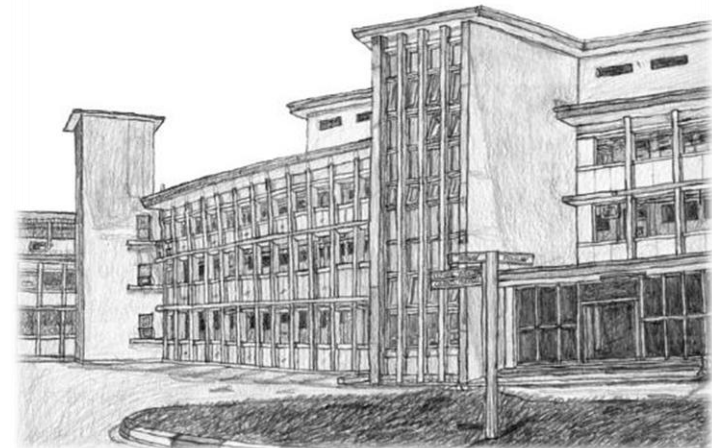


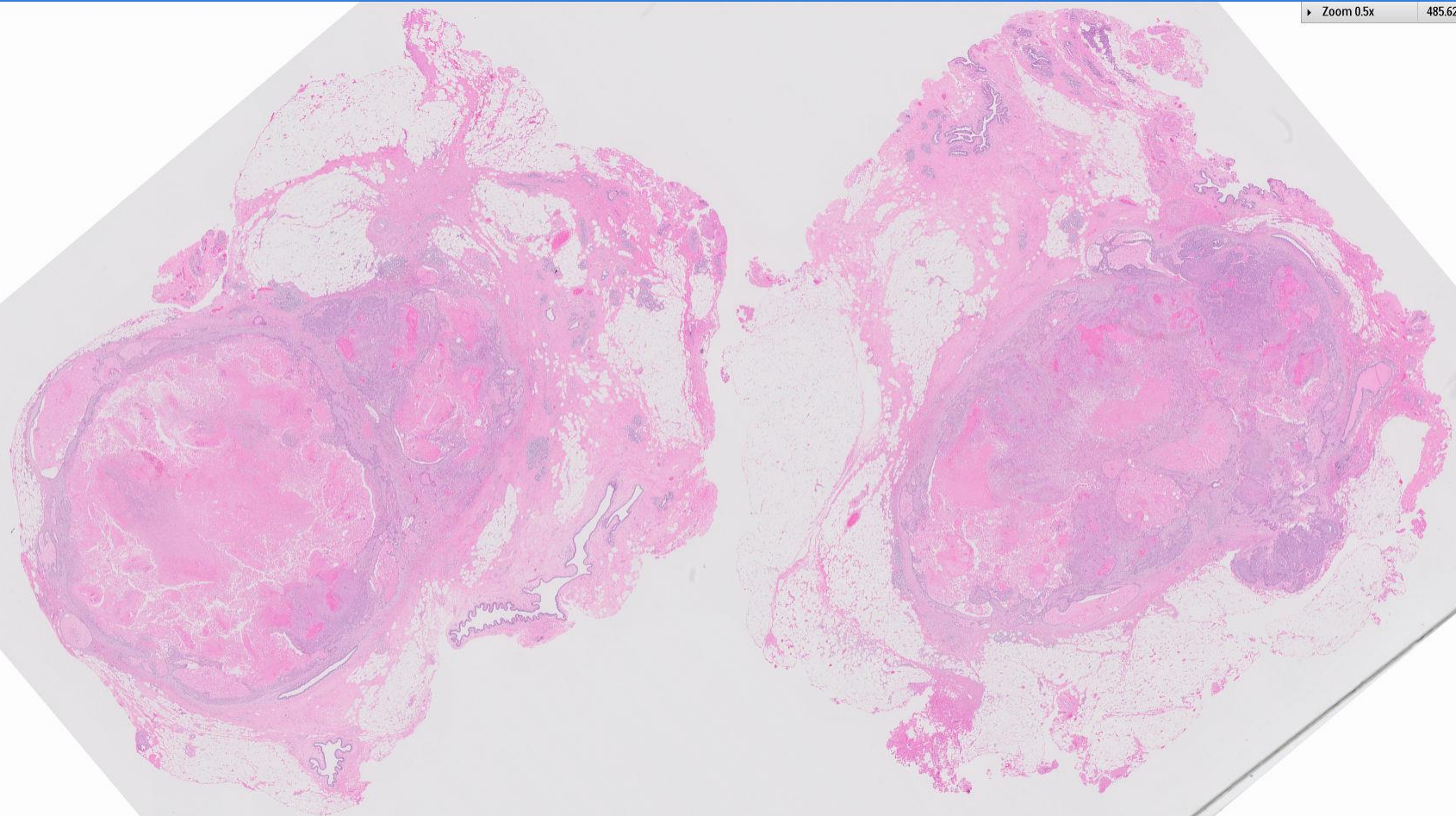
