

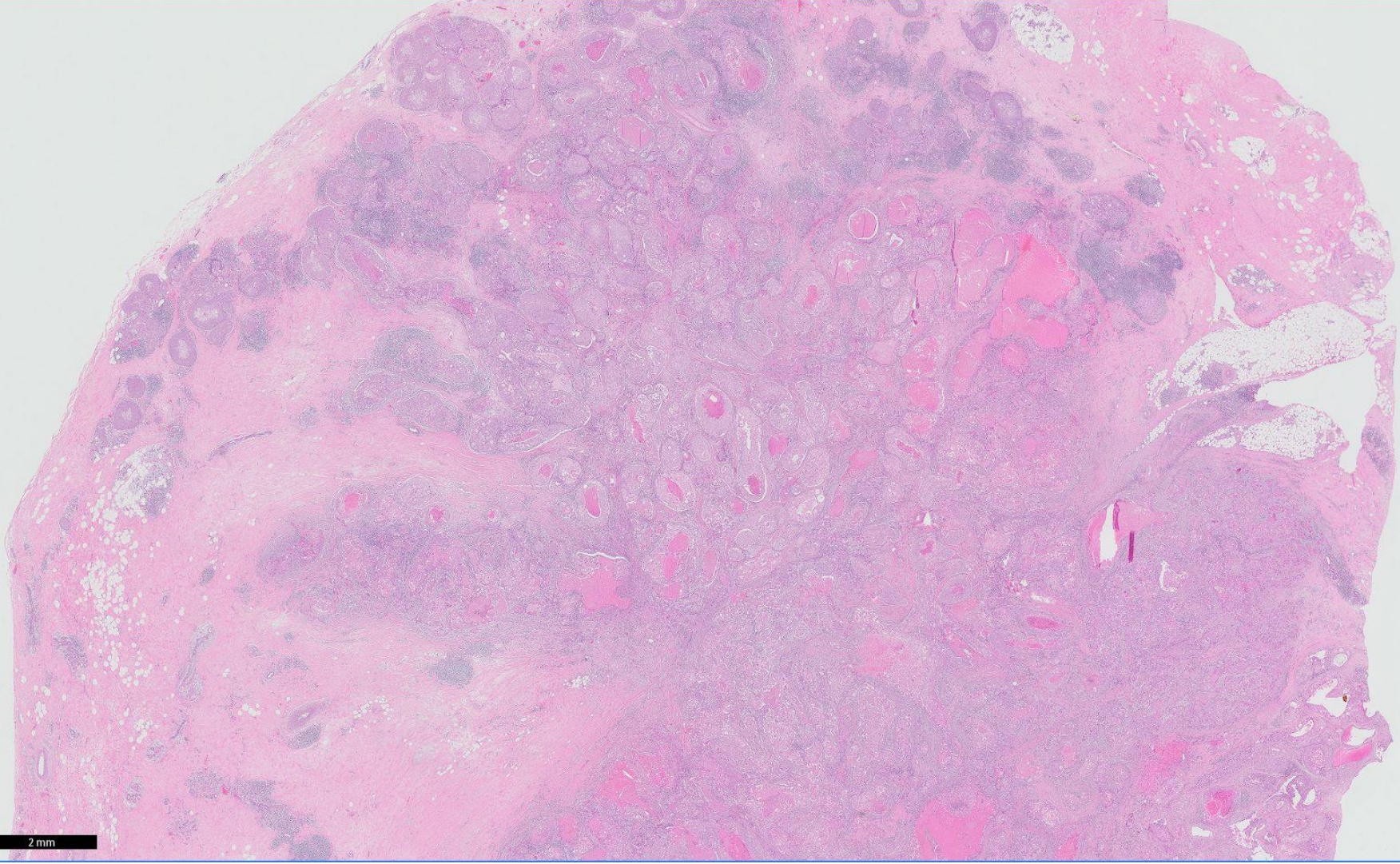
Case 23

62 year old woman with a left breast lump.

Core biopsies showed a high grade ductal carcinoma in situ with foci suspicious for invasion.

Left mastectomy with sentinel lymph node biopsy performed.

