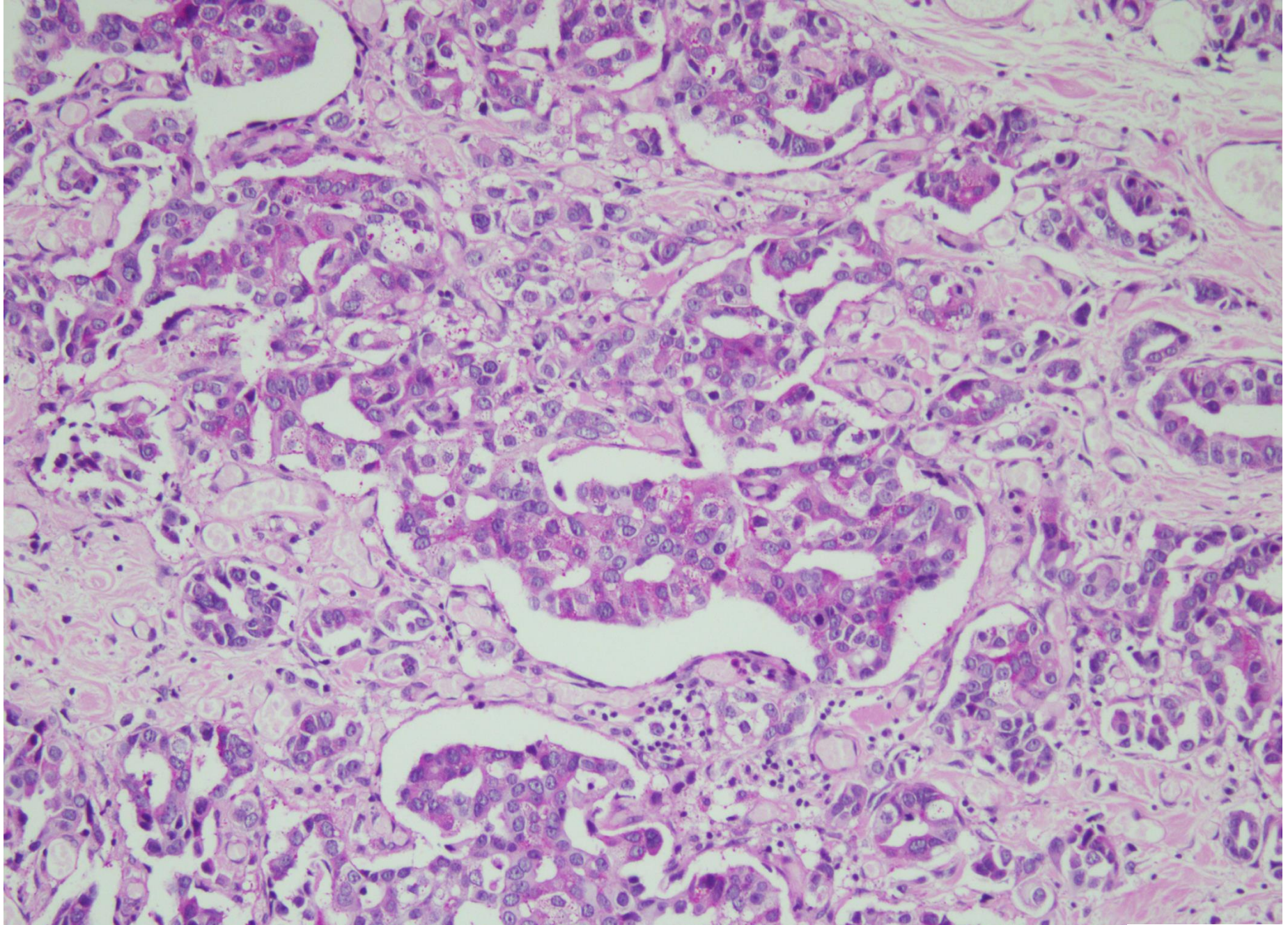
100 μ m

Zoom 20x

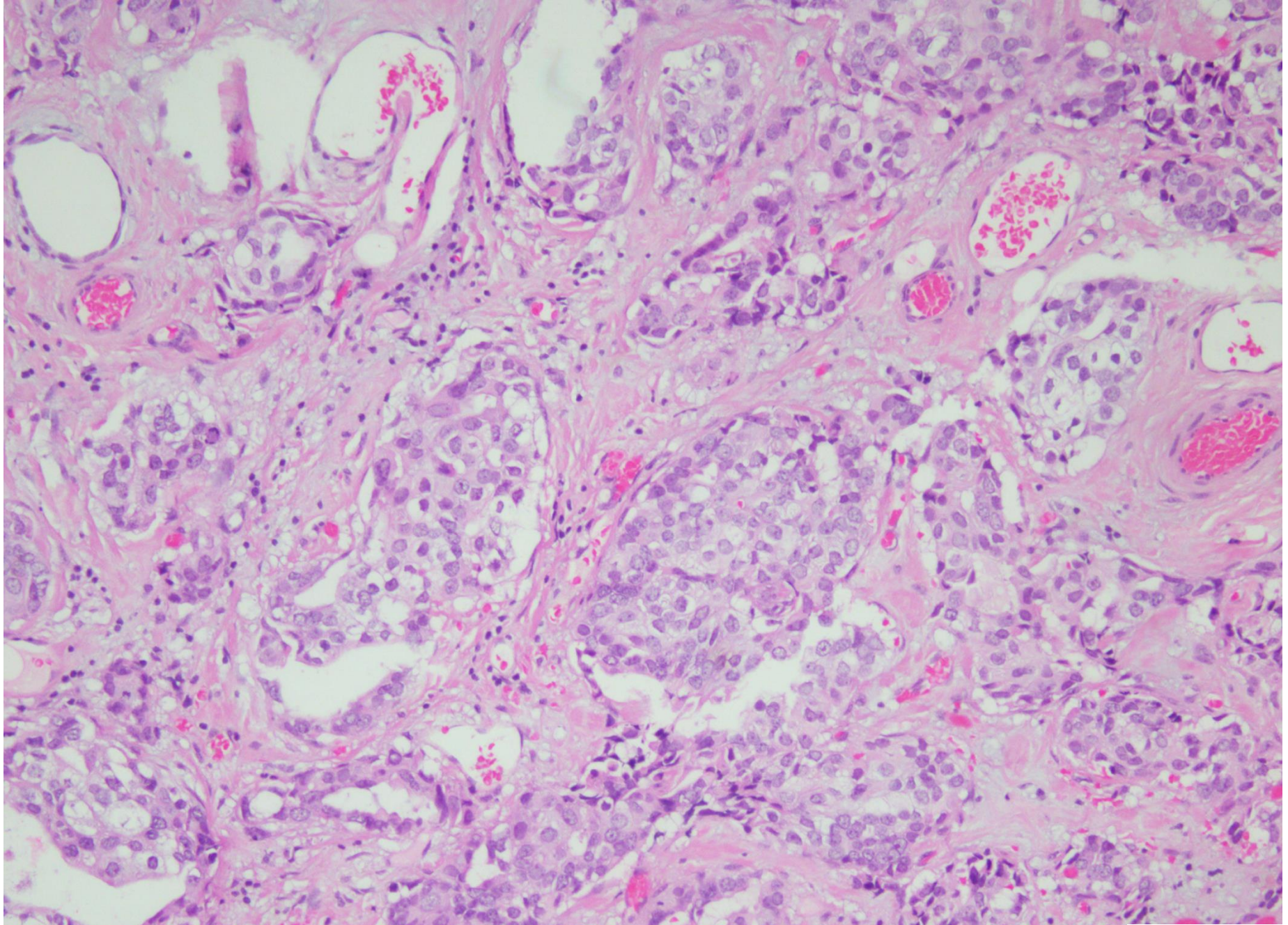
0.466 mm²



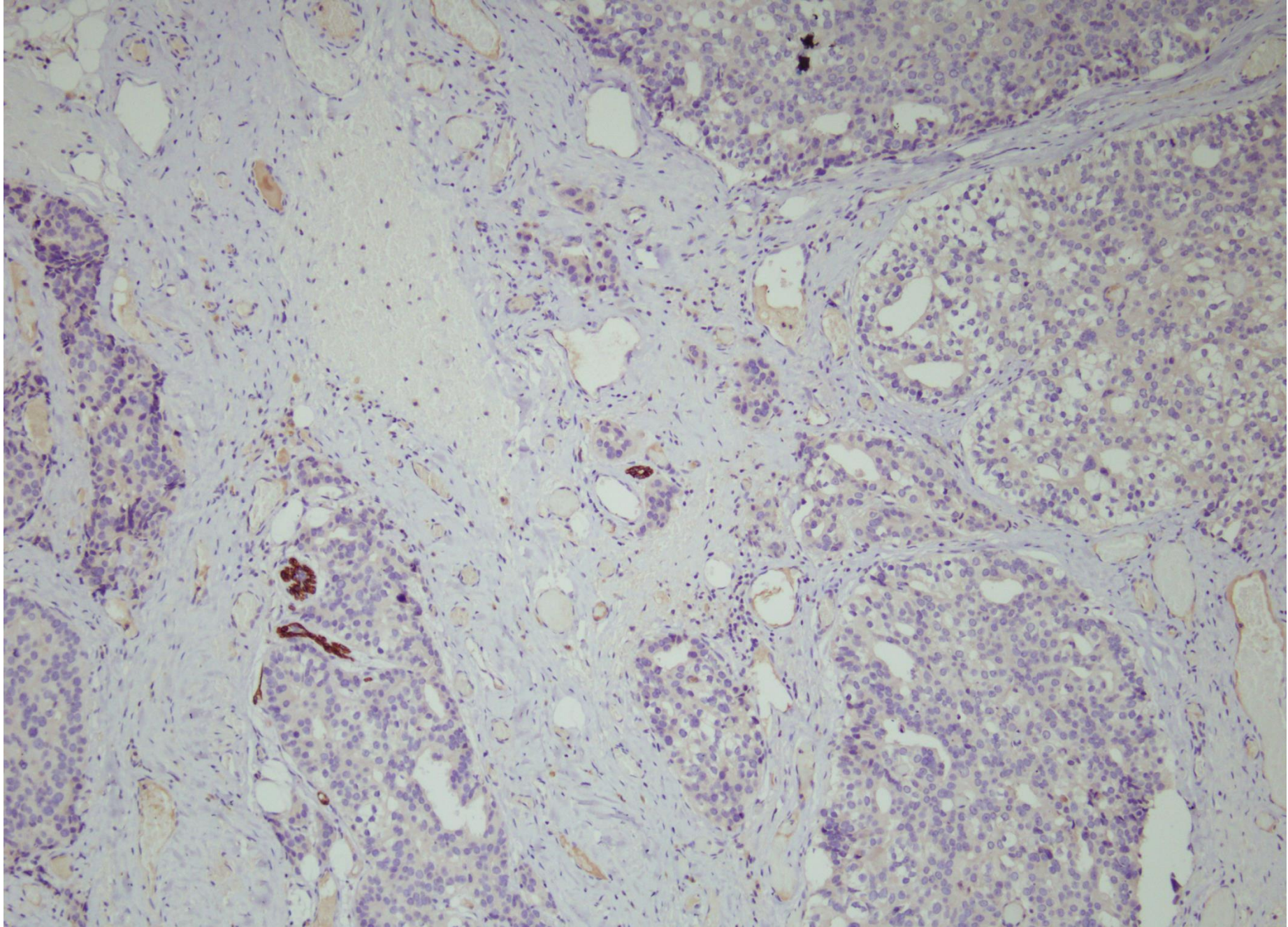
