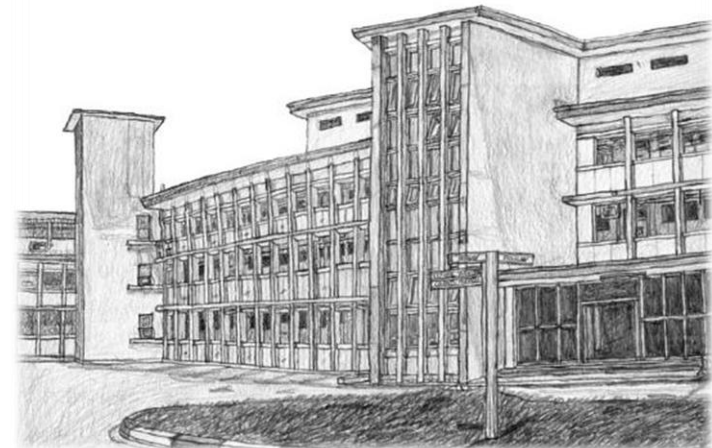


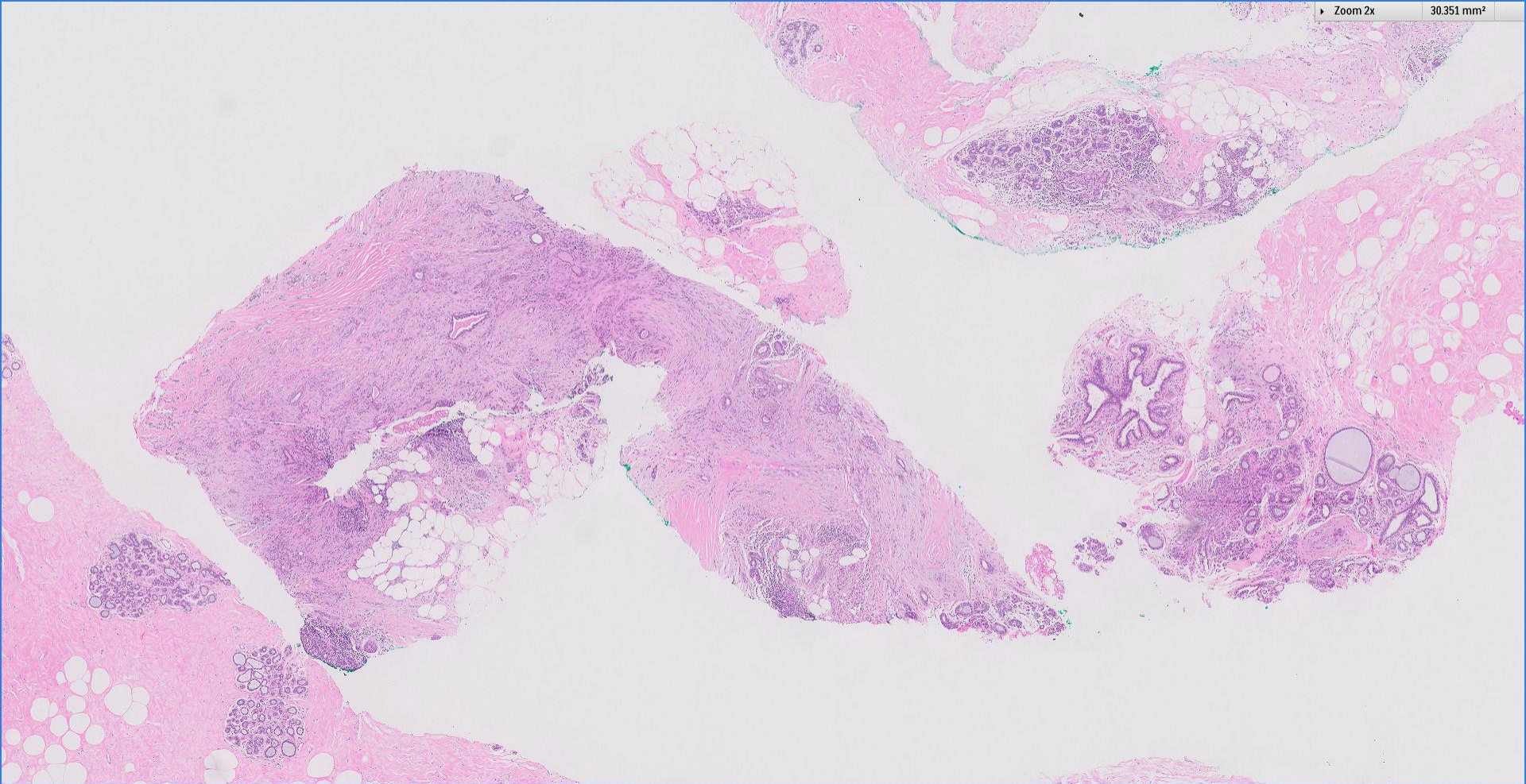
Case 31

41 year old female.

Right breast 11 o'clock lesion. Ultrasound guided VAB (A), followed by hookwire localization excision (B).

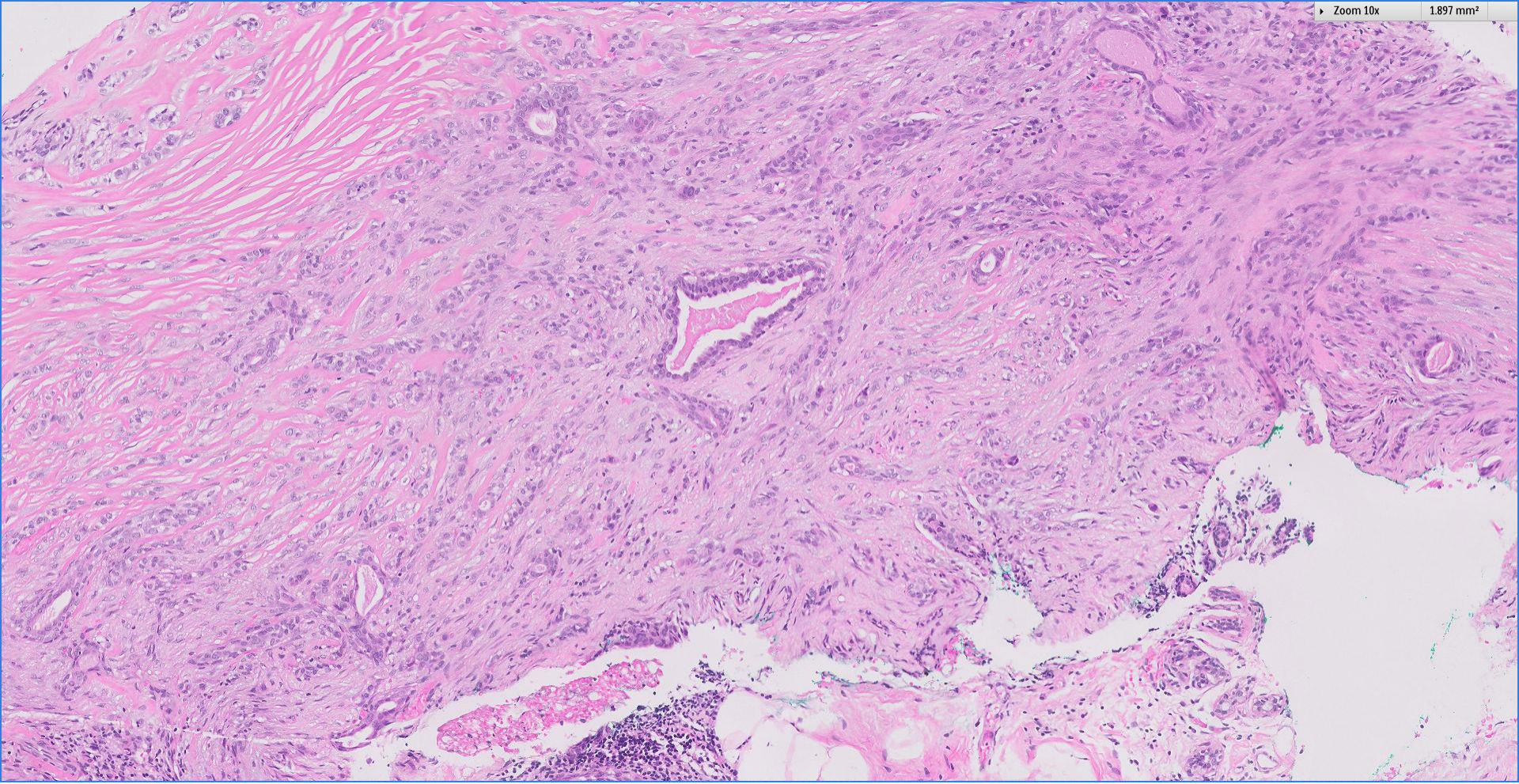


Ultrasound guided VAB (A)