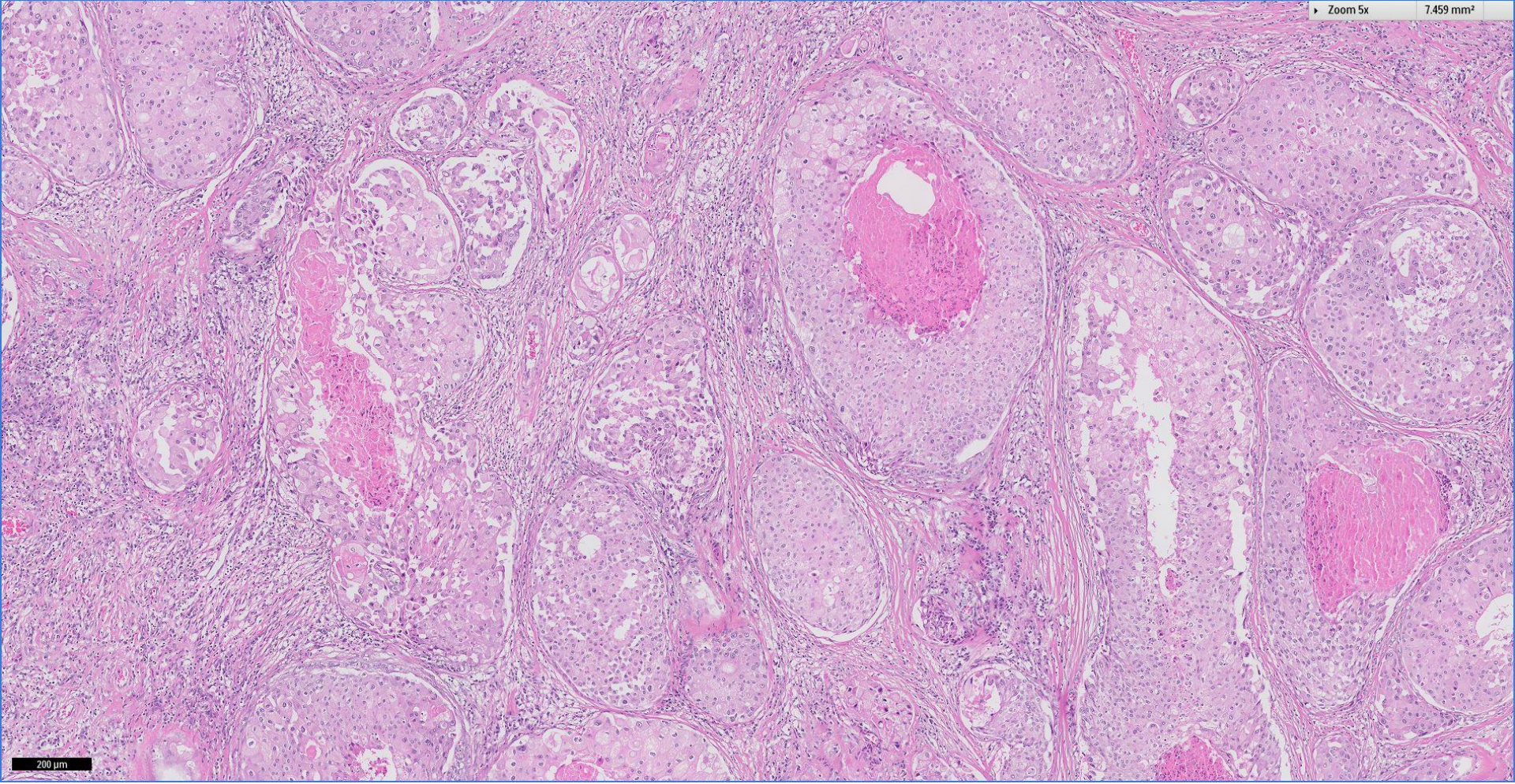




2 mm

Zoom 5x

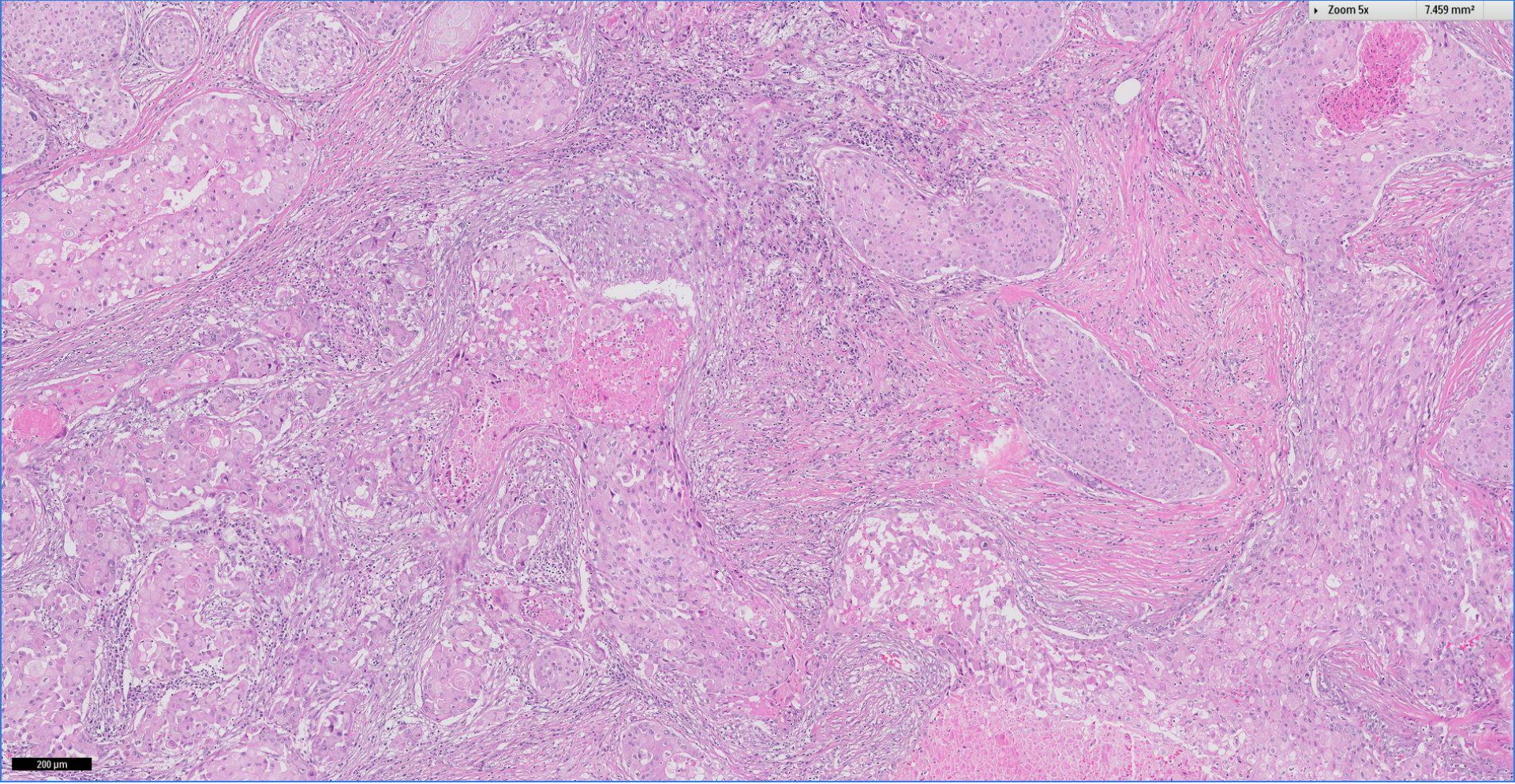
7.459 mm²



200 μm

Zoom 5x

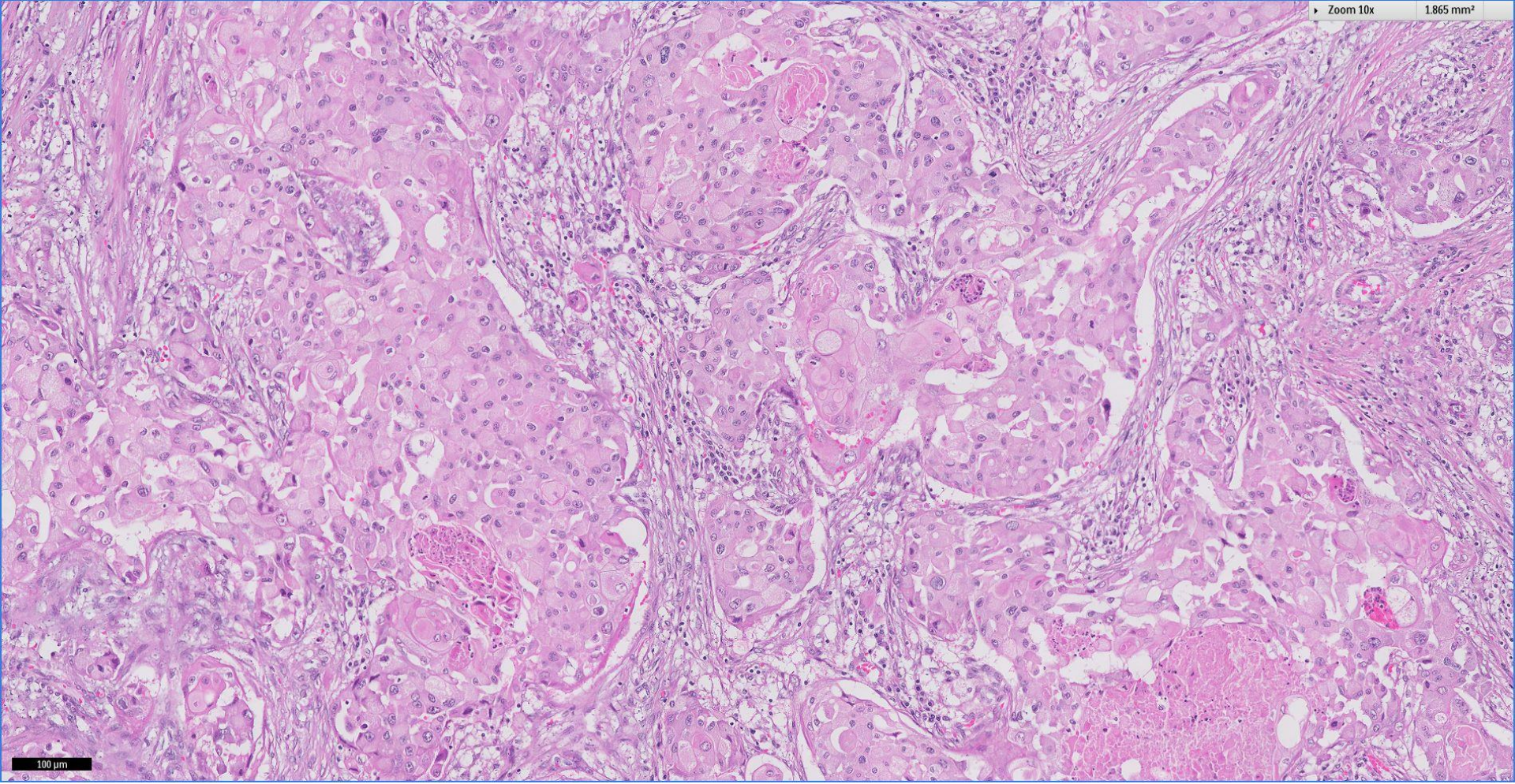
7.459 mm²



200 μm

Zoom 10x

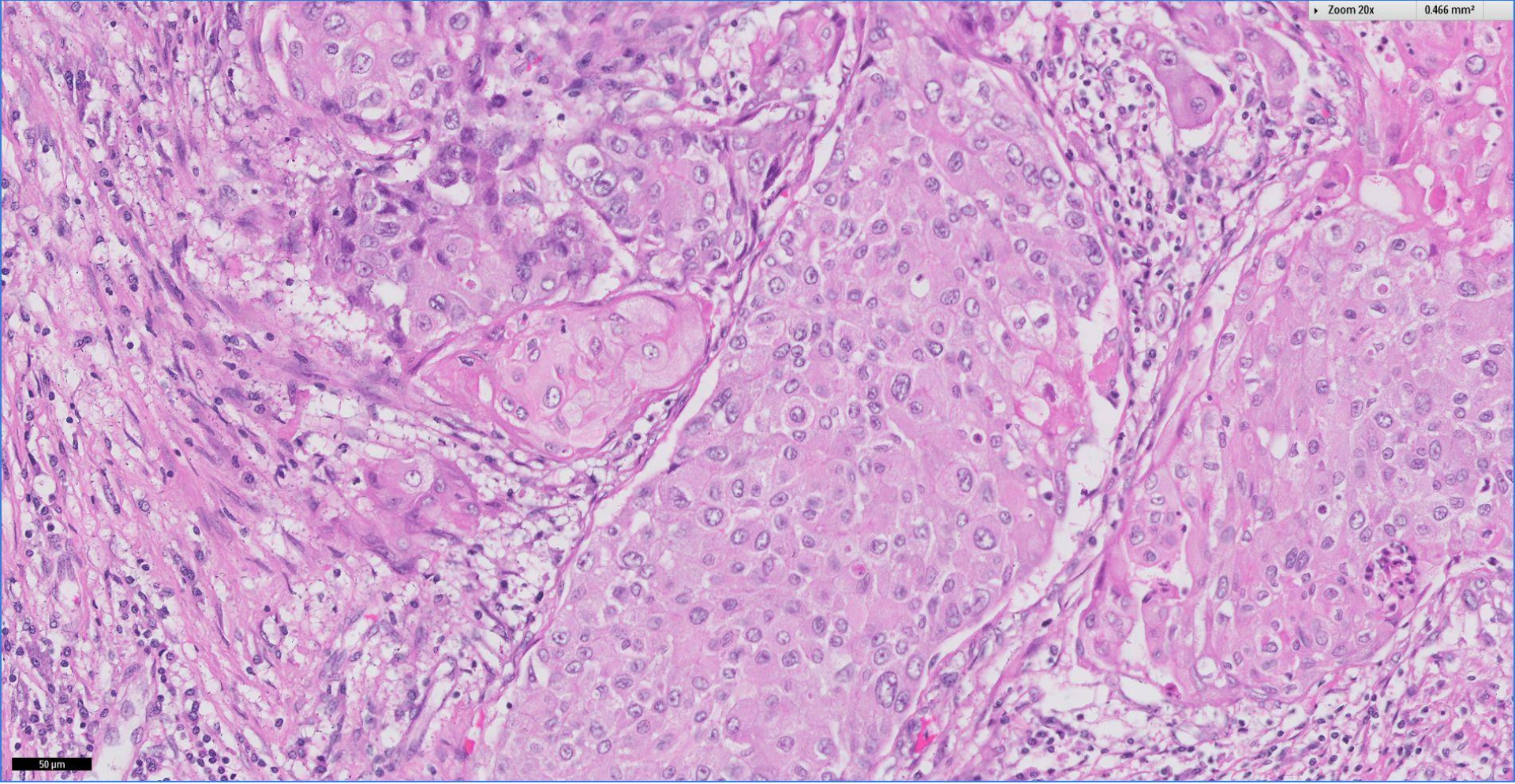
1.865 mm²



100 μm

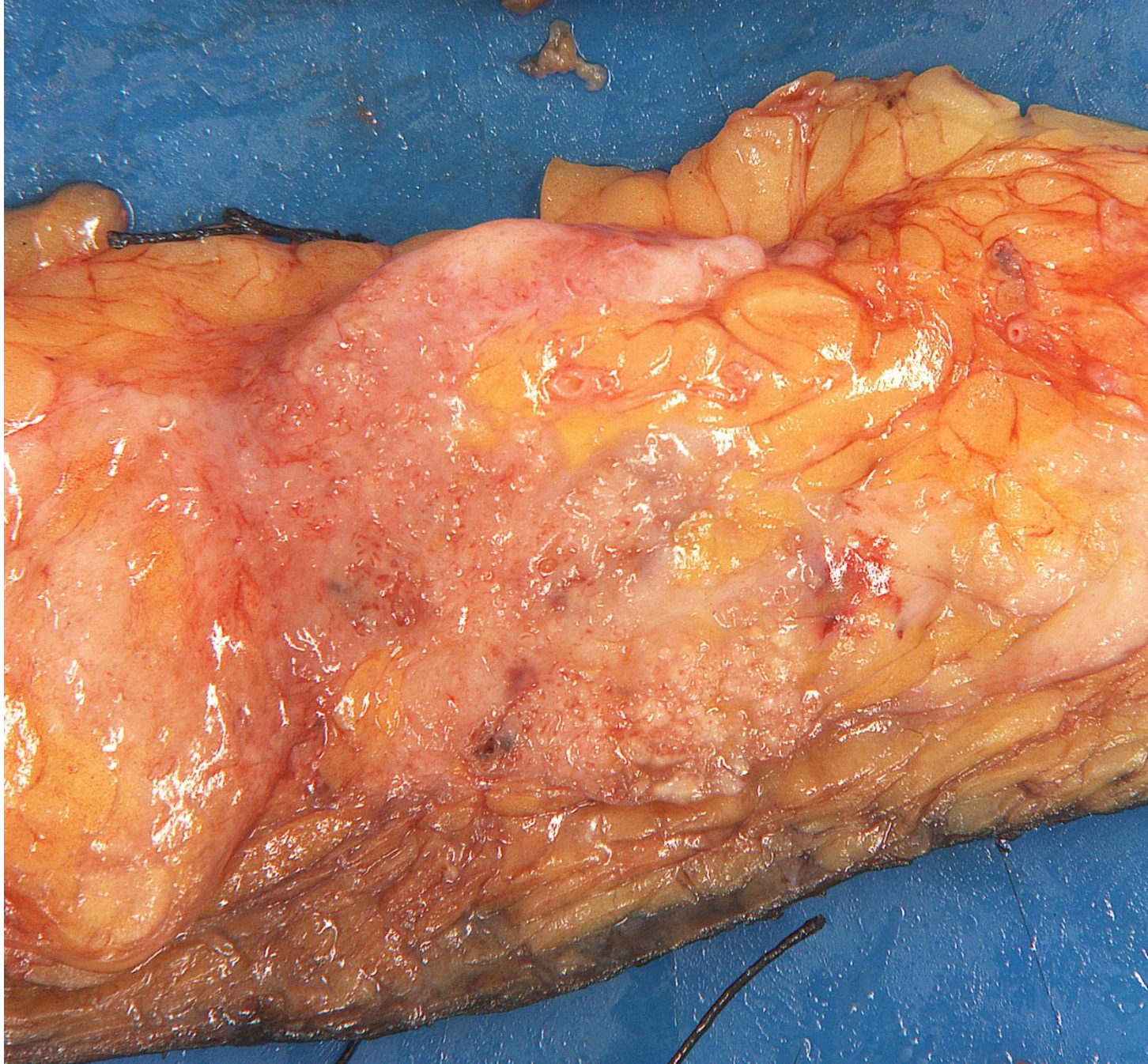
