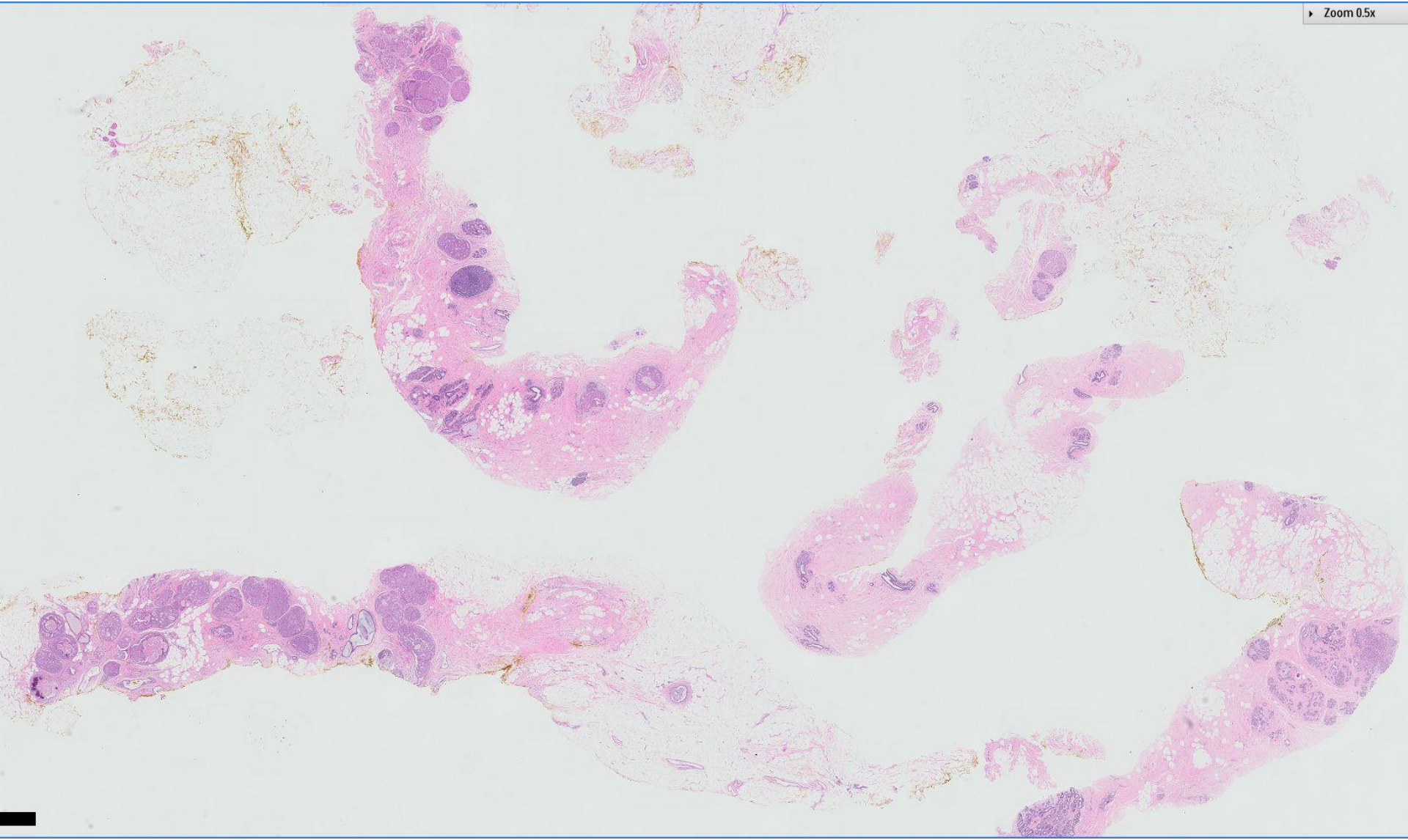


# Case 33

50 year old woman participated in the national breast screening program, and was found to have mammographic calcifications in the left breast.

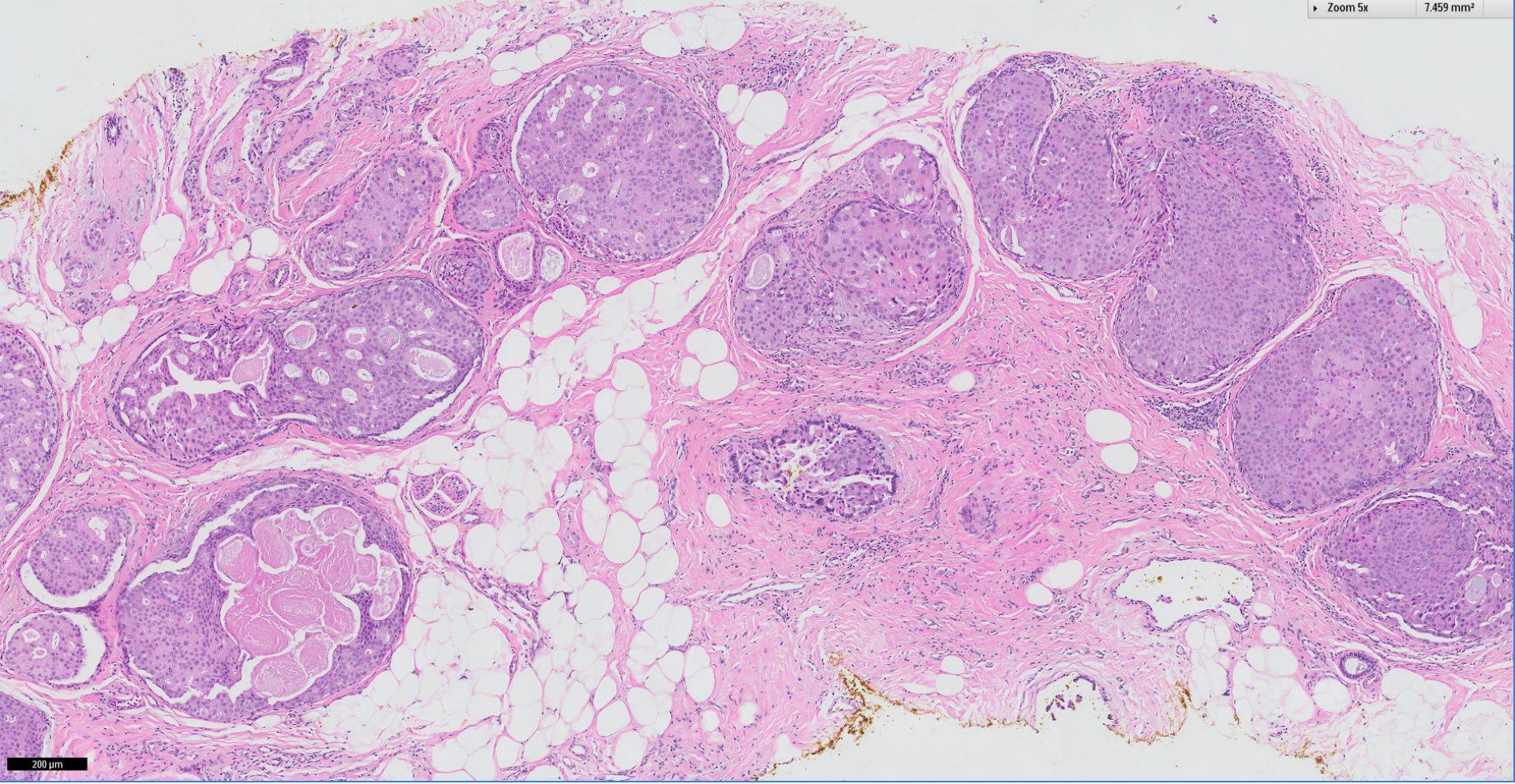
Stereotactic mammotome biopsies performed.