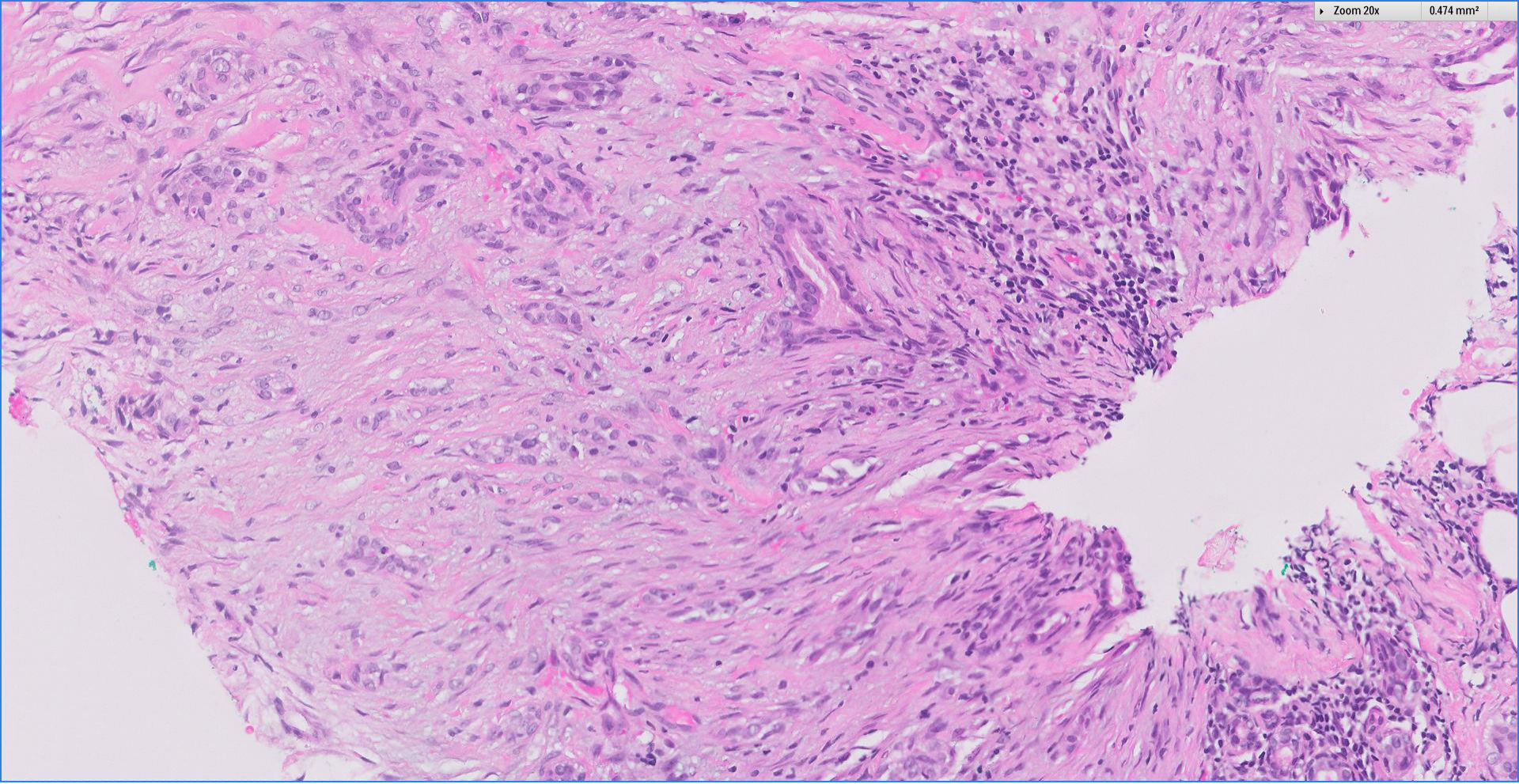
Zoom 10x

1.897 mm²

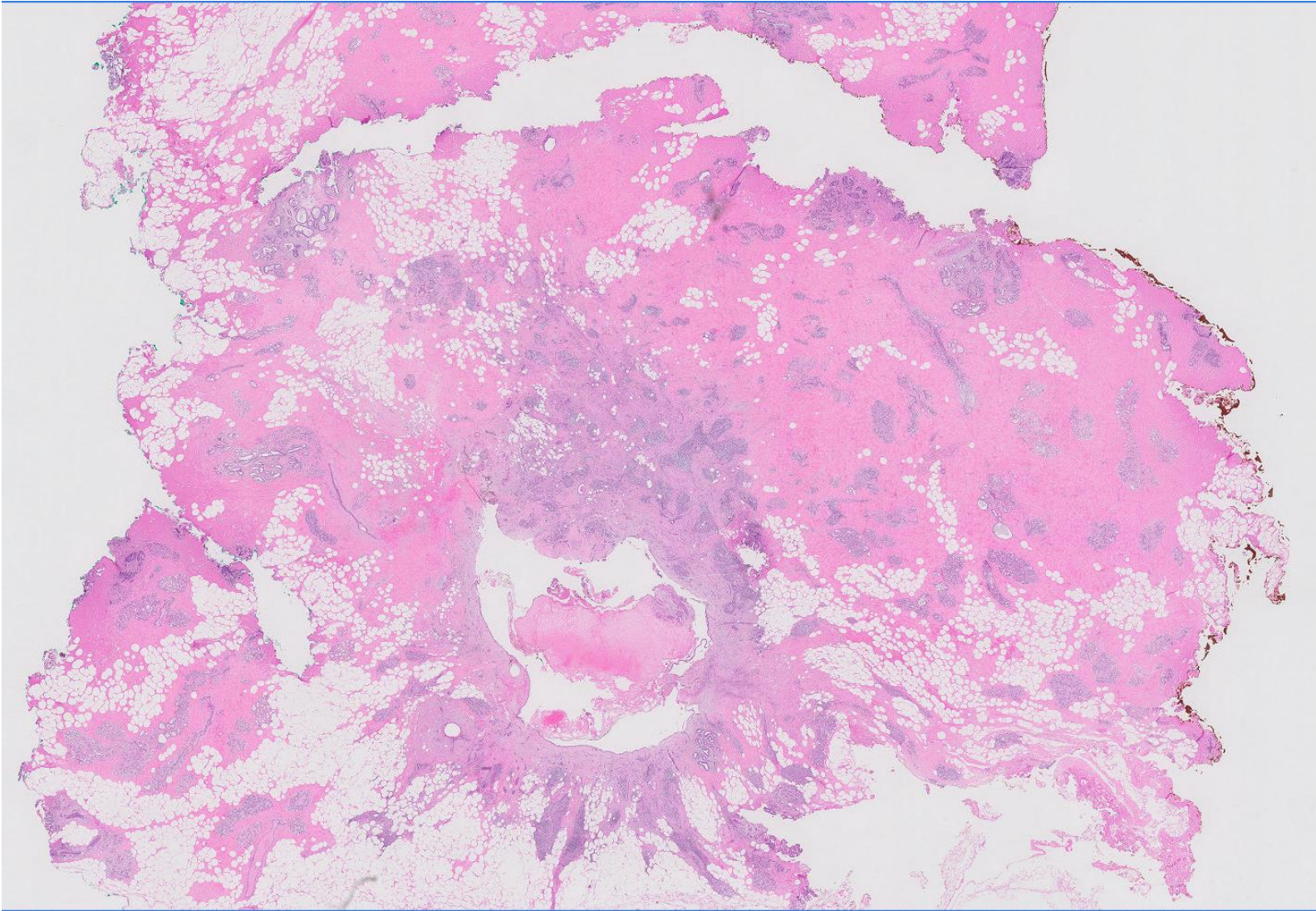


Zoom 20x

0.474 mm²

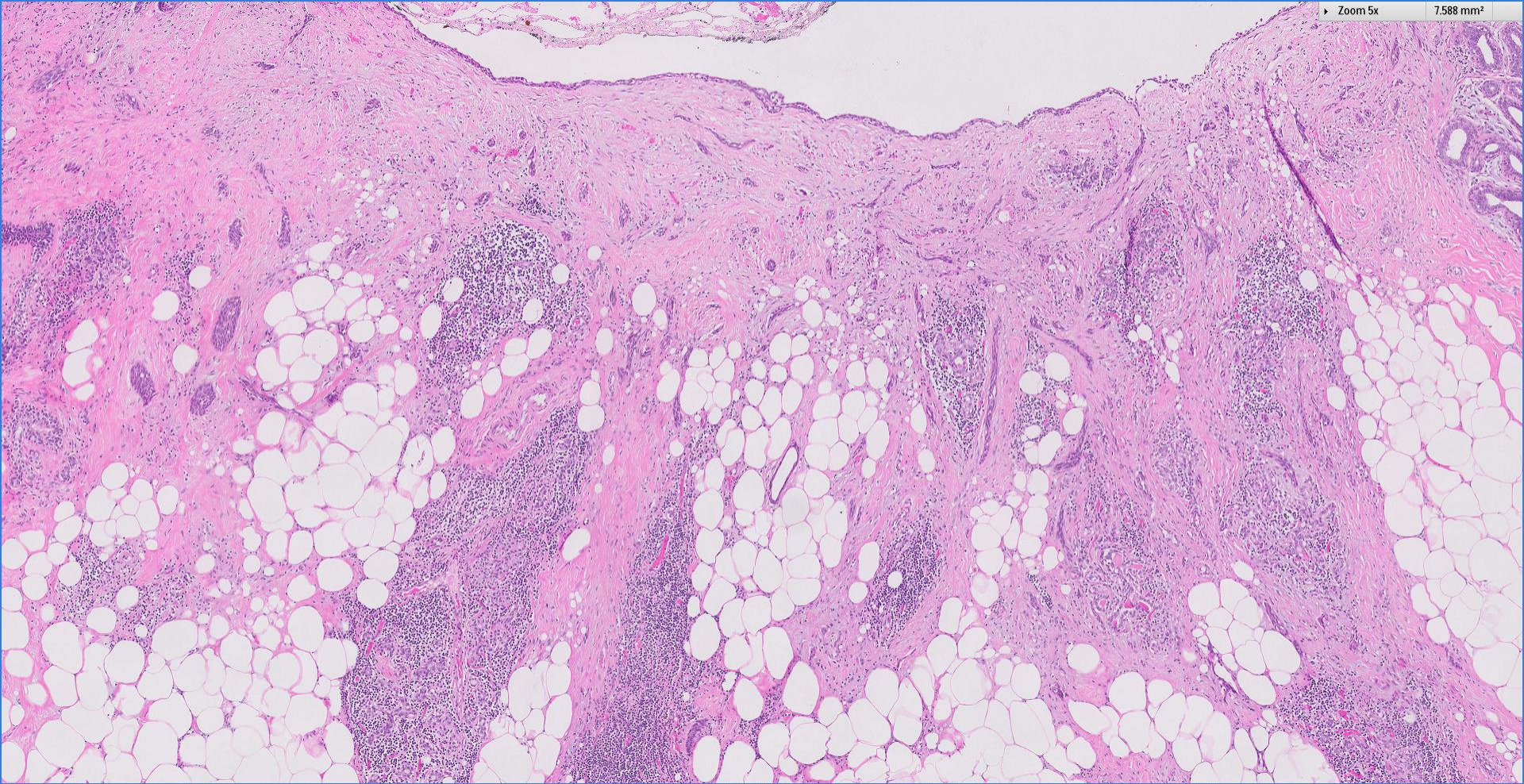


Hookwire localization excision (B)