## Case 23

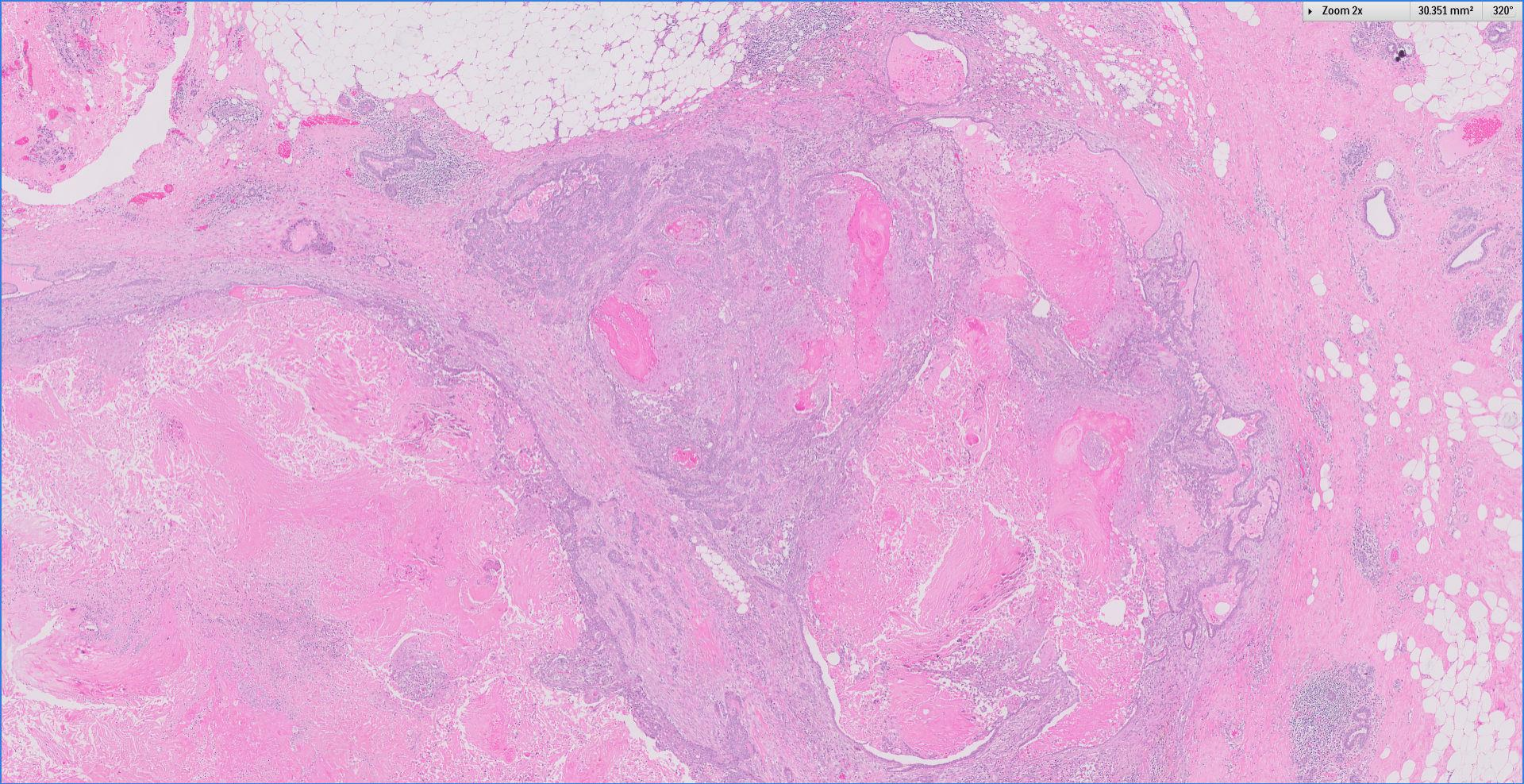
57 year old female.