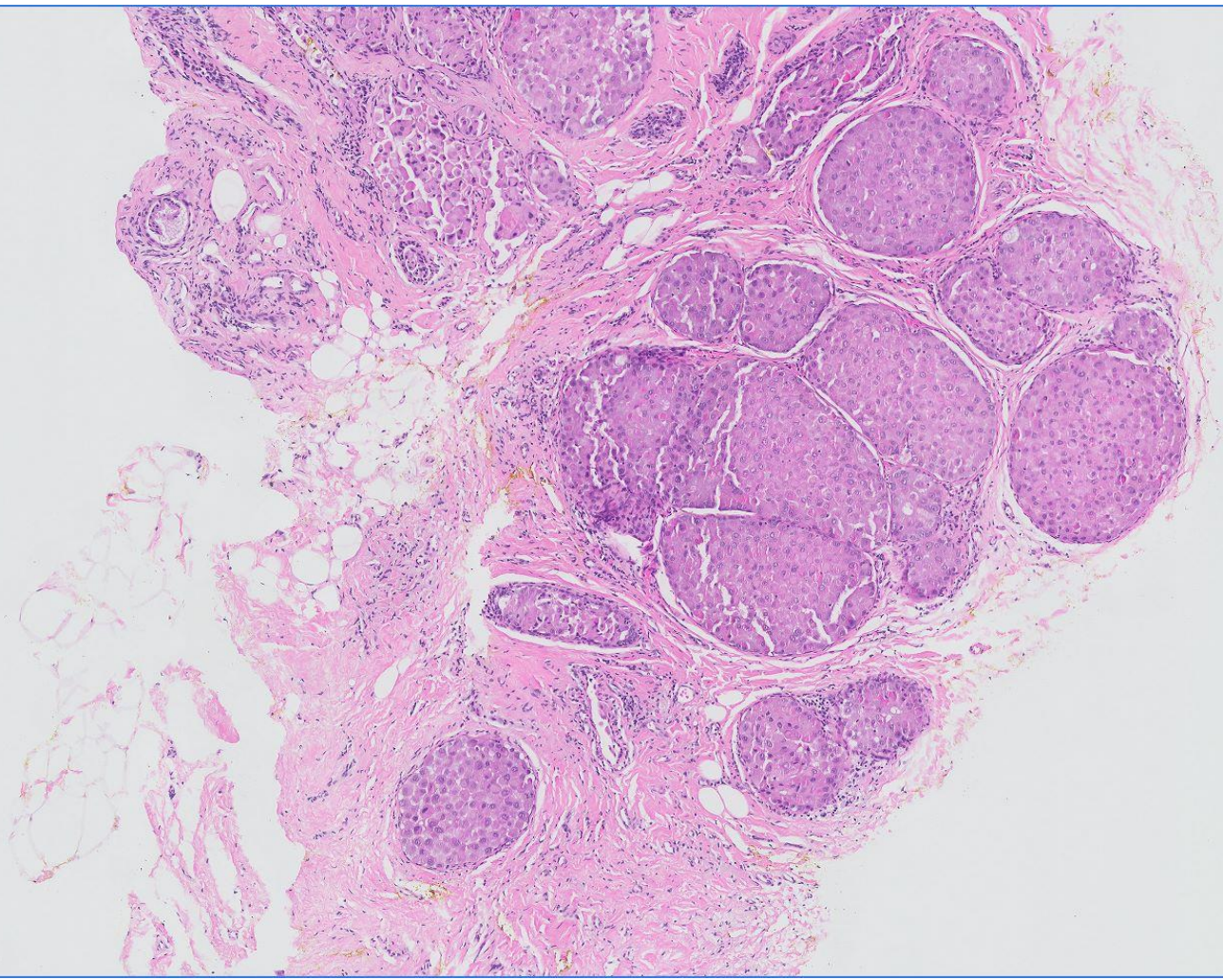


Zoom 5x

7.459 mm<sup>2</sup>

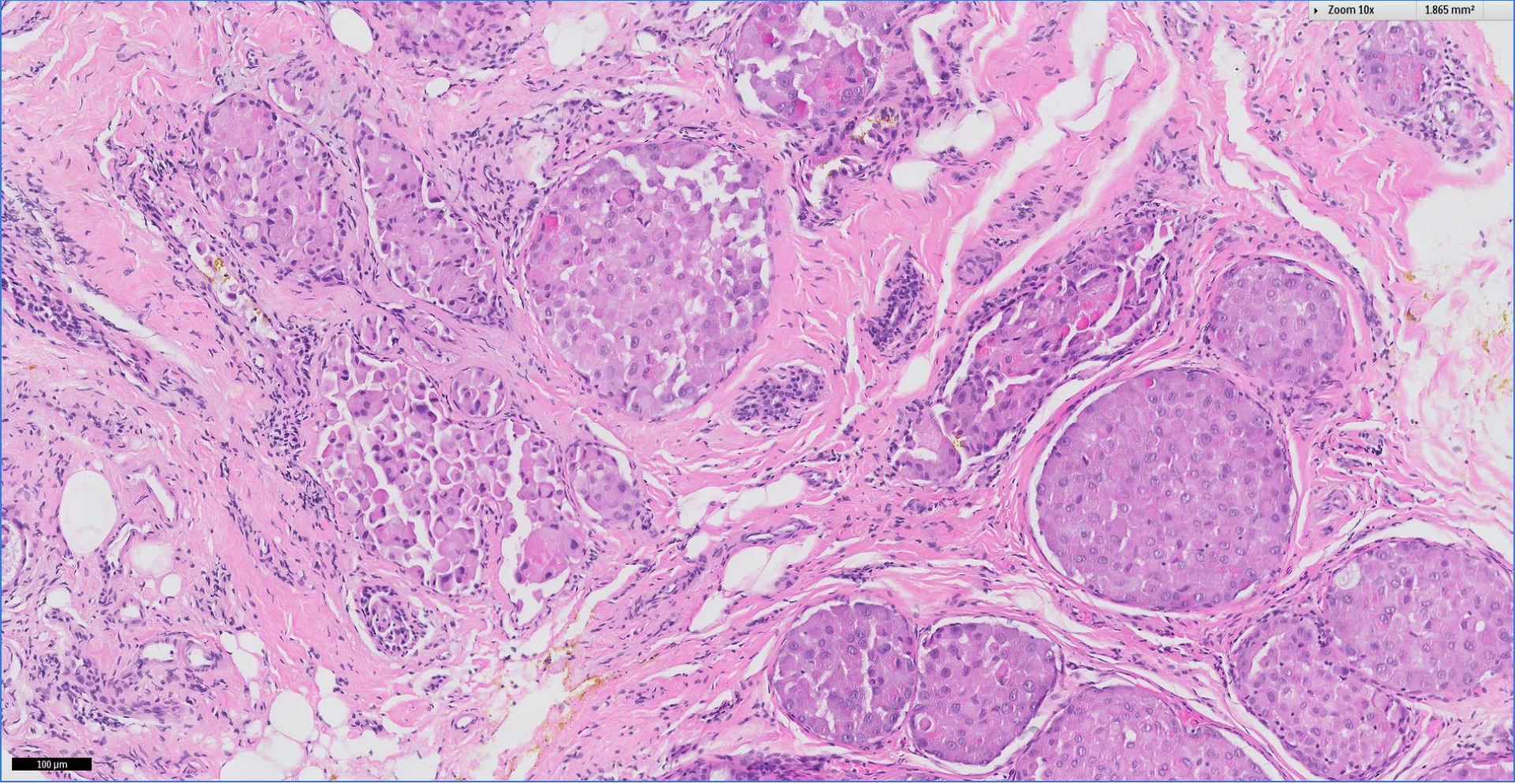


200 µm



Zoom 10x

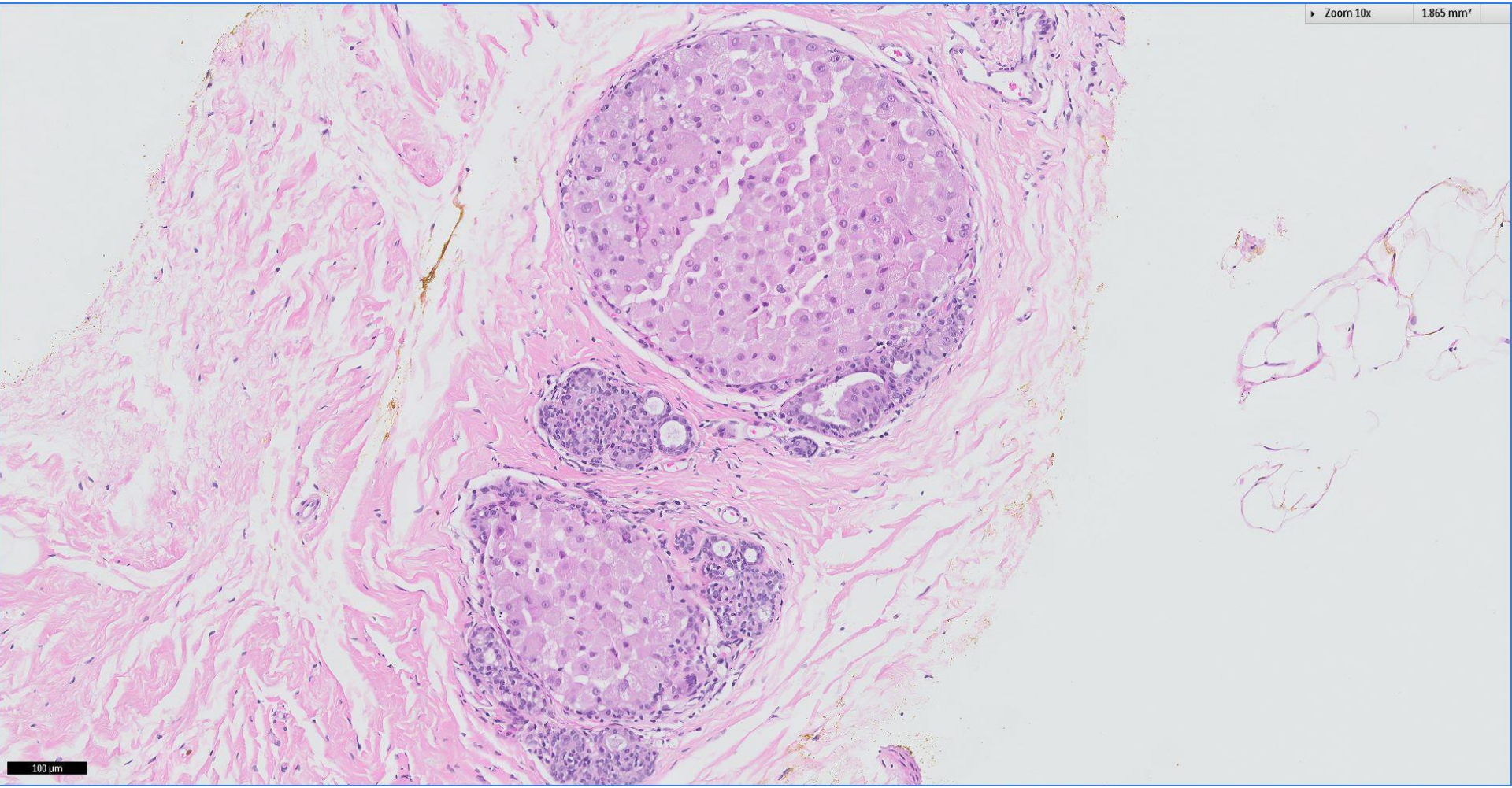
1.865 mm<sup>2</sup>



100  $\mu$ m

Zoom 10x

1.865 mm<sup>2</sup>

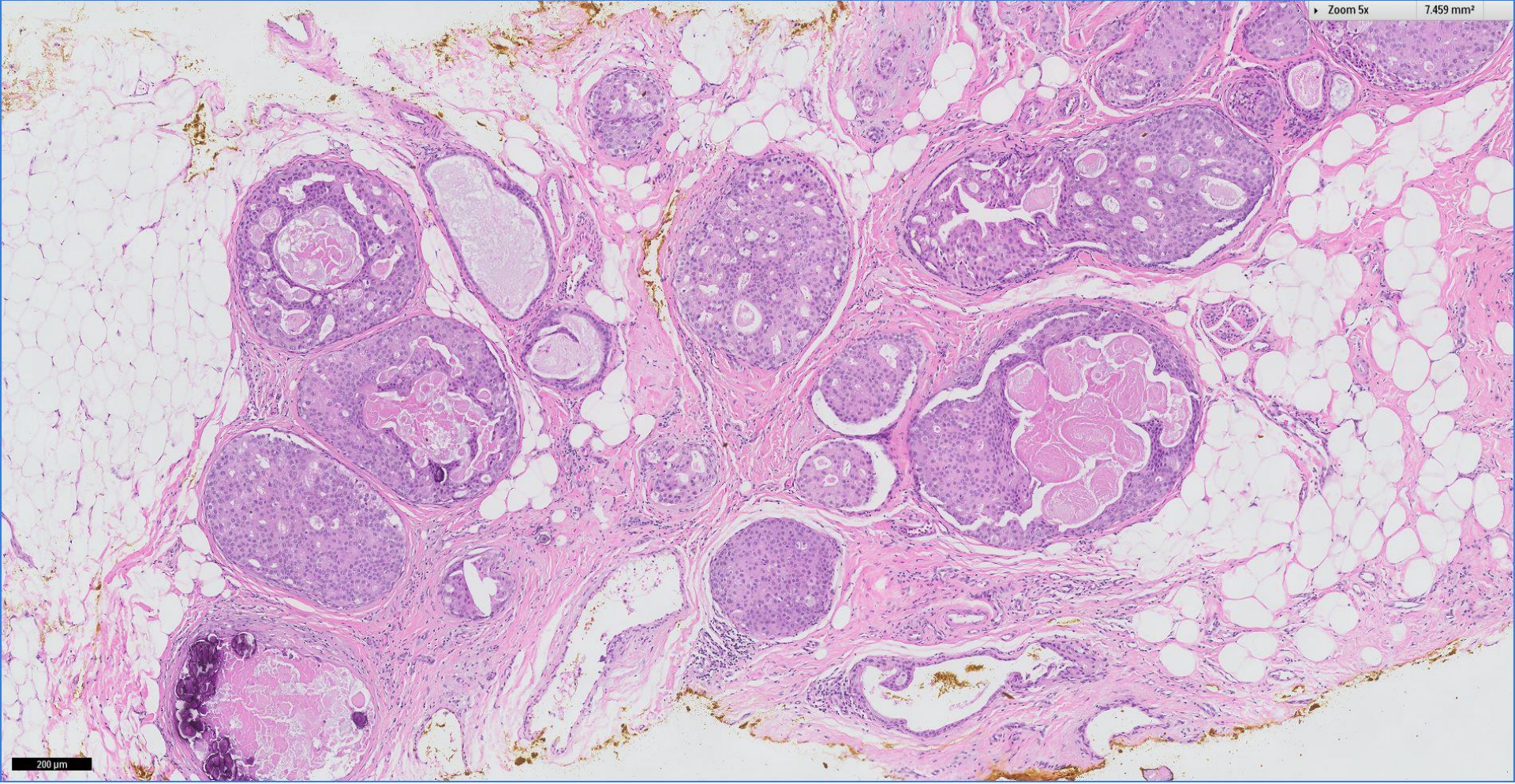


100  $\mu$ m



Zoom 5x

7.459 mm<sup>2</sup>

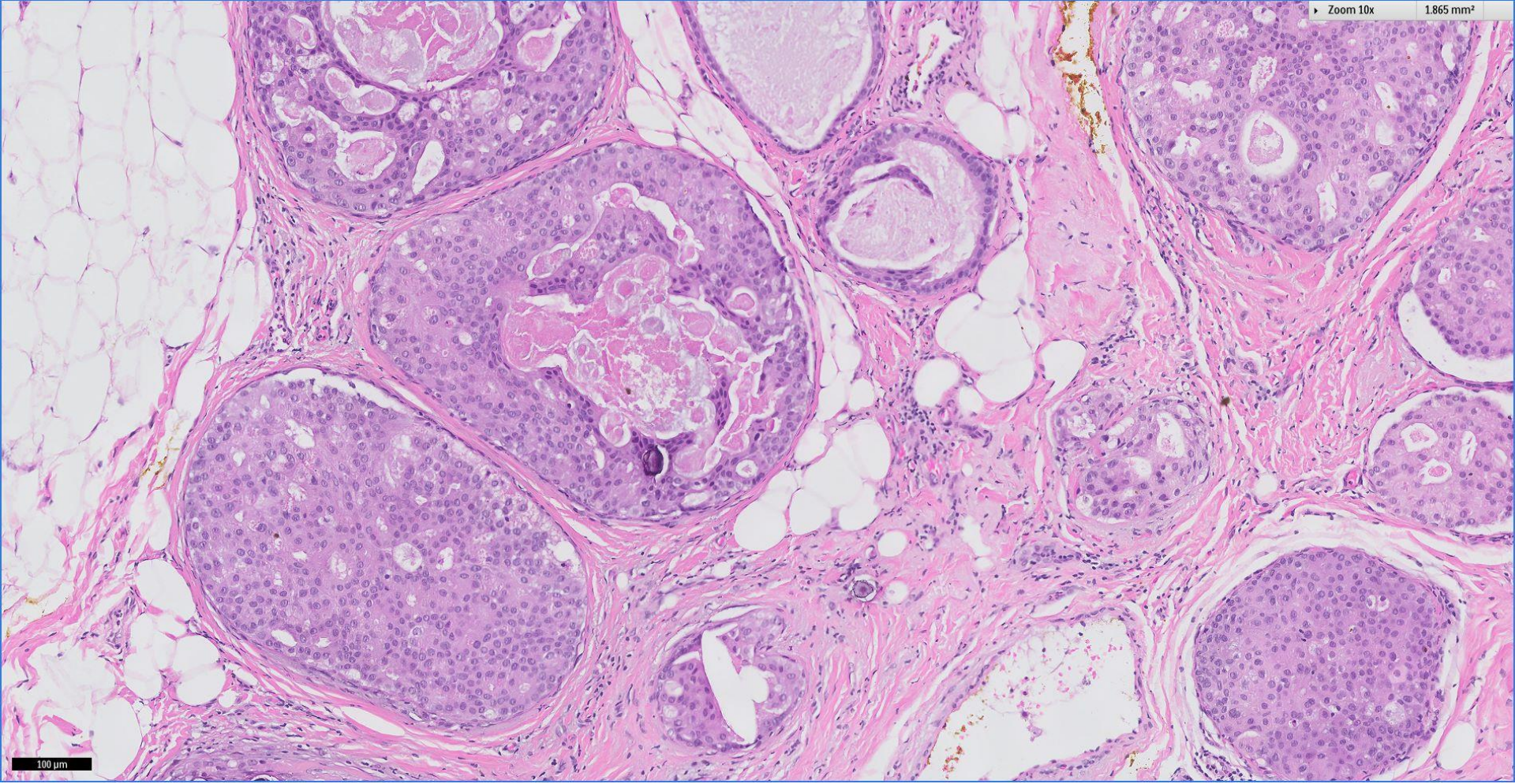


200  $\mu$ m



Zoom 10x

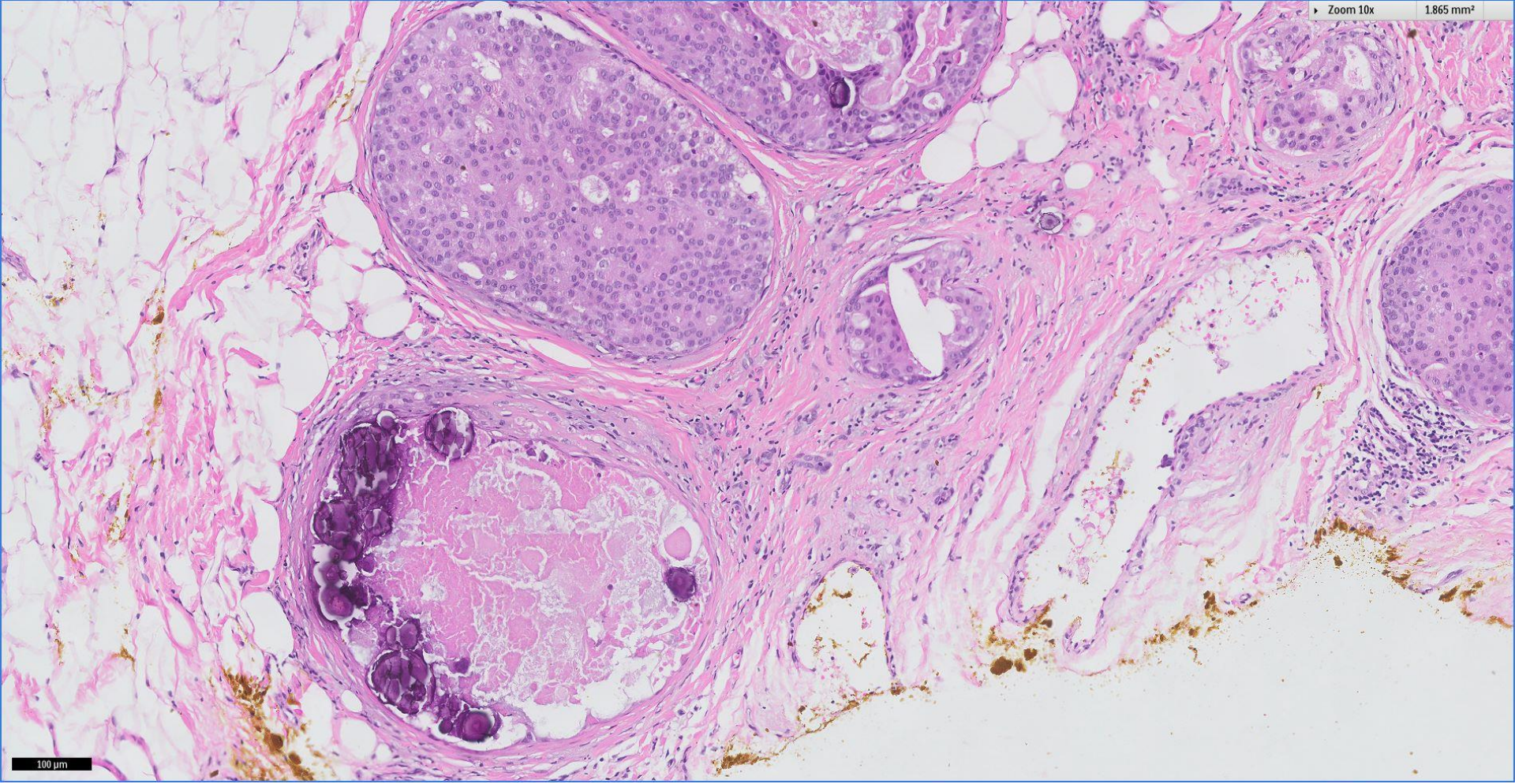