50 μm



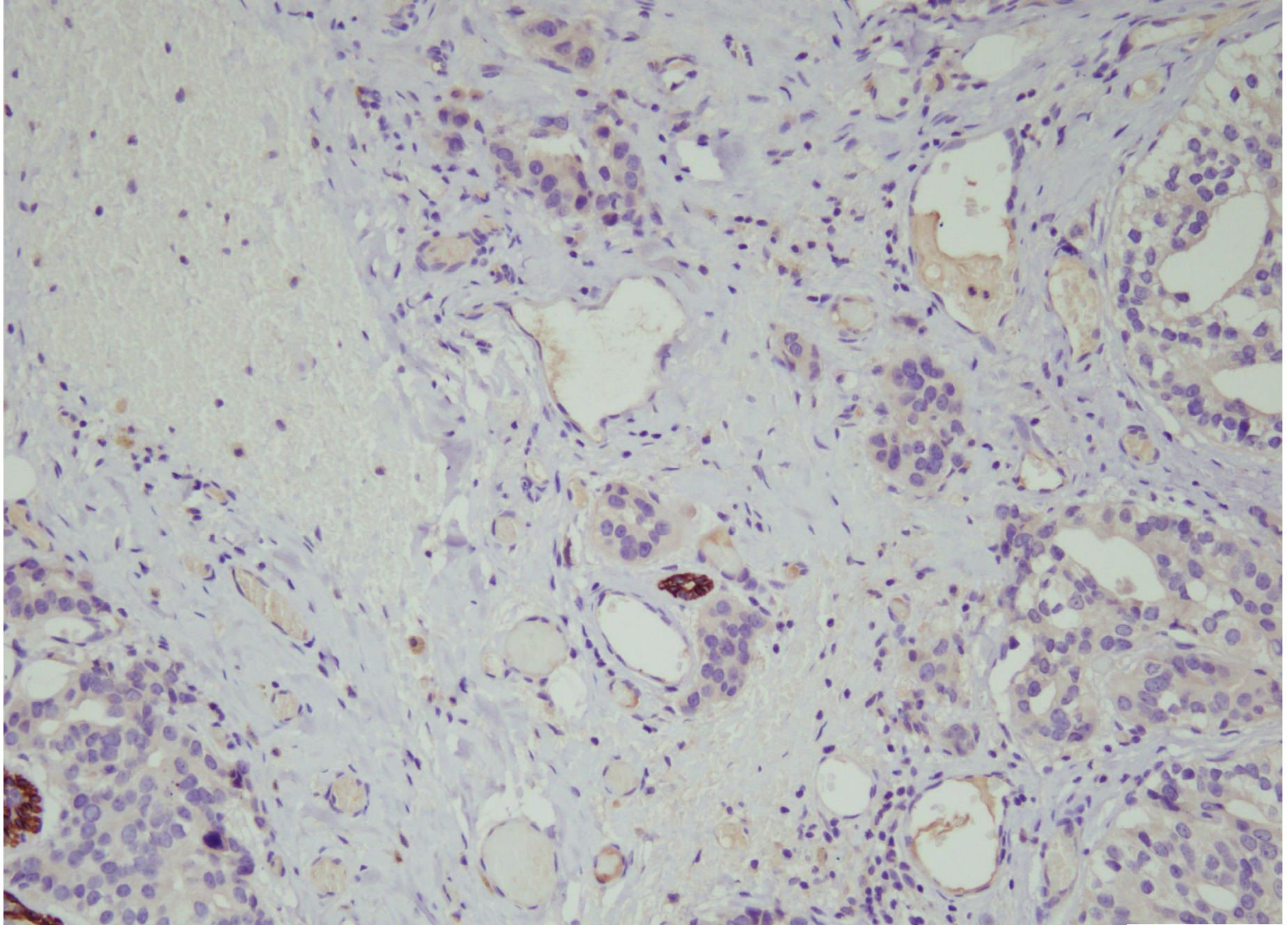
PAS



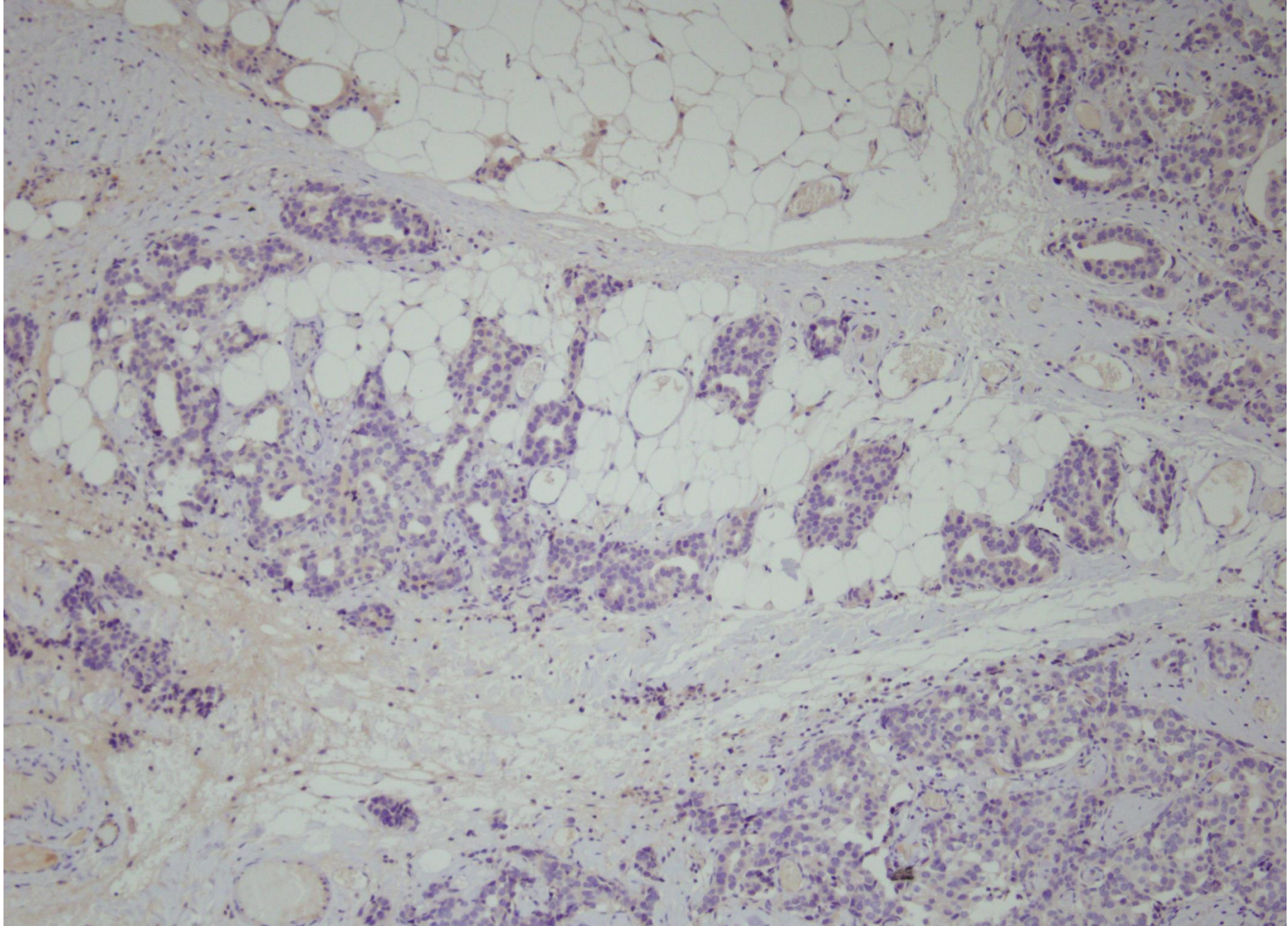
PASD



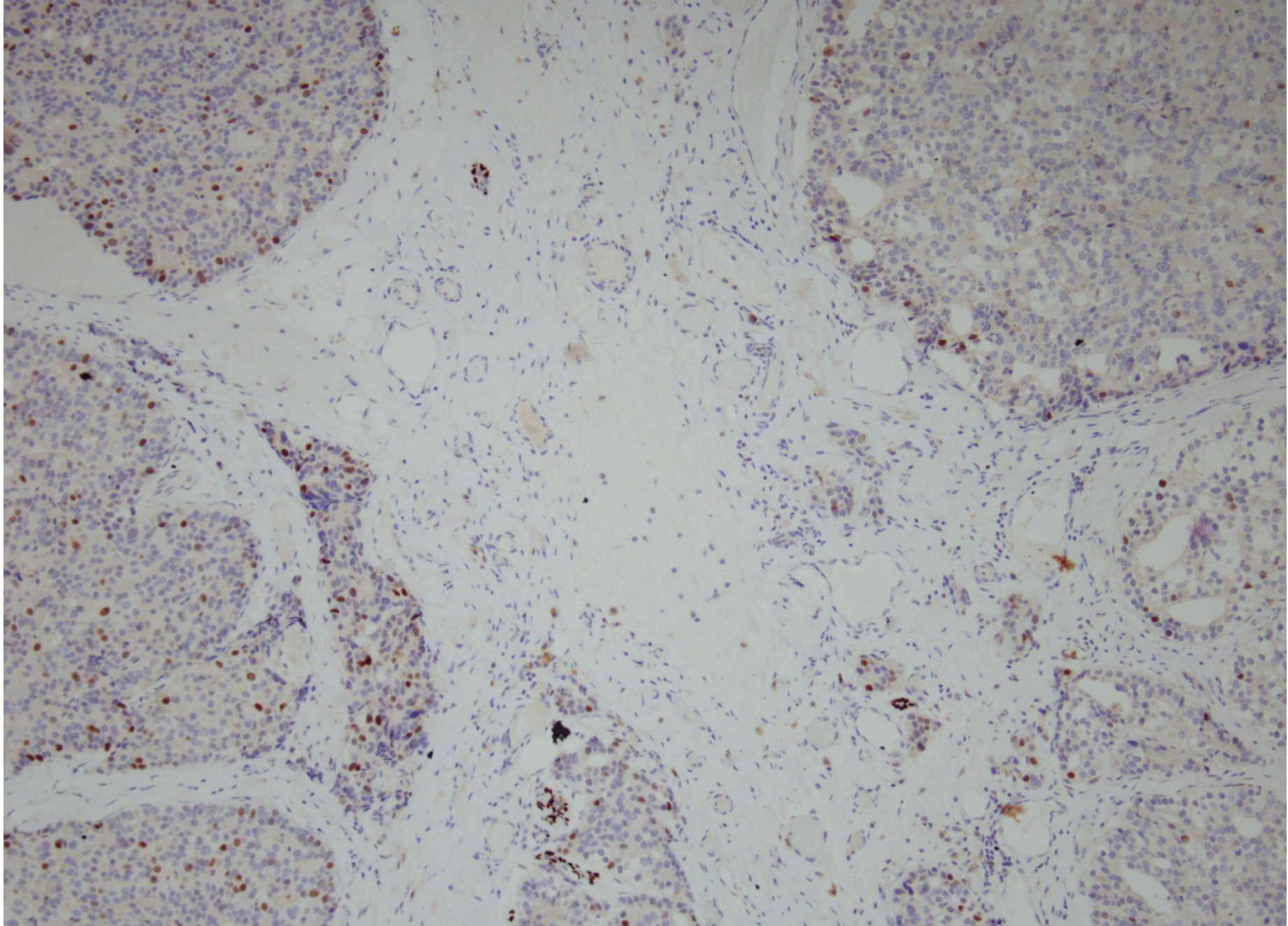