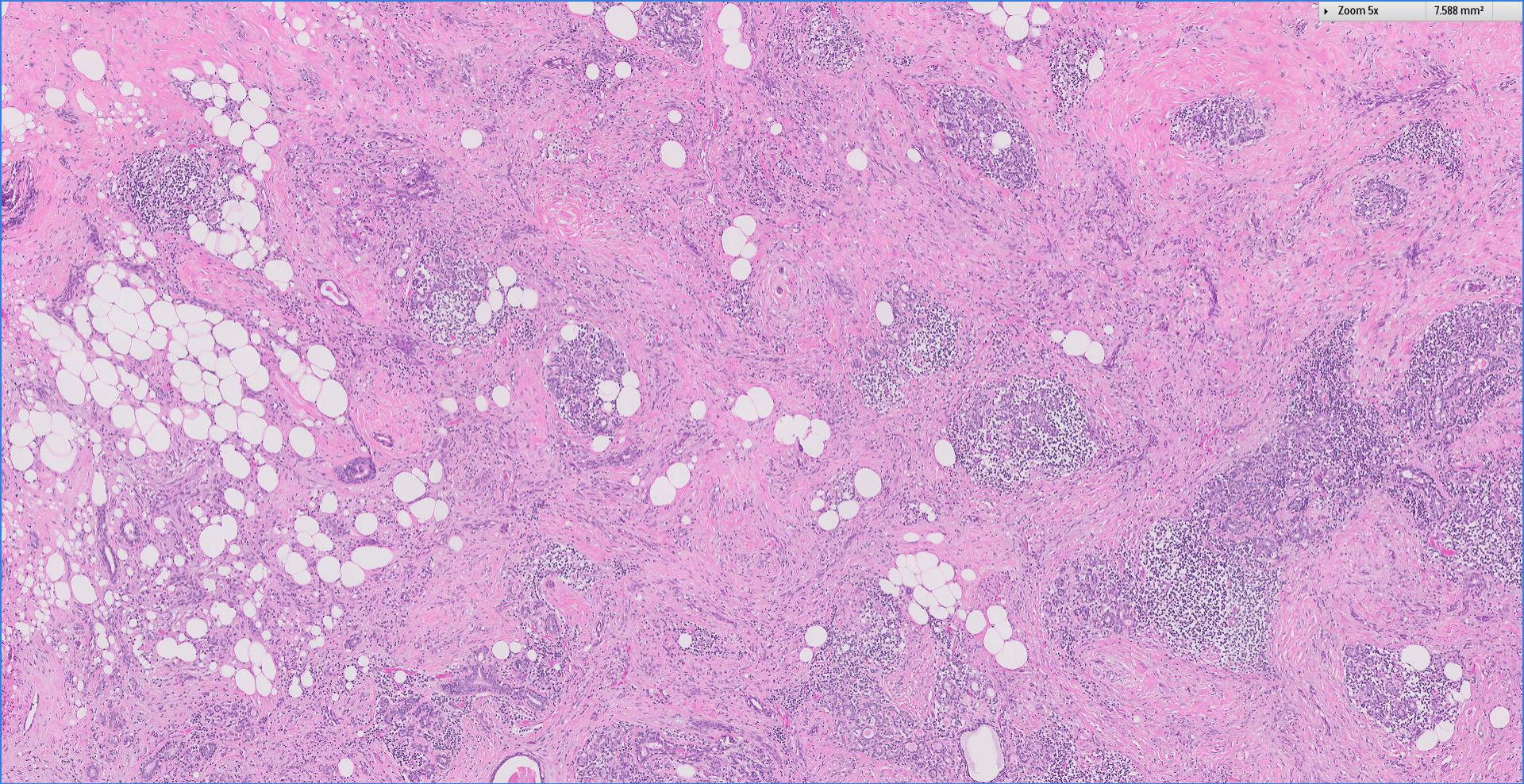
Zoom 5x

7.588 mm²



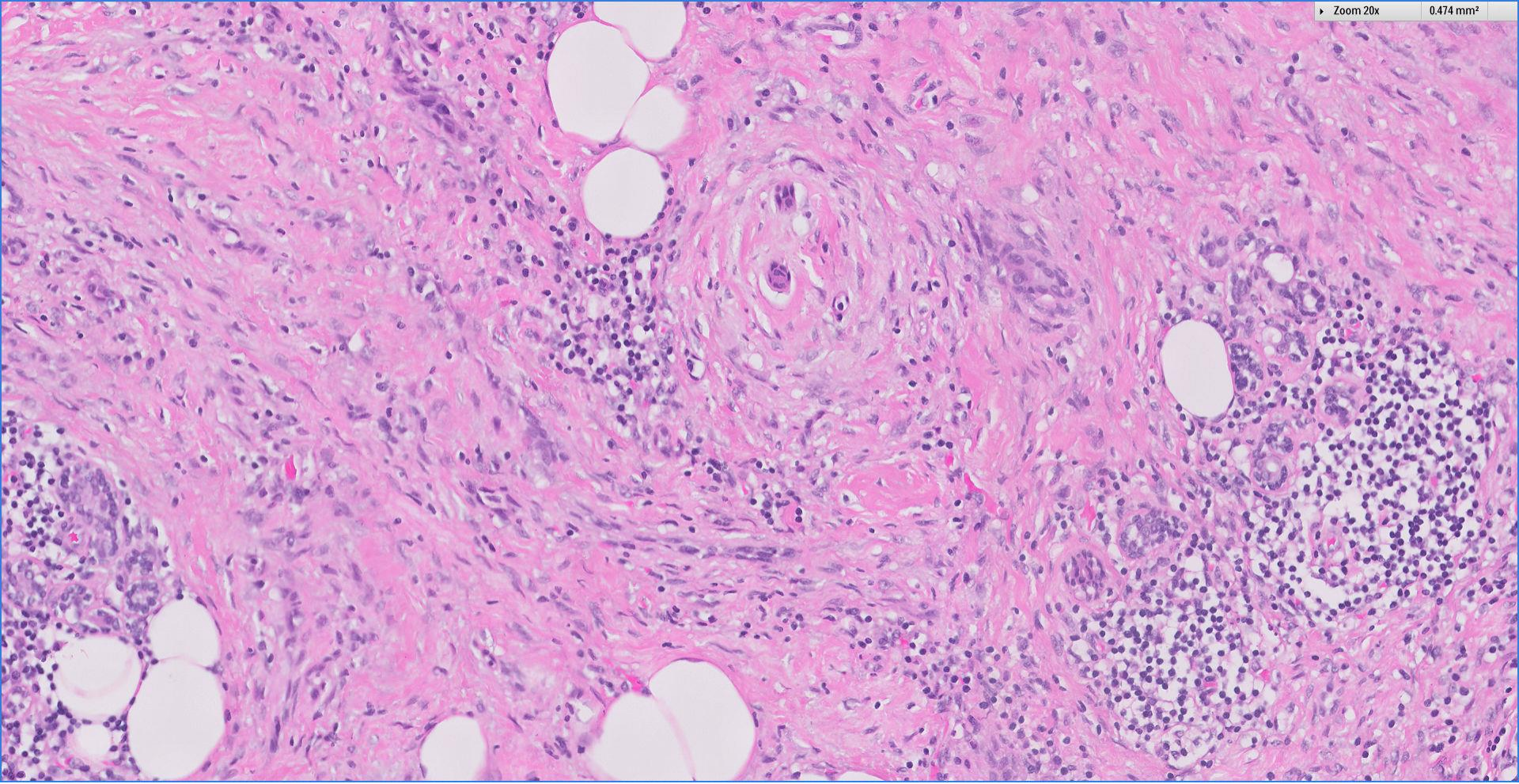
Zoom 5x

7.588 mm²



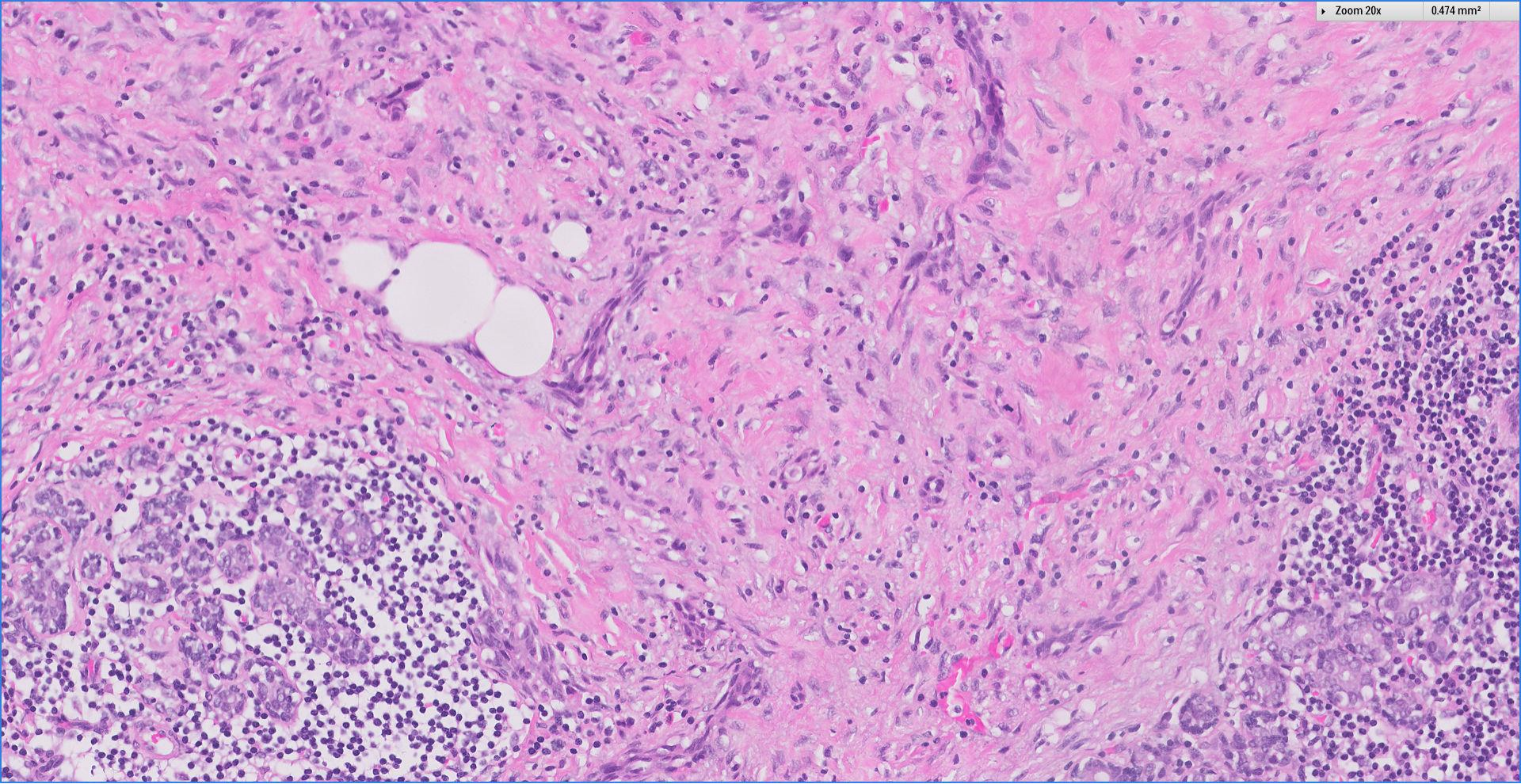
Zoom 20x

0.474 mm²