1.865 mm<sup>2</sup>



100  $\mu$ m

Zoom 10x

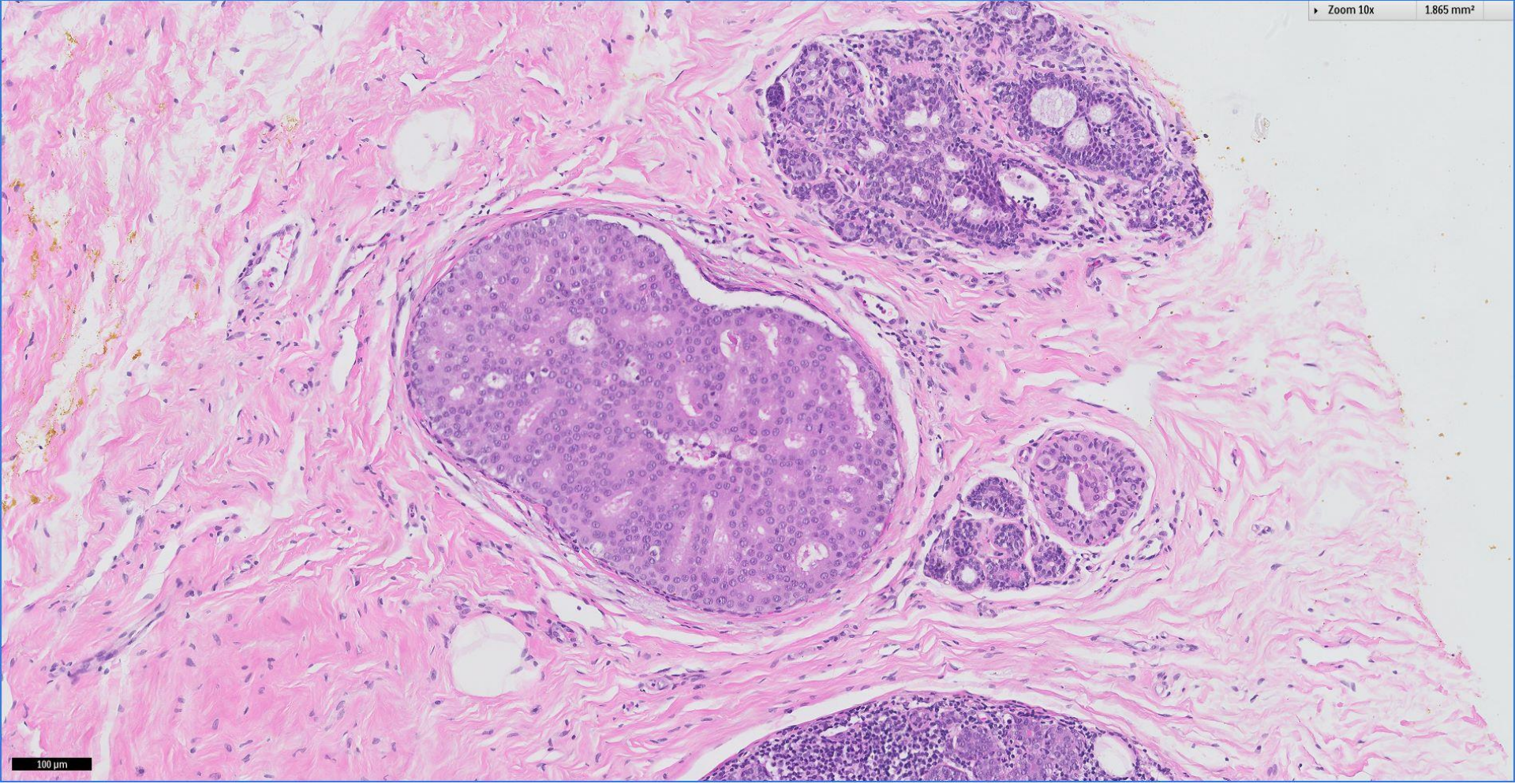
1.865 mm<sup>2</sup>



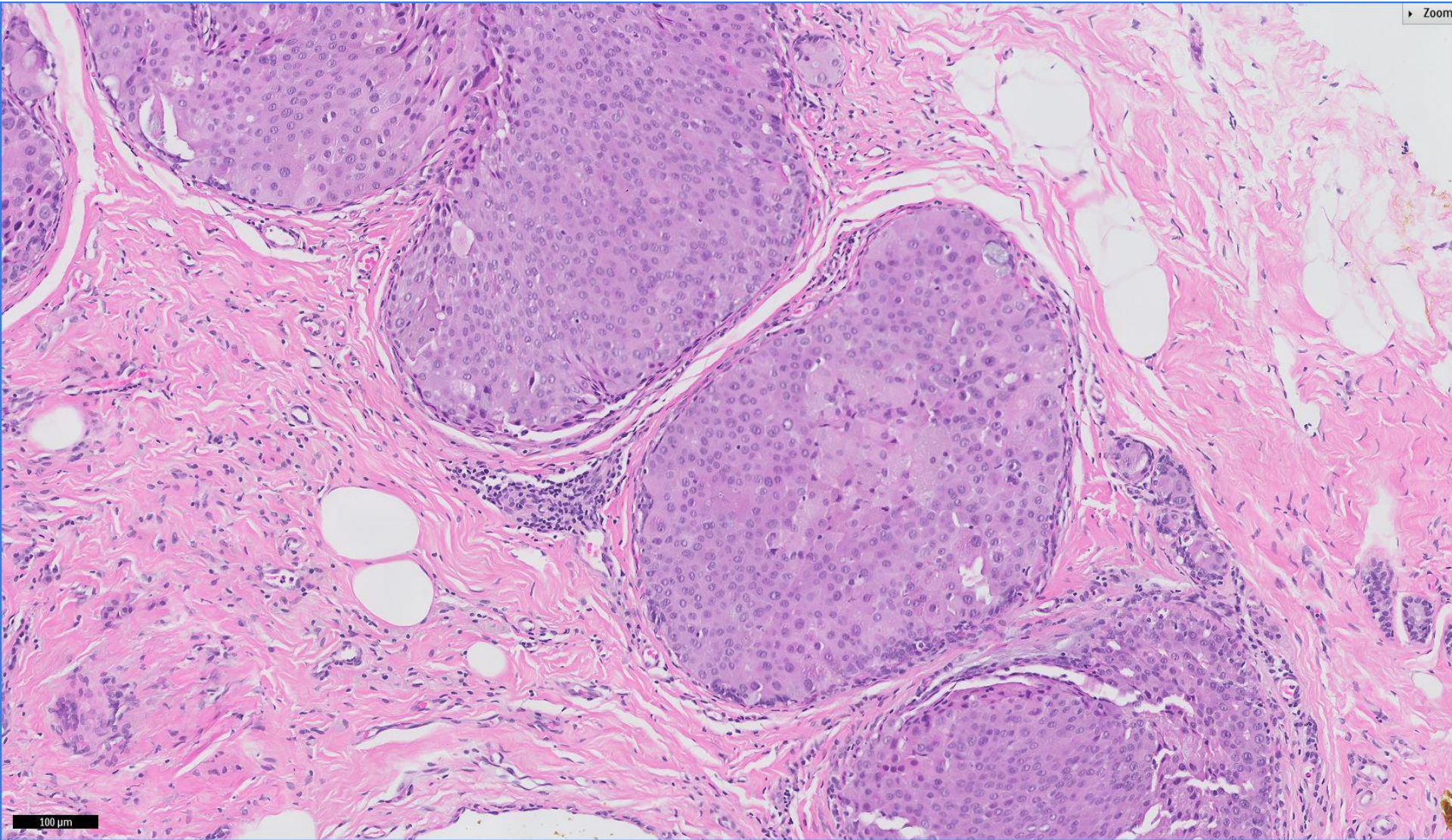
100  $\mu$ m

Zoom 10x

1.865 mm<sup>2</sup>

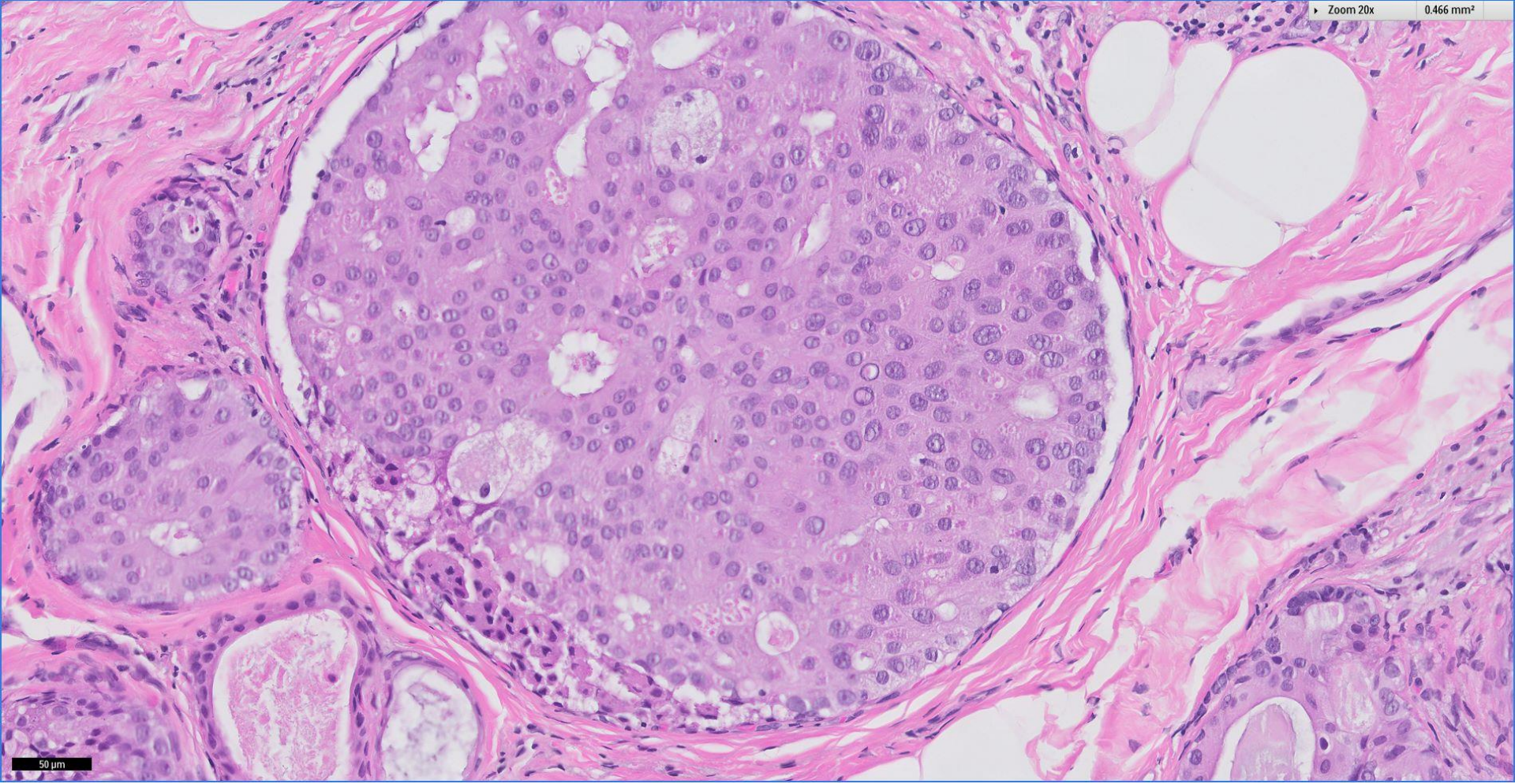


100 μm

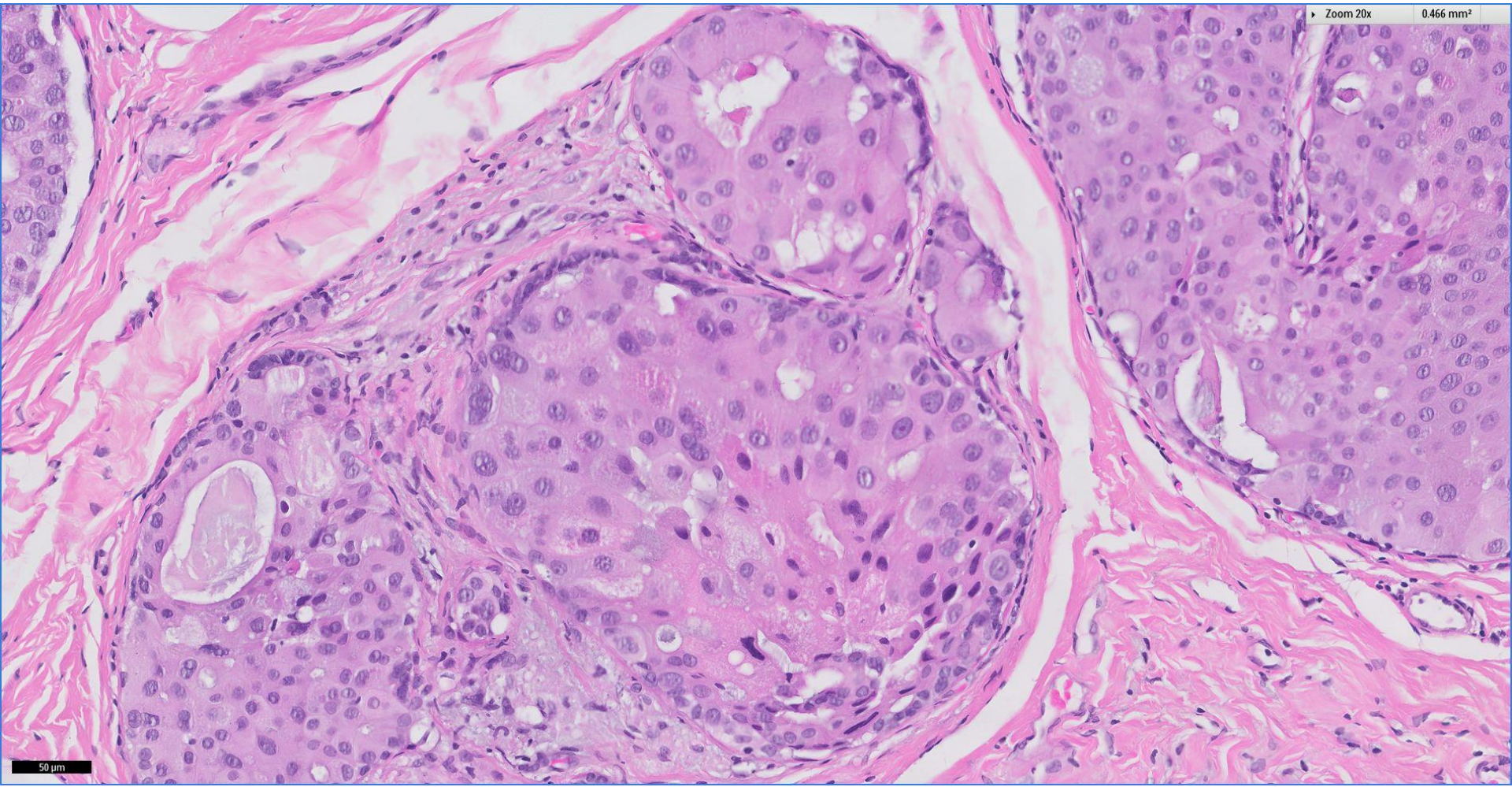


Zoom 20x

0.466 mm<sup>2</sup>

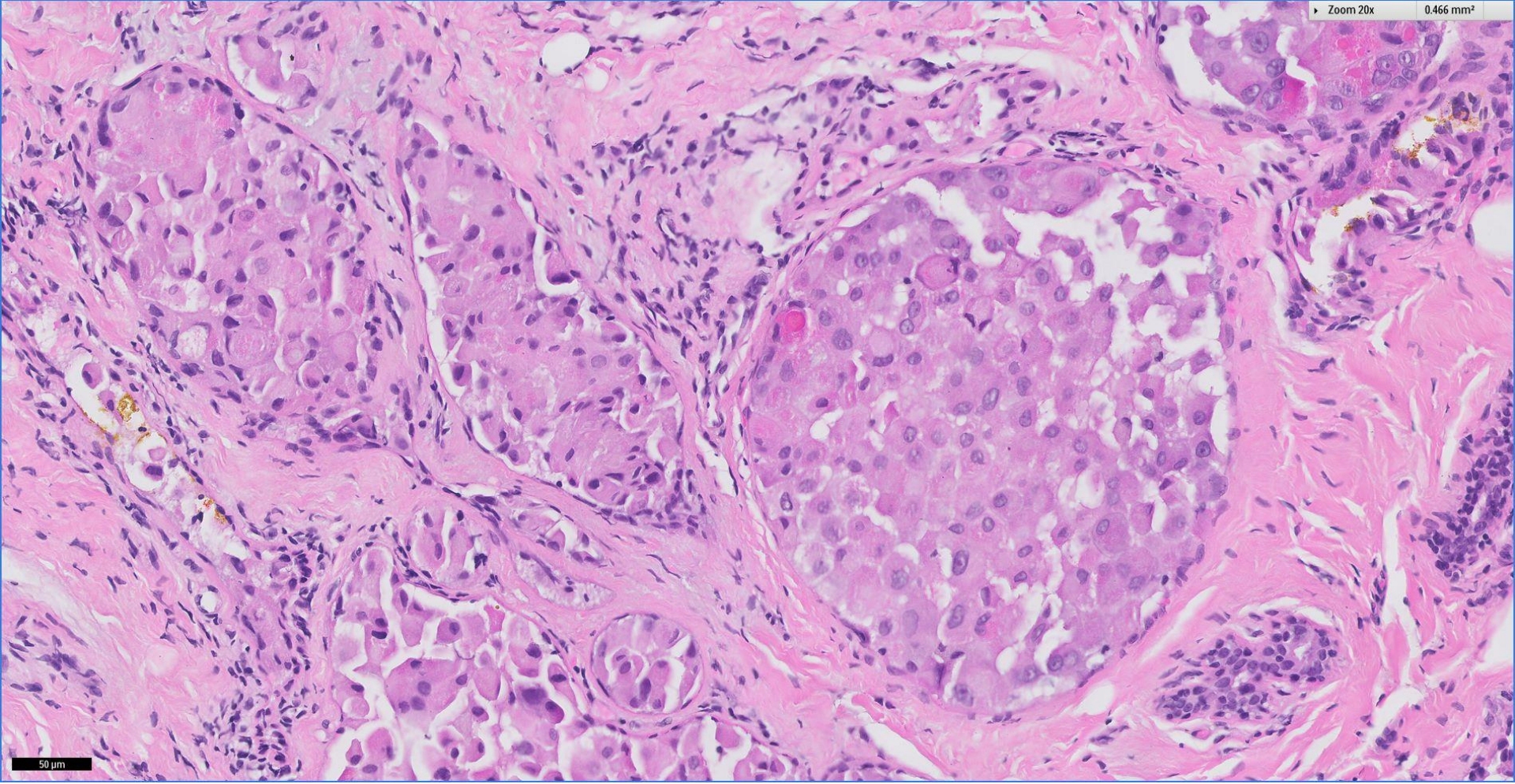


50  $\mu$ m



Zoom 20x

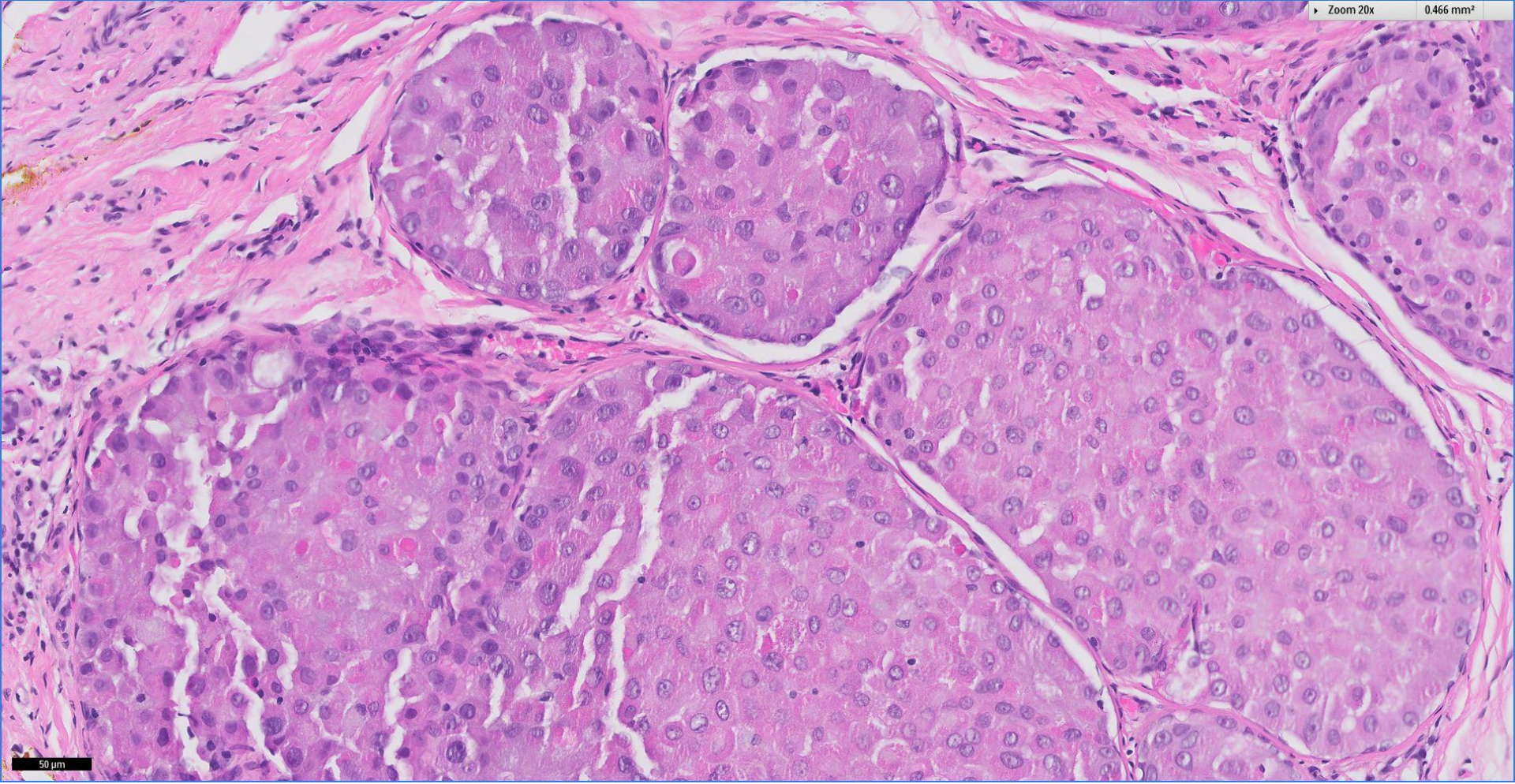
0.466 mm<sup>2</sup>