CK14



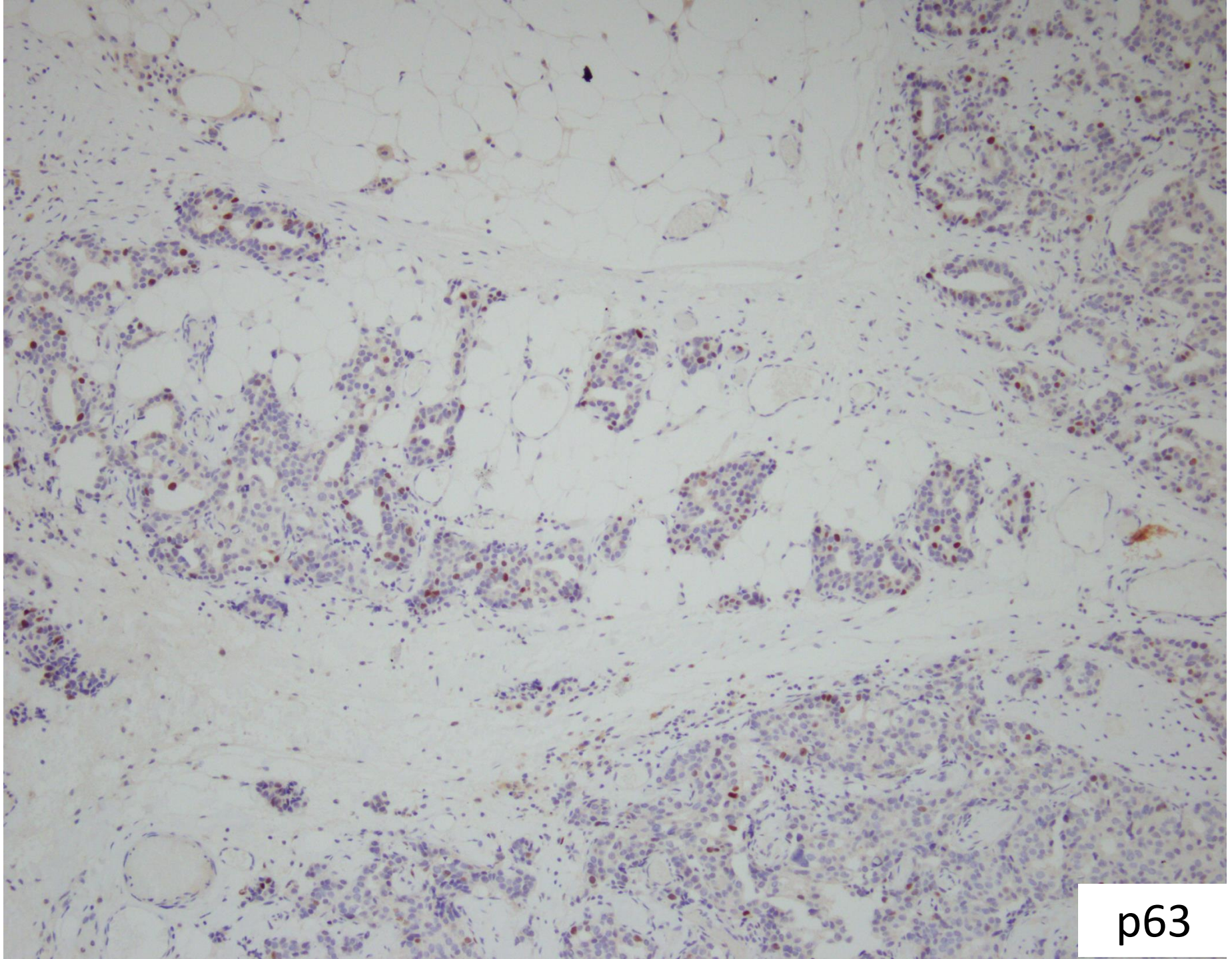
CK14



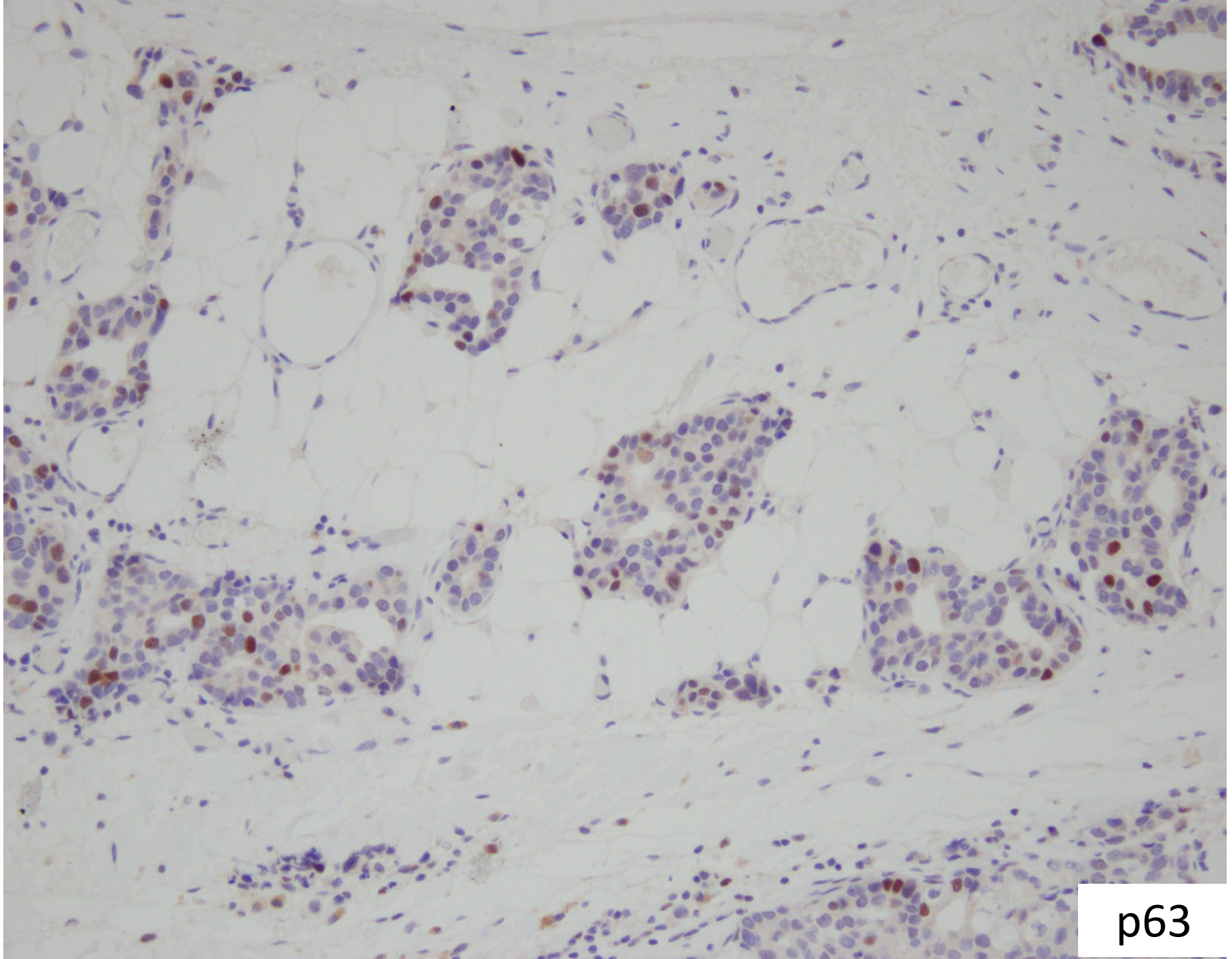
CK14



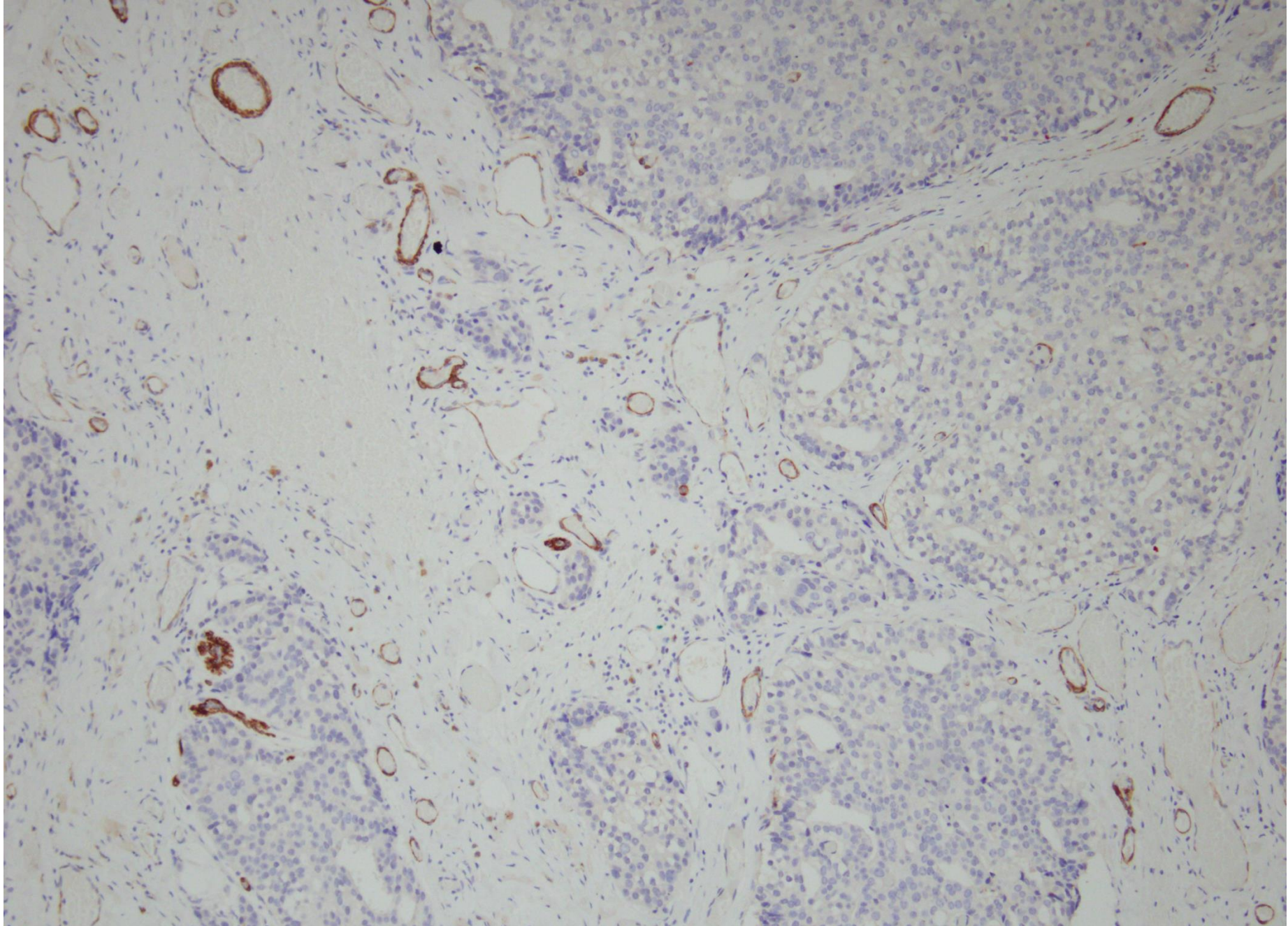