Zoom 20x

0.466 mm²



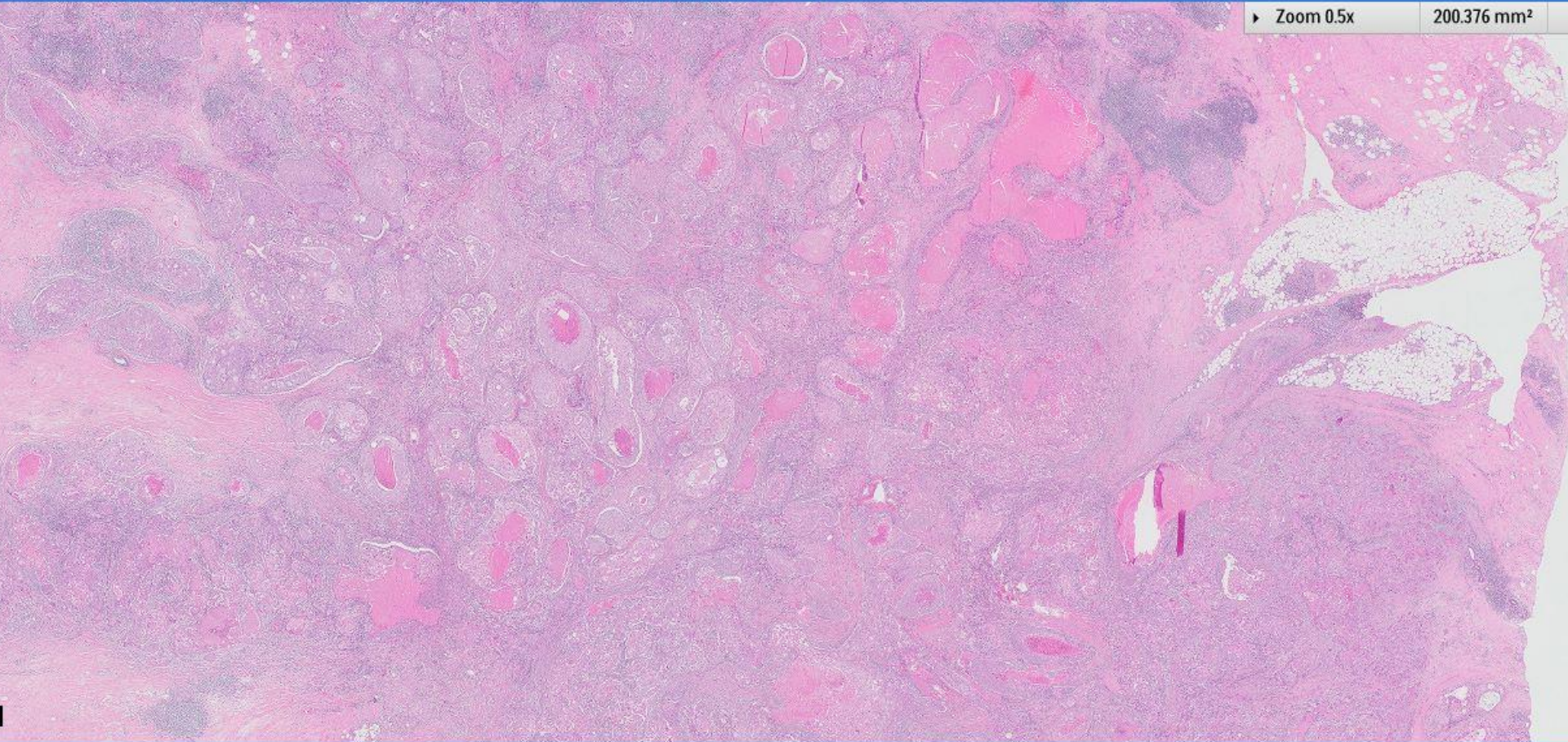
50 μm



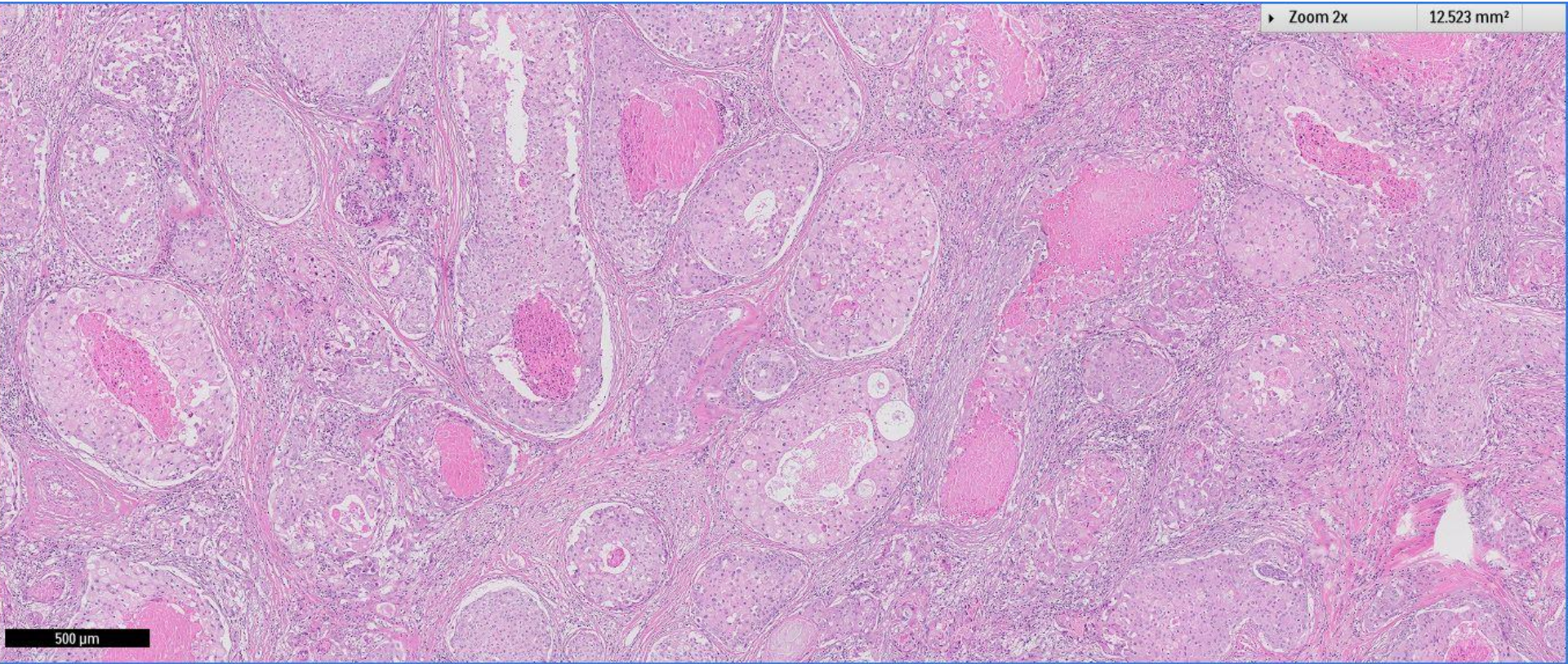


▶ Zoom 0.5x

200.376 mm²



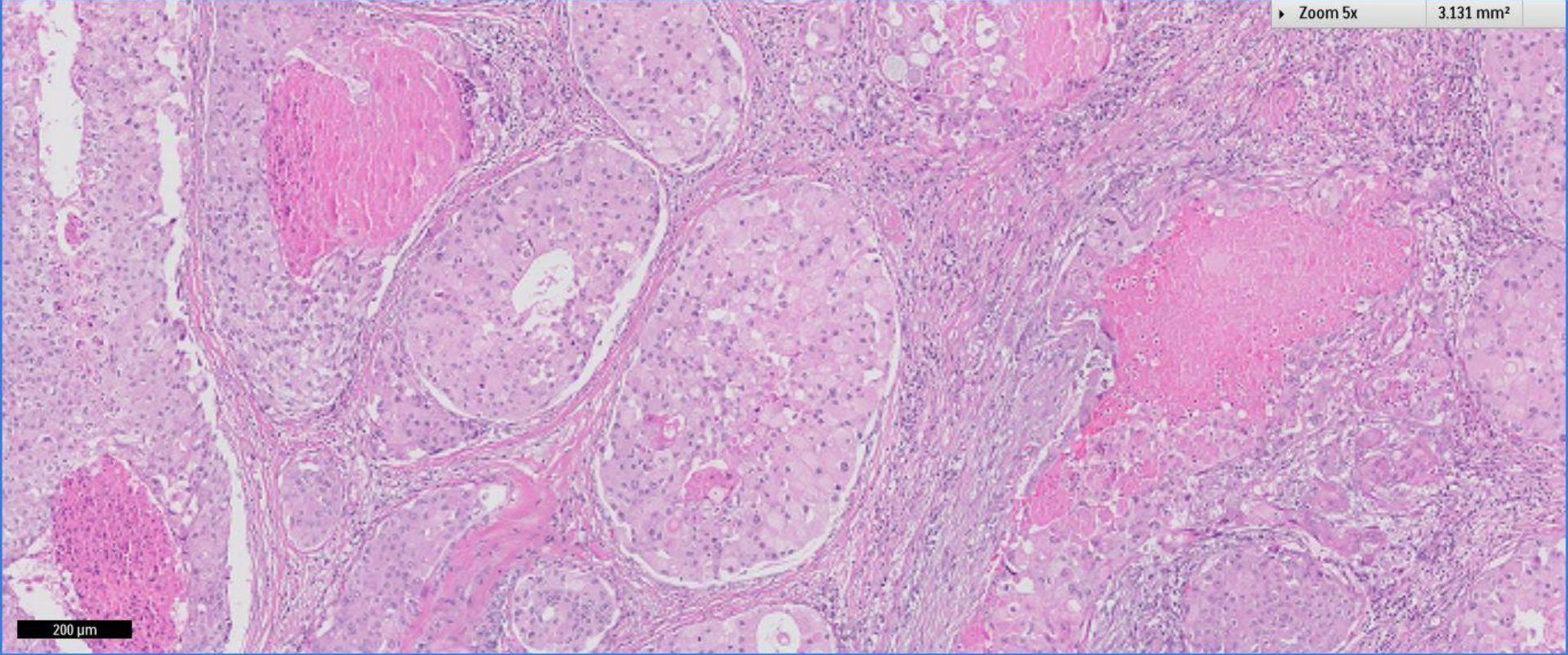
▶ Zoom 2x 12.523 mm²



500 μm

▶ Zoom 5x

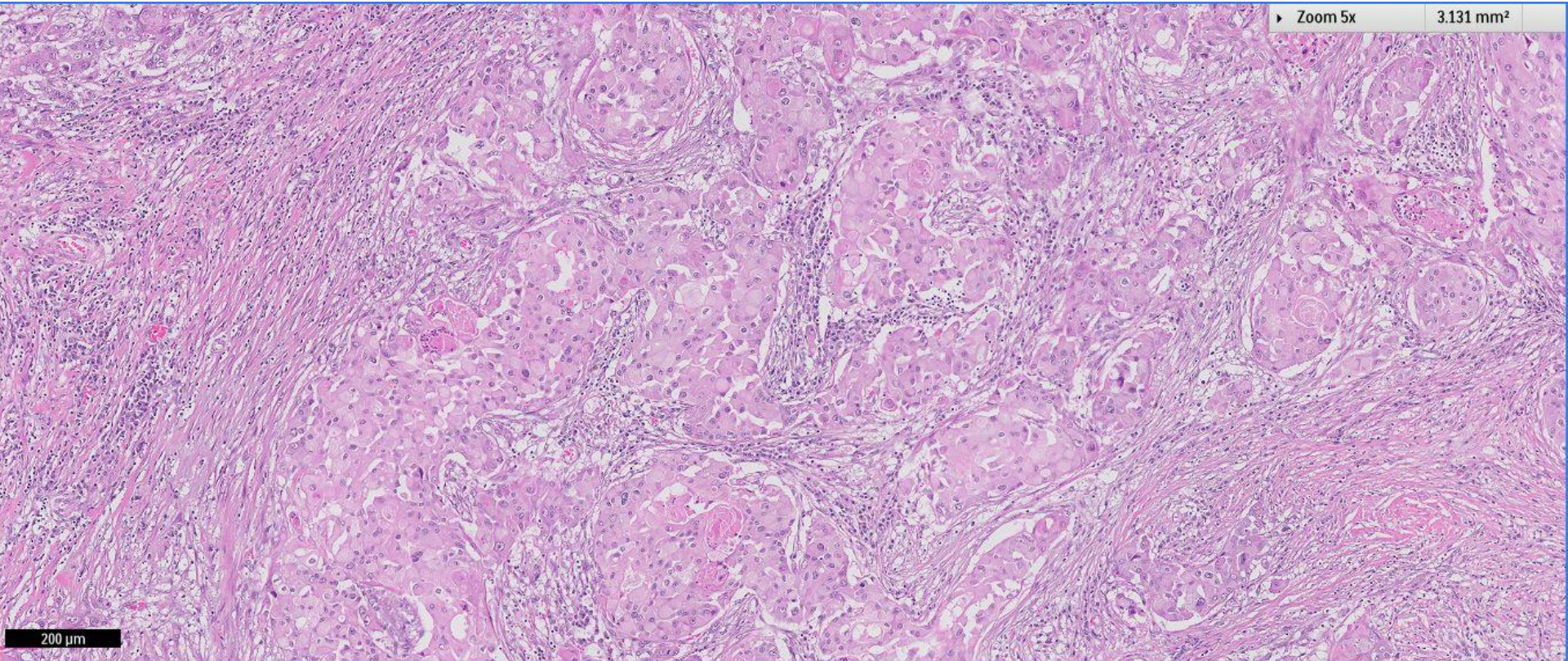
3.131 mm²



200 μm

▶ Zoom 5x