50 μm

Zoom 20x

0.466 mm<sup>2</sup>

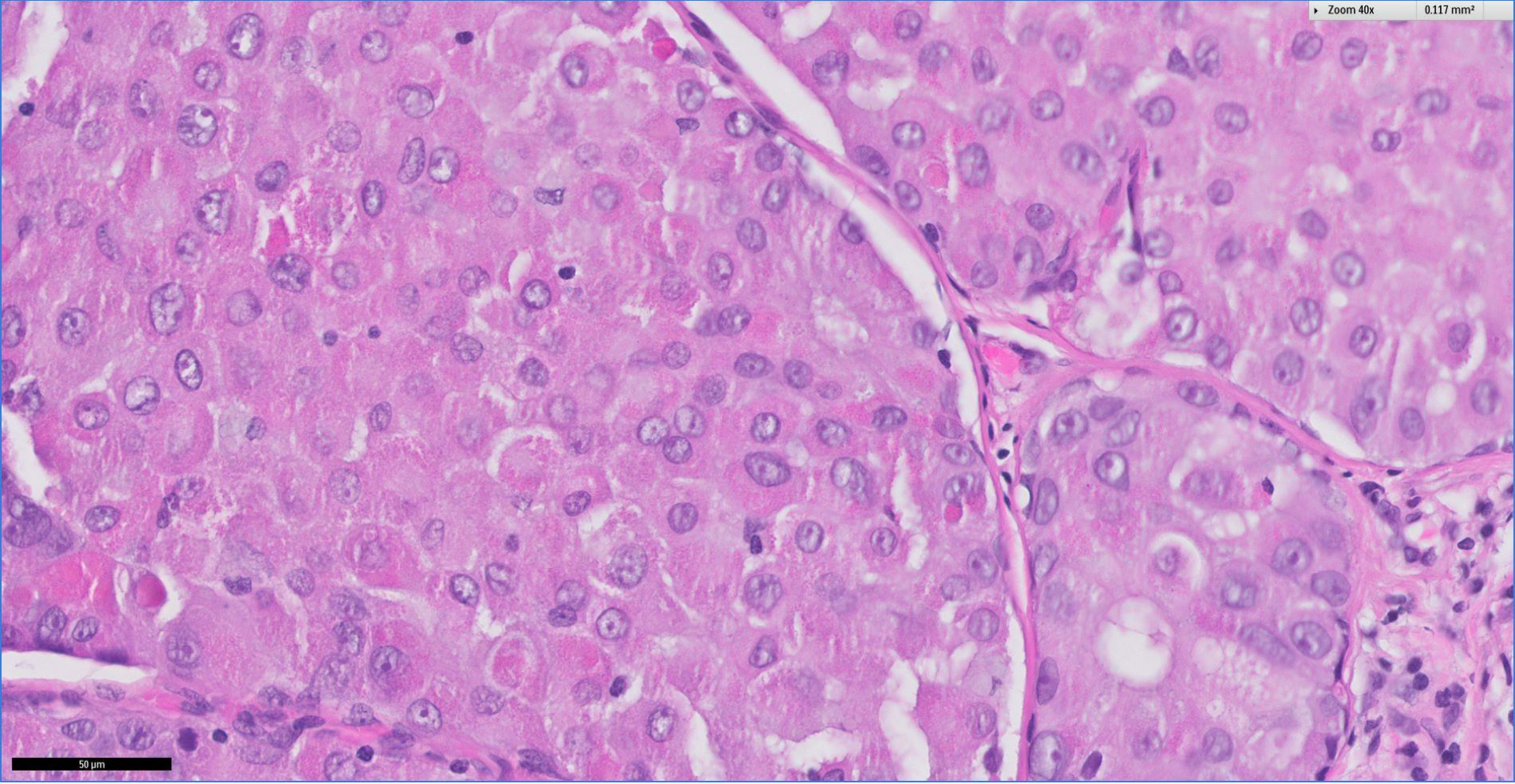


50 μm

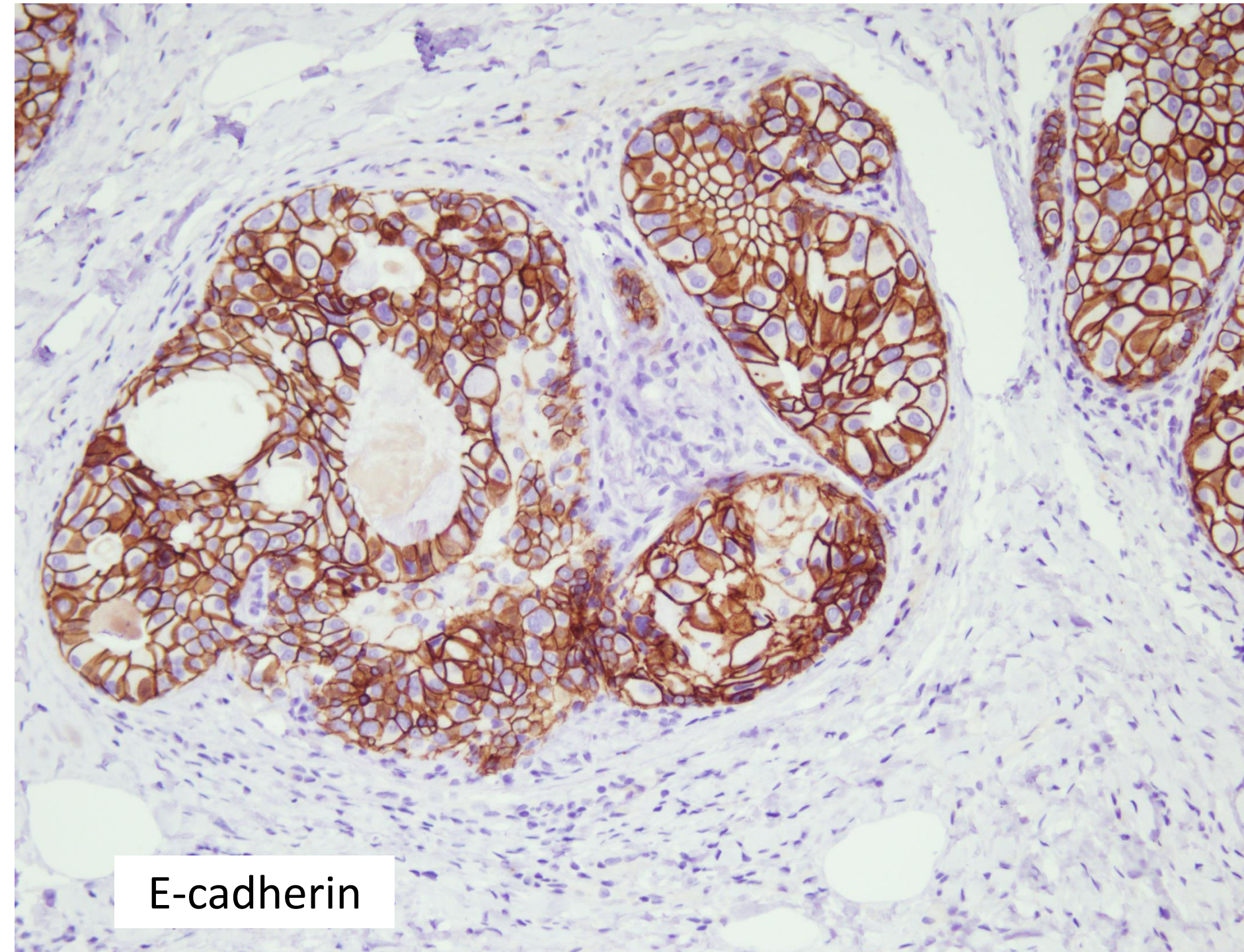


Zoom 40x

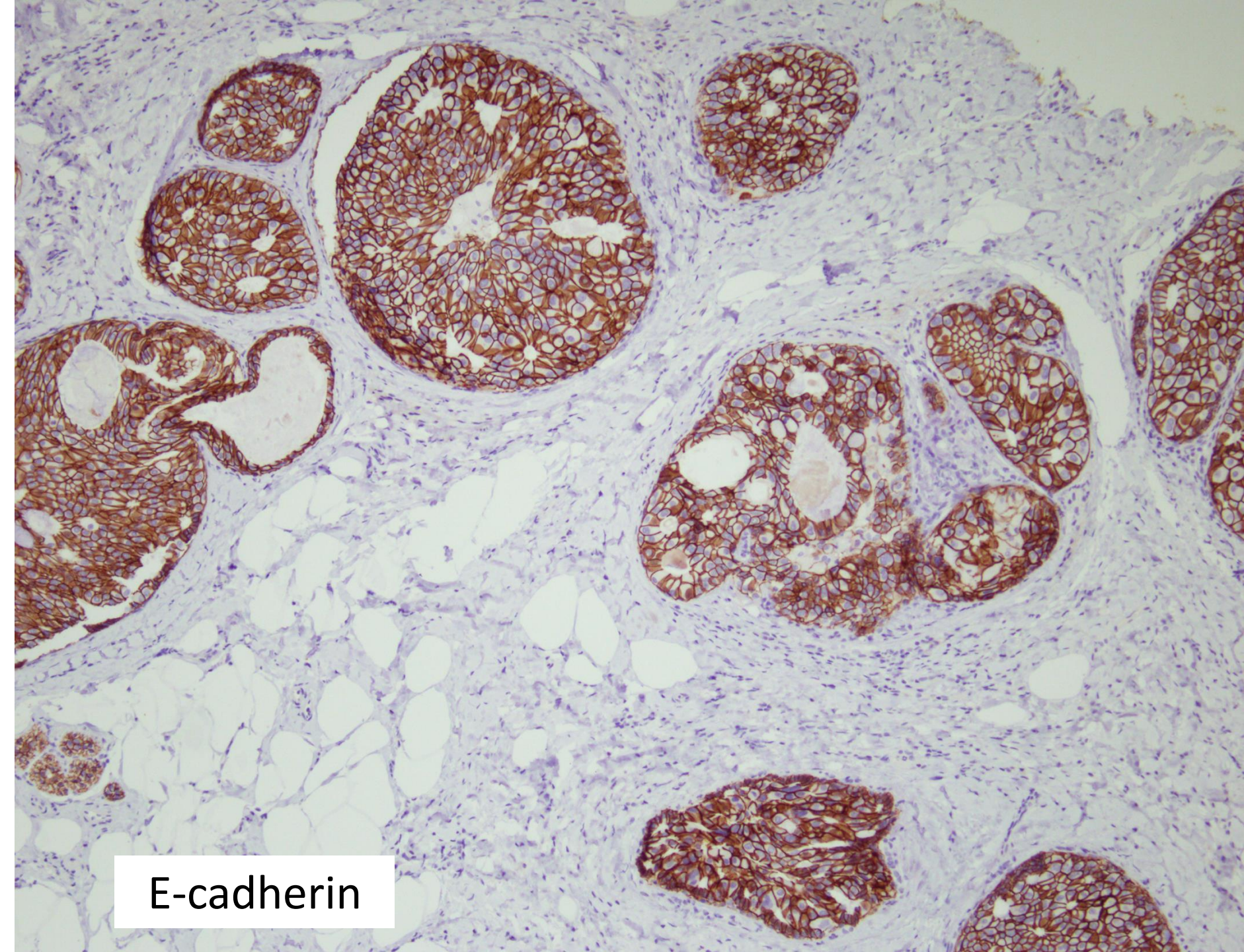
0.117 mm<sup>2</sup>



50 μm



E-cadherin



E-cadherin



This image shows a histological section of prostate tissue stained for E-cadherin. The glandular structures are lined by a layer of epithelial cells. The brown staining highlights the cell membranes of these