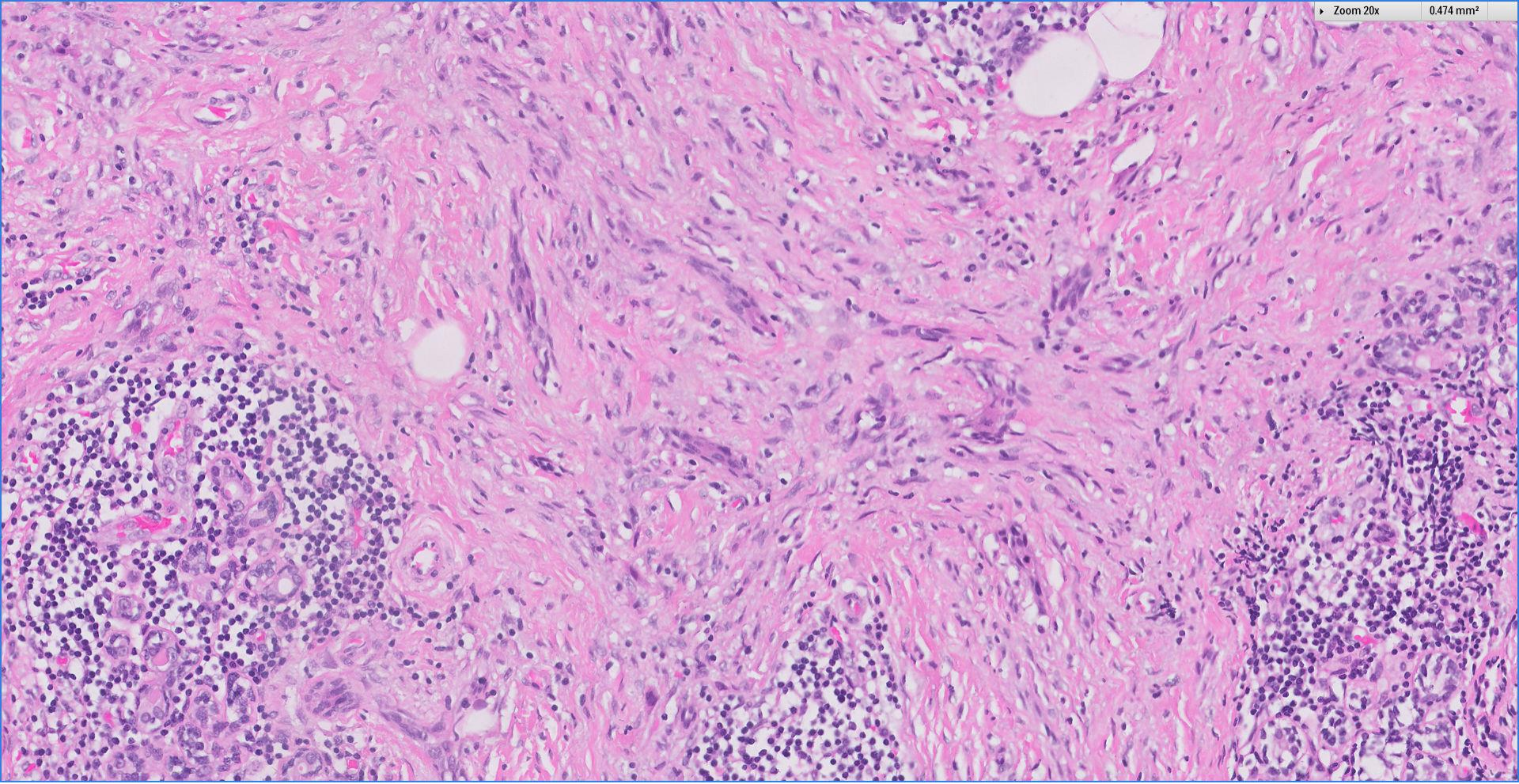
Zoom 20x

0.474 mm²



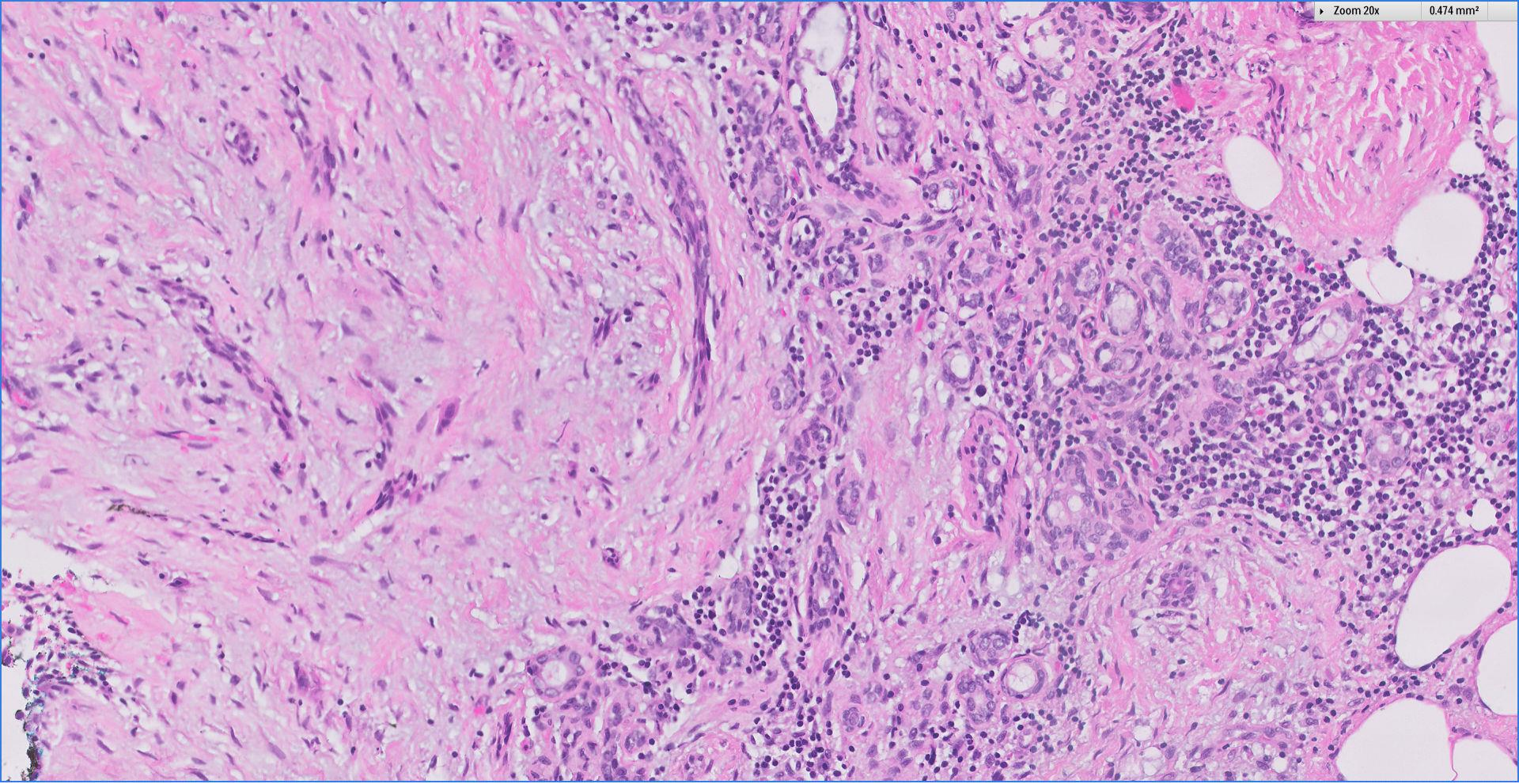
Zoom 20x

0.474 mm²

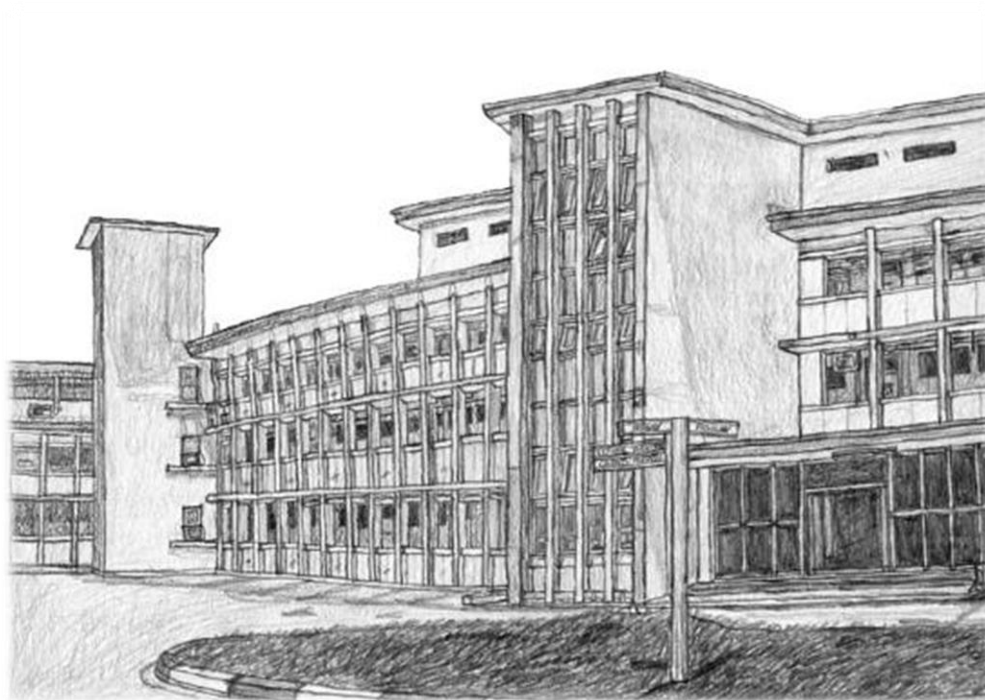


Zoom 20x

0.474 mm²