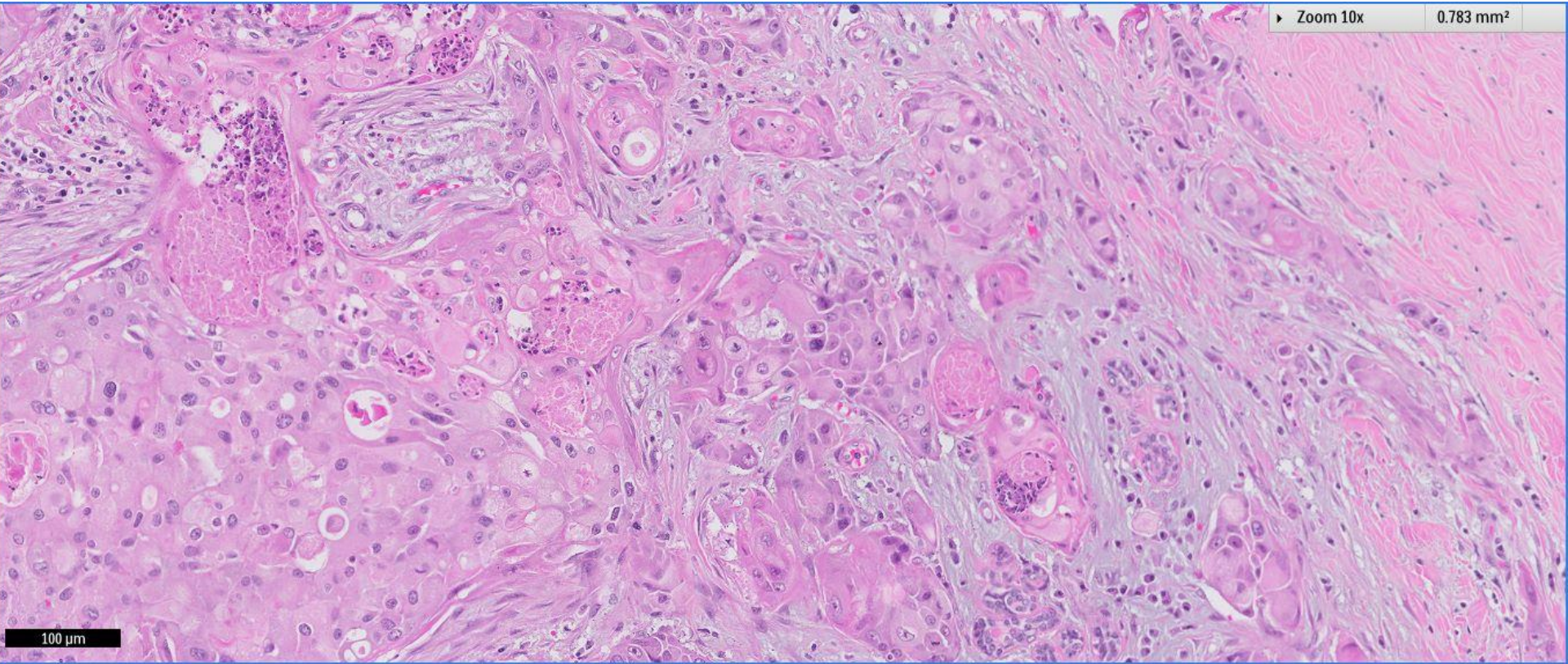
3.131 mm²



200 μm

Zoom 10x

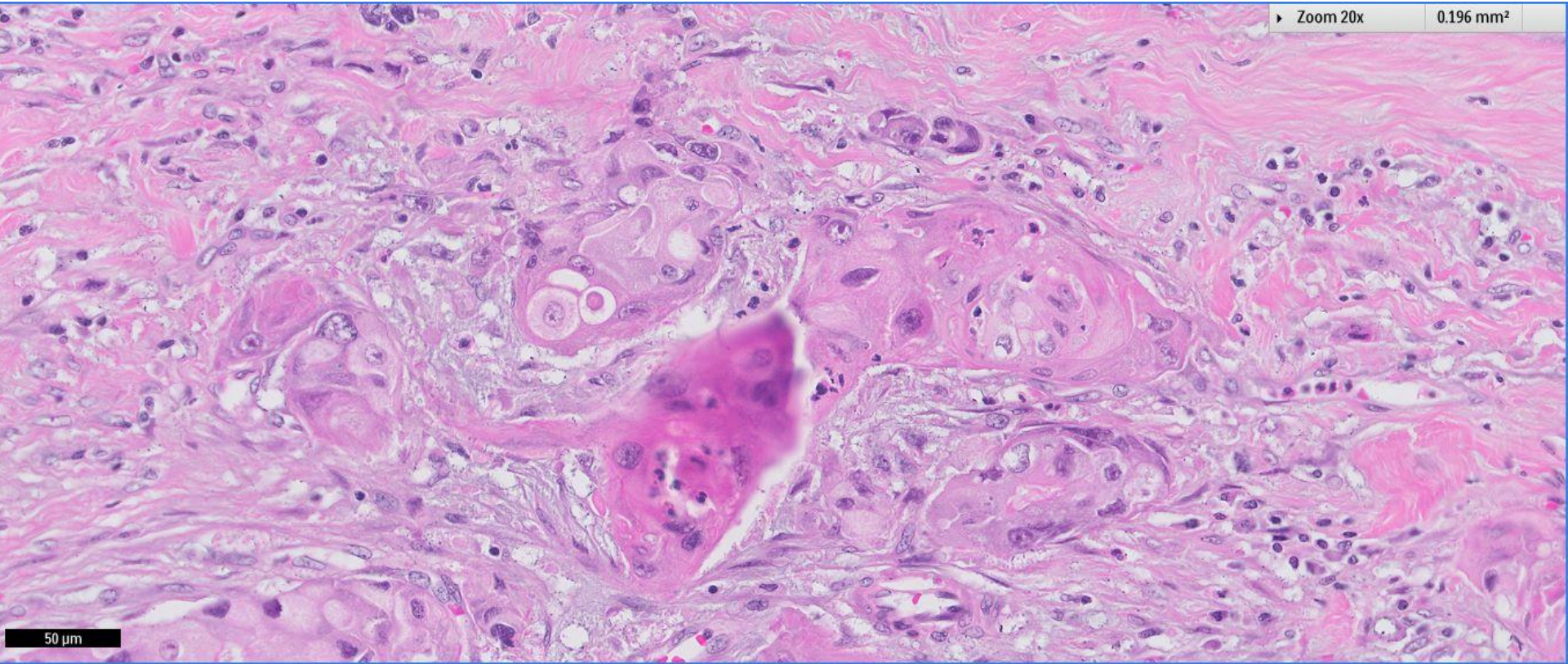
0.783 mm²



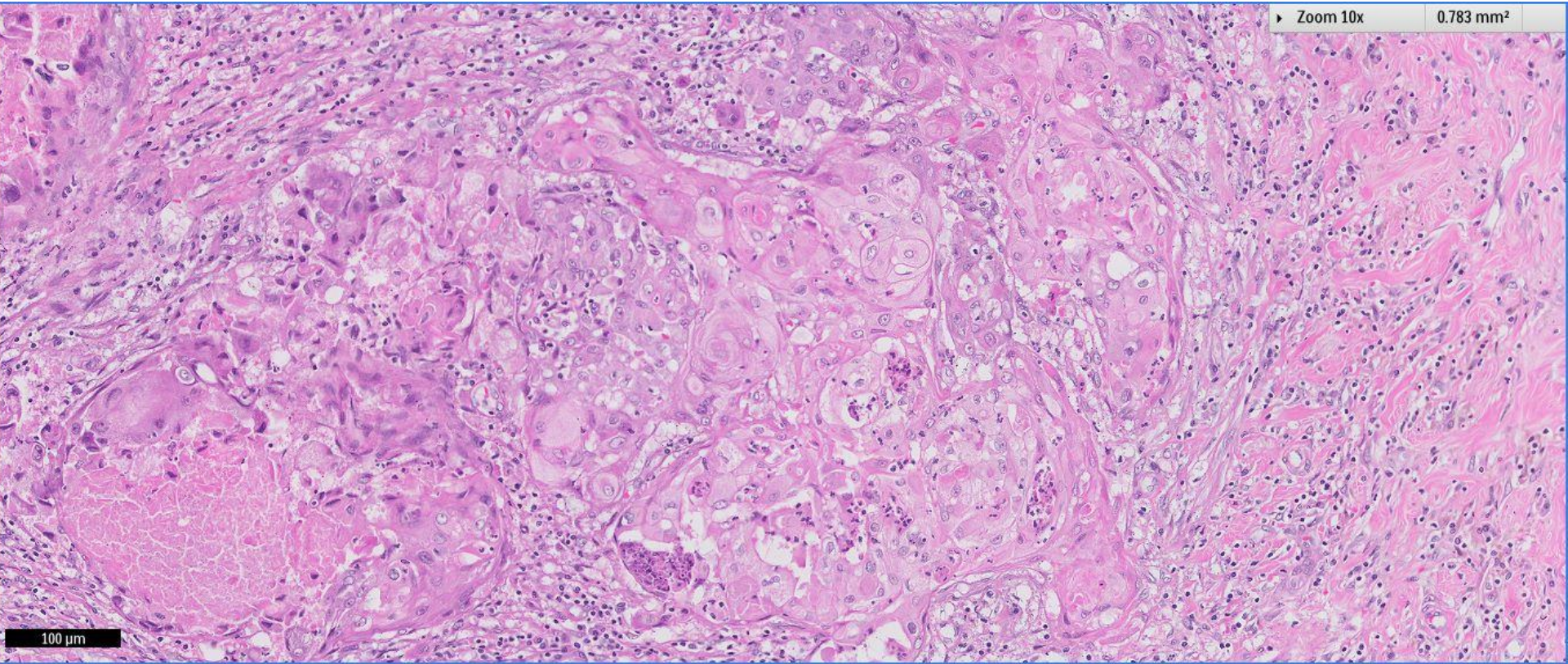
100 μm

Zoom 20x

0.196 mm²



50 μm



Zoom 10x 0.783 mm²

100 μm

Left breast, mastectomy:

*Invasive ductal carcinoma with
squamous metaplasia
(metaplastic carcinoma)*



Metaplastic carcinoma with squamous features

- Usually presents as a cystic lesion, where the cavity is lined by squamous cells with varying degrees of nuclear atypia and pleomorphism.
- Tumour cells infiltrate adjacent stroma in the form of sheets, cords and nests, which elicit a conspicuous stromal reaction.
- Inflammatory infiltrate is usually prominent.
- Infiltrating squamous elements may vary in degrees of squamous differentiation, with spindle cells commonly observed at the invasive fronts of the tumour.



Metaplastic carcinoma with squamous features

- Acantholytic variant of squamous cell carcinoma, characterized by the formation of irregular spaces lined by atypical squamous cells leading to a pseudoglandular or pseudoangiosarcomatous appearance, may be mistaken for angiosarcoma.
- Metaplastic squamous cell carcinoma may be pure or mixed with coexisting invasive carcinoma NST.
- Squamous differentiation can also be found in carcinomas with medullary-like features.
- For a diagnosis of primary squamous cell carcinoma of the breast to be rendered, a primary squamous cell carcinoma from other sites, especially skin, must be ruled out.



 Breast
Pathology
Course 2014