p63



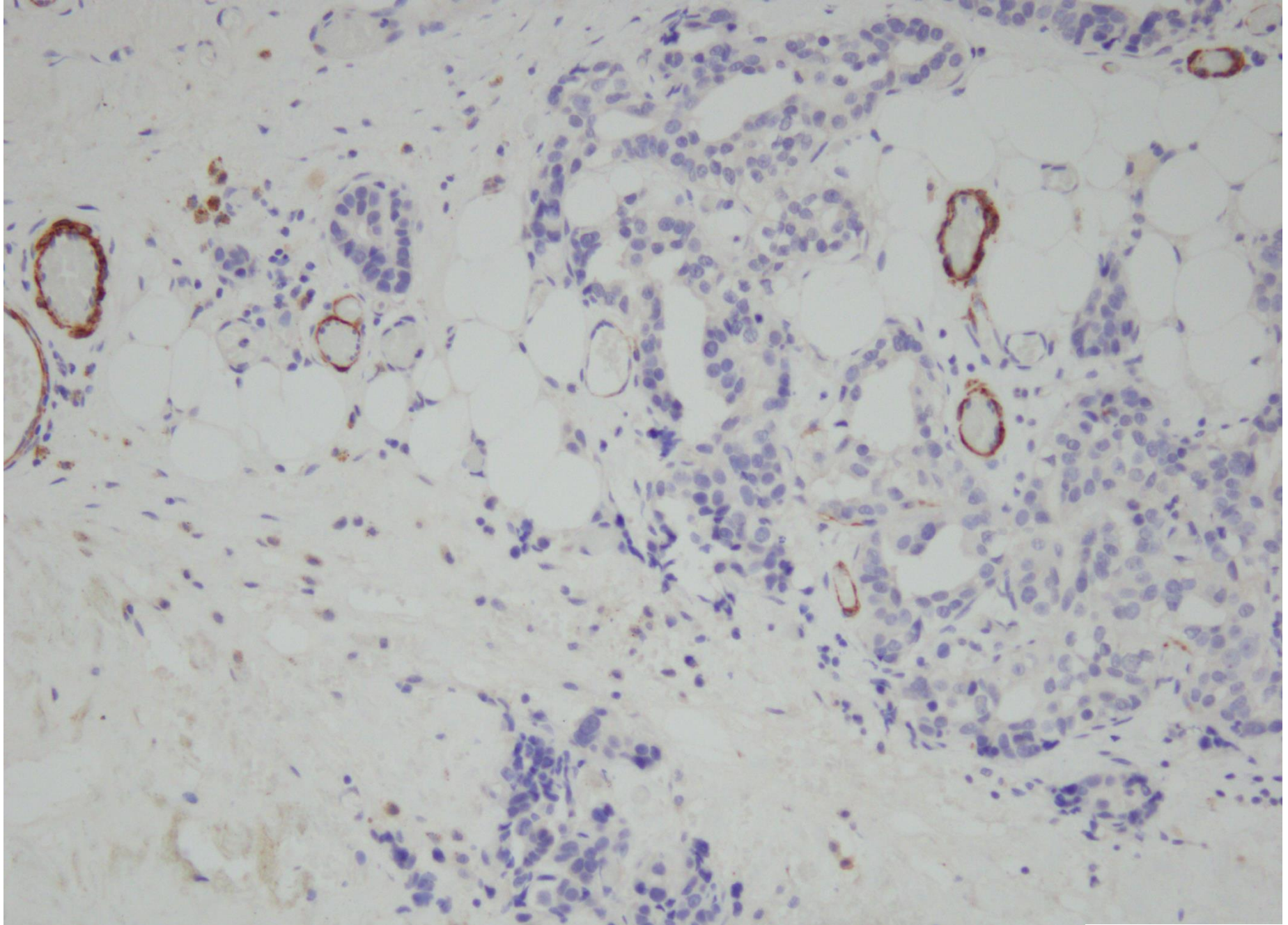
p63



p63



SMMS



SMMS

Left breast, mastectomy:

*Invasive ductal carcinoma, with
clear cell and papillary components.
ER positive, PR negative, cerbB2
borderline (FISH not amplified).*



Invasive ductal carcinoma with clear cell features

- Clear cell appearance in this case is due to cytoplasmic glycogen.
- ~ 60% of breast carcinomas may contain cytoplasmic glycogen without demonstrating morphological clear cell features.
- Glycogen rich clear cell carcinoma classified as an exceptionally rare variant of breast carcinoma, defined by which $> 90\%$ of the neoplastic cells have abundant clear cytoplasm containing glycogen.



 Breast
Pathology
Course 2014