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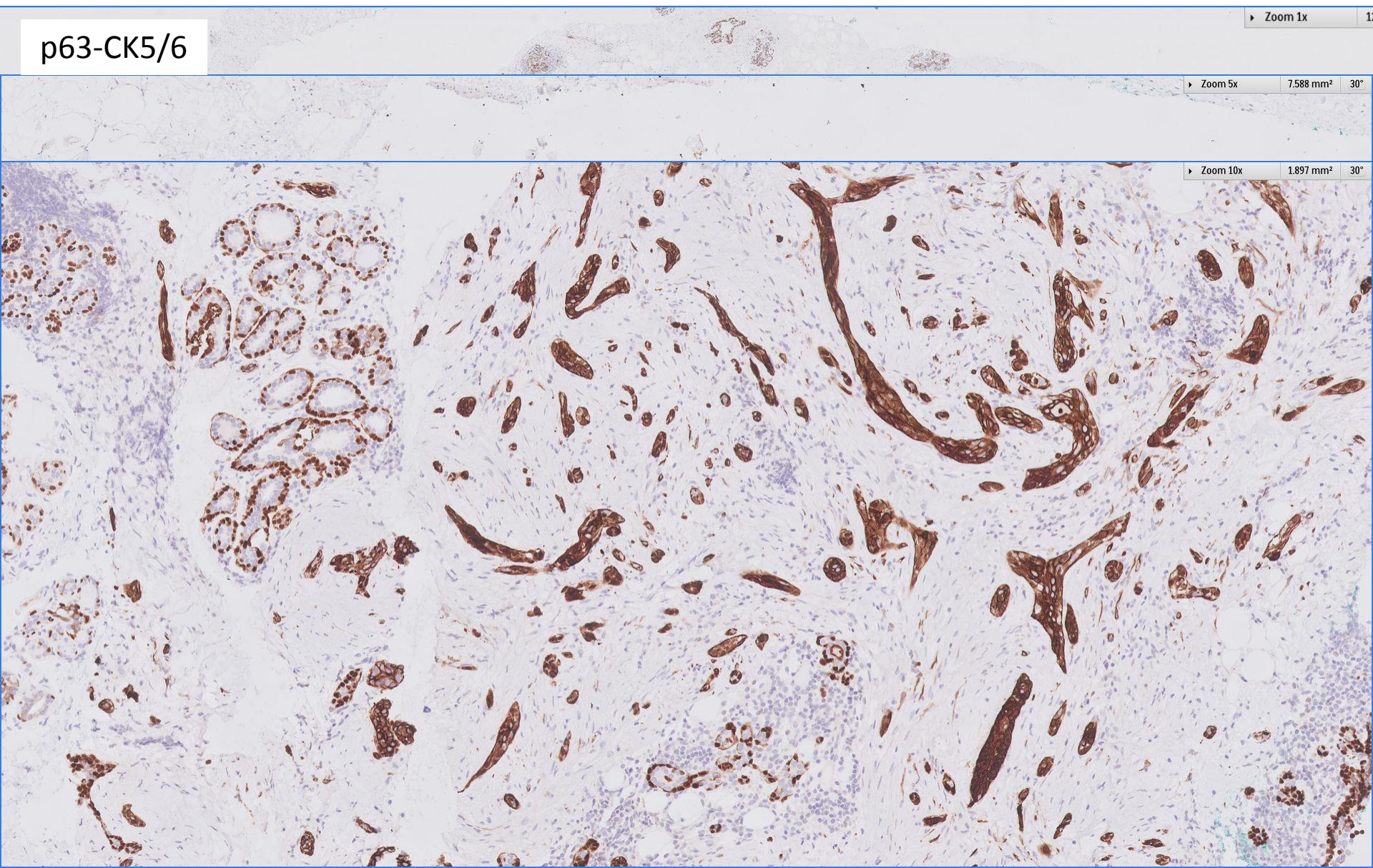


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Immunohistochemistry on core biopsy