epithelial cells, indicating the presence of E-cadherin. The surrounding stroma is stained blue with hematoxylin. The overall architecture shows well-defined glandular units with a clear boundary between the epithelium and the stroma.

E-cadherin



This image shows a histological section of tissue stained for E-cadherin. The tissue is stained with hematoxylin and eosin (H&E), showing purple nuclei and pink cytoplasm/extracellular matrix. A large, irregularly shaped area of tissue is outlined in brown, indicating the presence of E-cadherin. This brown staining is primarily located along the cell membranes of the cells within this area, forming a network-like pattern. The surrounding tissue, which is not outlined, shows a more uniform distribution of purple-stained nuclei and less brown staining, suggesting a different cellular composition or a lack of E-cadherin expression in those areas.

E-cadherin



This immunohistochemistry (IHC) image shows a cross-section of glandular tissue, likely from the colon. The glands are lined by a simple columnar epithelium. The brown staining, representing E-cadherin, is localized to the apical surface of the epithelial cells, forming a continuous, dark brown line along the luminal border of each gland. This pattern of staining is characteristic of E-cadherin's role in cell-cell adhesion within epithelial tissues. The nuclei of the cells are stained blue with hematoxylin. The surrounding stroma shows some brown staining, possibly indicating E-cadherin expression in fibroblasts or other stromal cells.

E-cadherin

Stereotactic core biopsies, left breast:

Ductal carcinoma in situ, intermediate to high nuclear grade, comedo pattern, with necrosis and calcifications

Lobular carcinoma in situ, apocrine subtype



 Breast  
Pathology  
Course 2014