p63-CK5/6

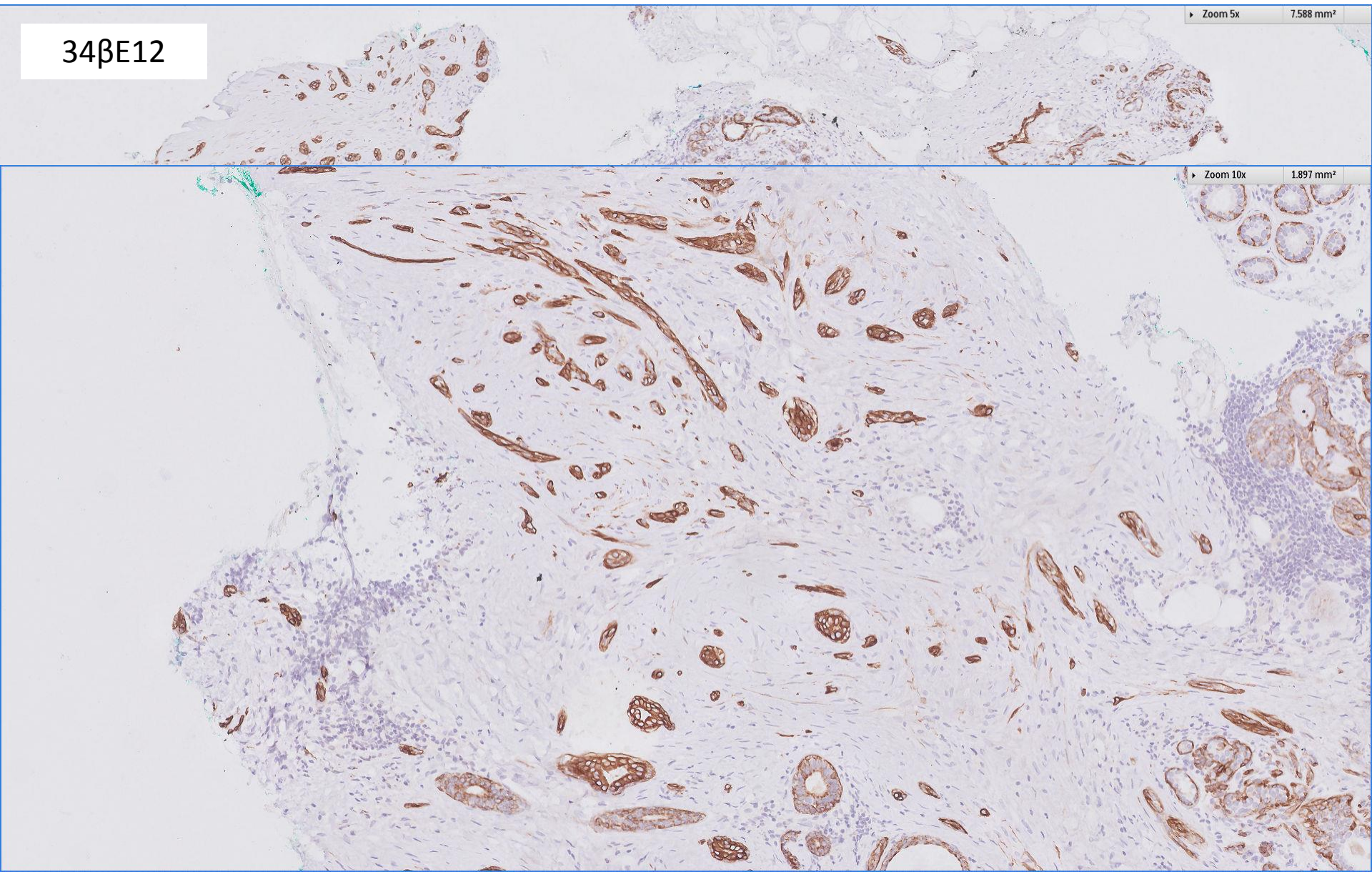


Immunohistochemistry on core biopsy

34βE12

Zoom 5x 7.588 mm²

Zoom 10x 1.897 mm²

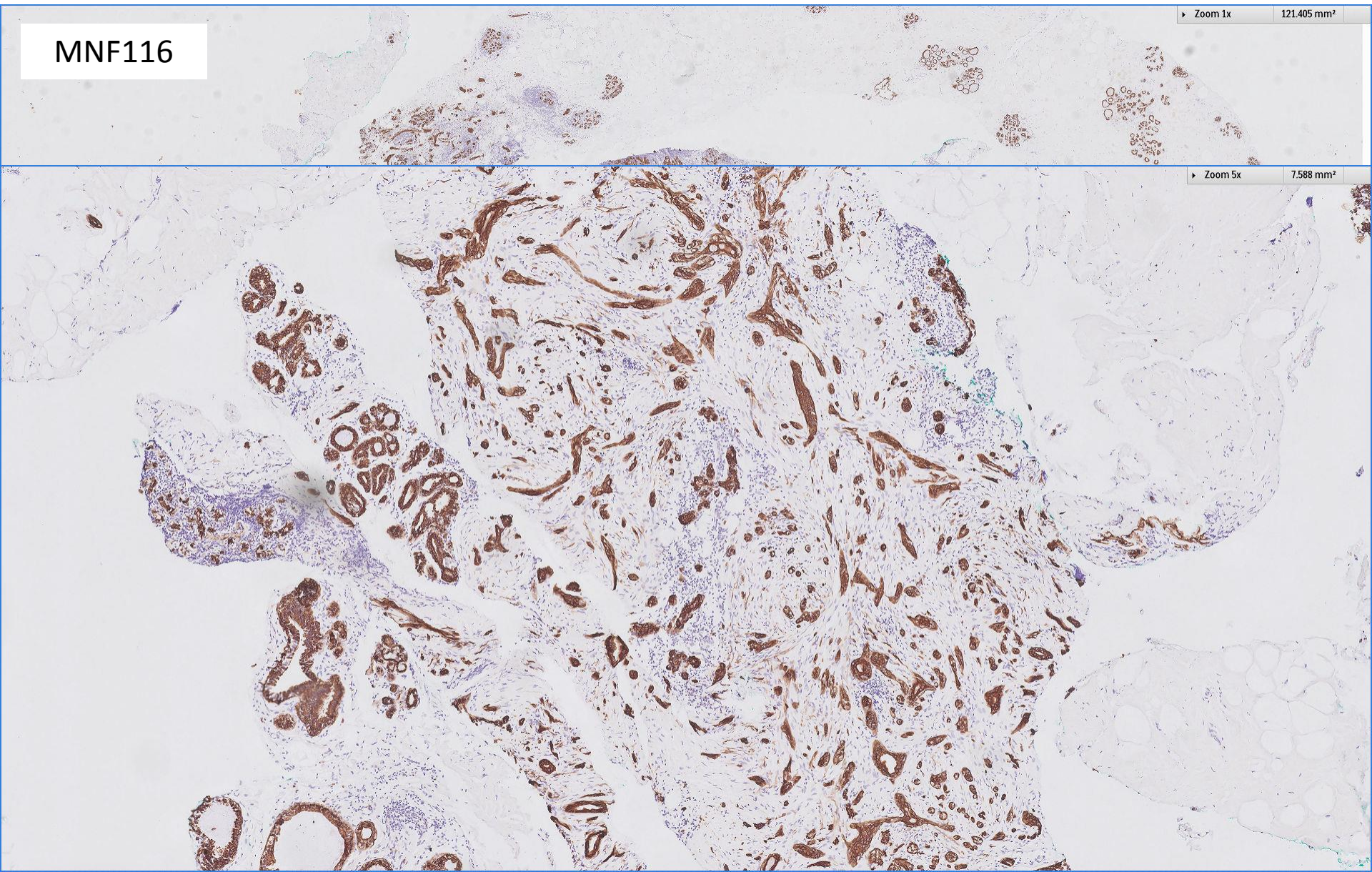


Immunohistochemistry on core biopsy

MNF116

Zoom 1x 121.405 mm²

Zoom 5x 7.588 mm²



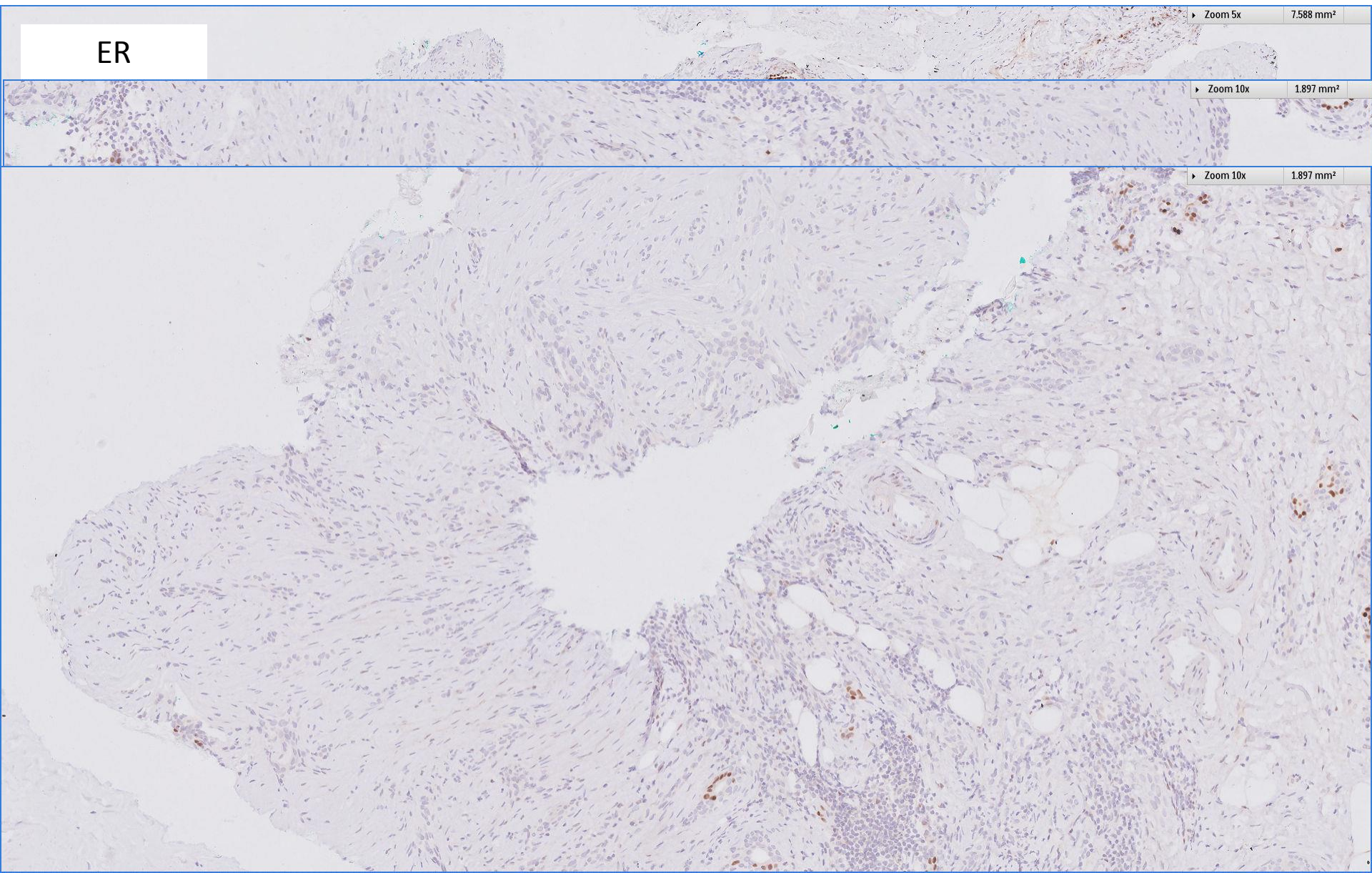
Immunohistochemistry on core biopsy

ER

Zoom 5x 7.588 mm²

Zoom 10x 1.897 mm²

Zoom 10x 1.897 mm²

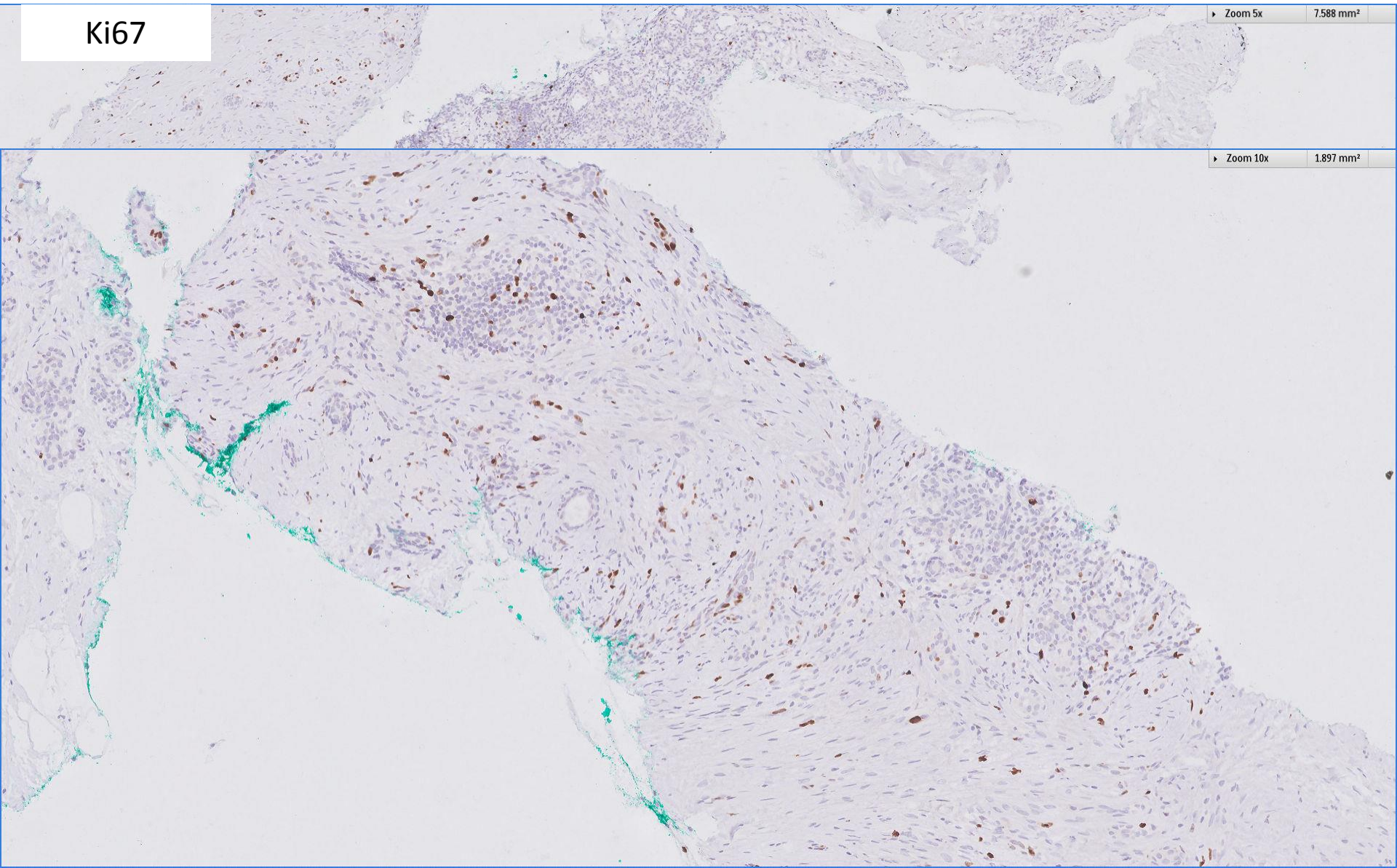


Immunohistochemistry on core biopsy

Ki67

Zoom 5x 7.588 mm²

Zoom 10x 1.897 mm²



Diagnosis

Right breast 11 o'clock lesion:

Ultrasound guided VAB (A) ~

*Atypical sclerosing lesion, need to rule out a low-grade
adenosquamous carcinoma.*

Hookwire localization excision (B) ~

Low grade adenosquamous carcinoma



Low grade adenosquamous carcinoma

- Composed of small, solid nests and irregular, angulated epithelial tubules associated with squamous differentiation.
- Squamous changes may be subtle, appearing as squamous whorls formed by polygonal cells with hardened eosinophilic cytoplasm, or may appear as more obvious squamous islands with keratinisation.
- Epithelial islands permeate the stroma between breast lobules and may merge with abnormal spindle cells.
- A lymphocytic infiltrate is often found at the tumour periphery.

Low grade adenosquamous carcinoma

- Immunohistochemistry shows positive reactivity of tumour cells for p63 and high molecular-weight keratins.
- Hormone receptors and c-erbB-2 are usually negative.
- Associated with radial sclerosing lesions, papilloma, and adenomyoepithelioma.



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Low grade adenosquamous carcinoma

- Diagnosis on core biopsy is exceptionally challenging.
- Differential diagnosis ~
 - Sclerosing adenosis
 - Radial sclerosing lesion
 - Invasive tubular carcinoma
- Important for awareness, in order not to overlook this lesion on core biopsy.
- Difficult to be definitive on limited core biopsy material, and prudent to defer to excision.

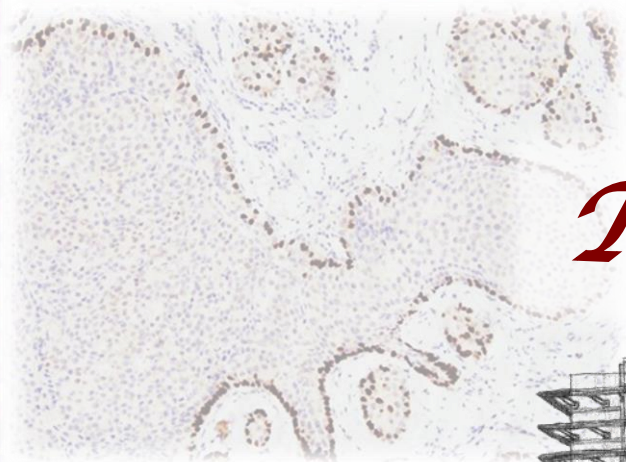
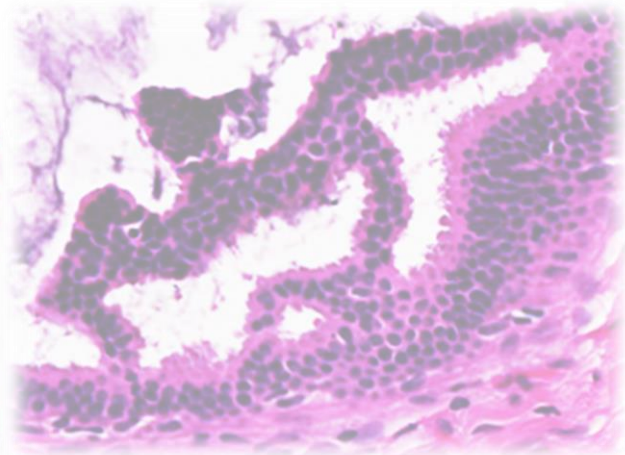
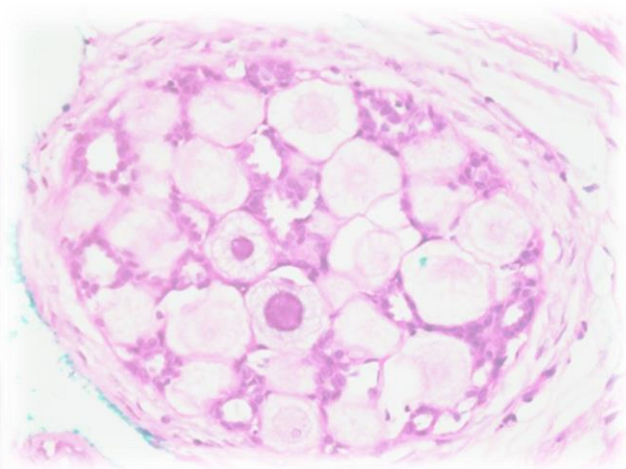
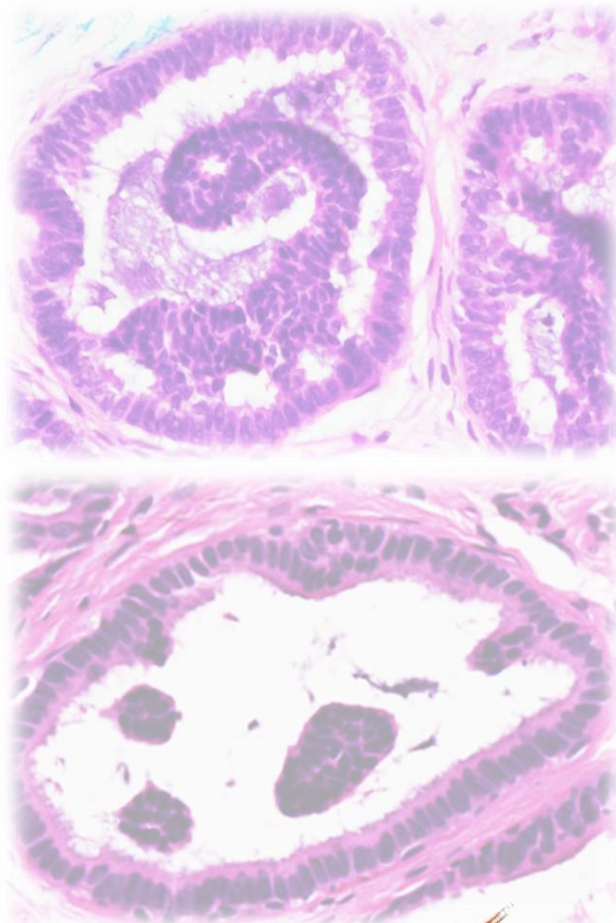


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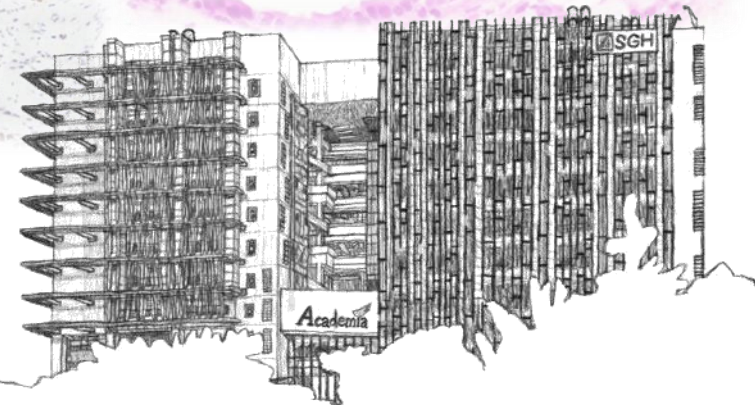


Thank you!

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09.05.2014

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