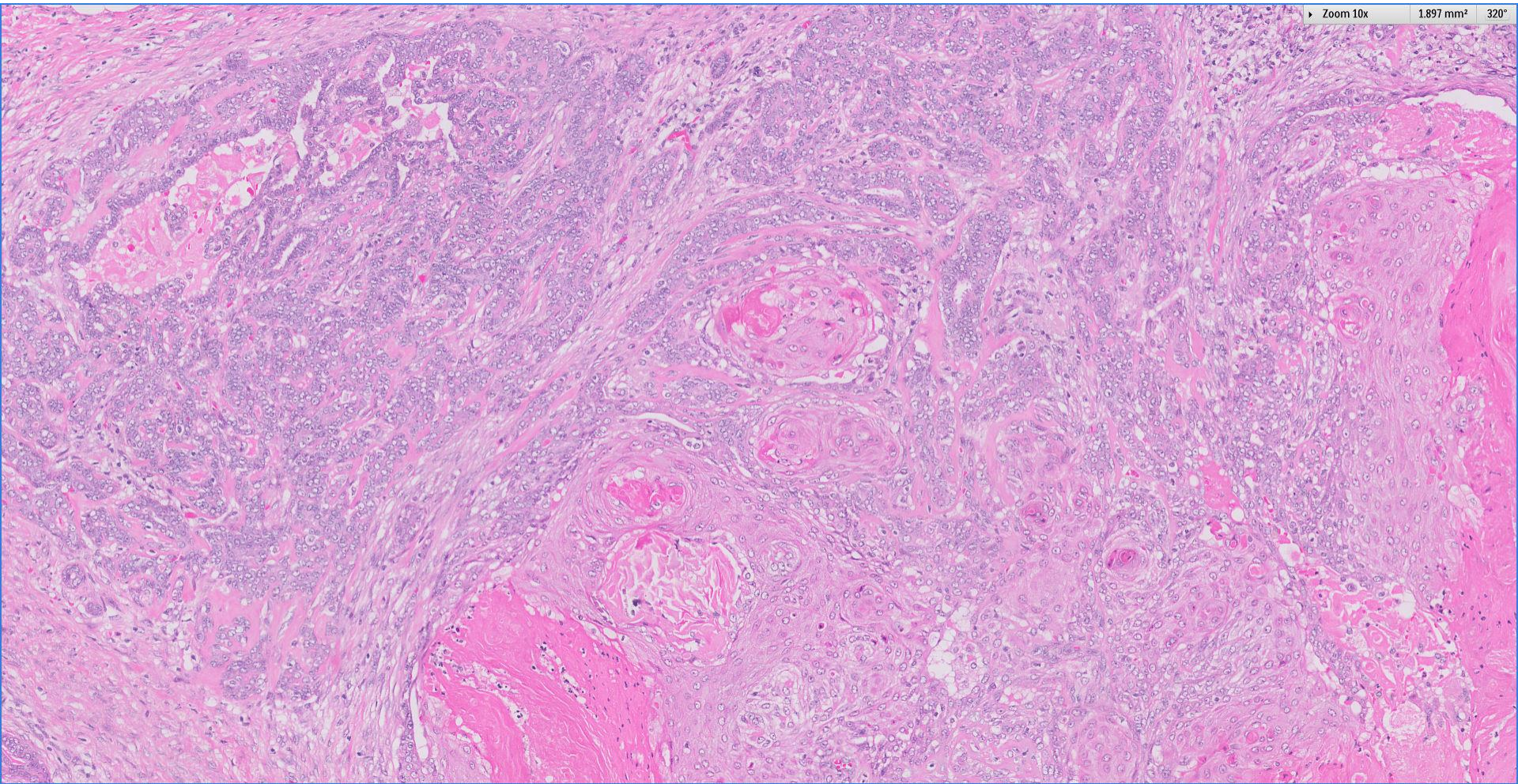
Palpable left breast mass next to the nipple for one month. Mammography and ultrasound showed a 1.3cm irregular tumour in the lower outer quadrant of the breast, appearing cystic on MRI.

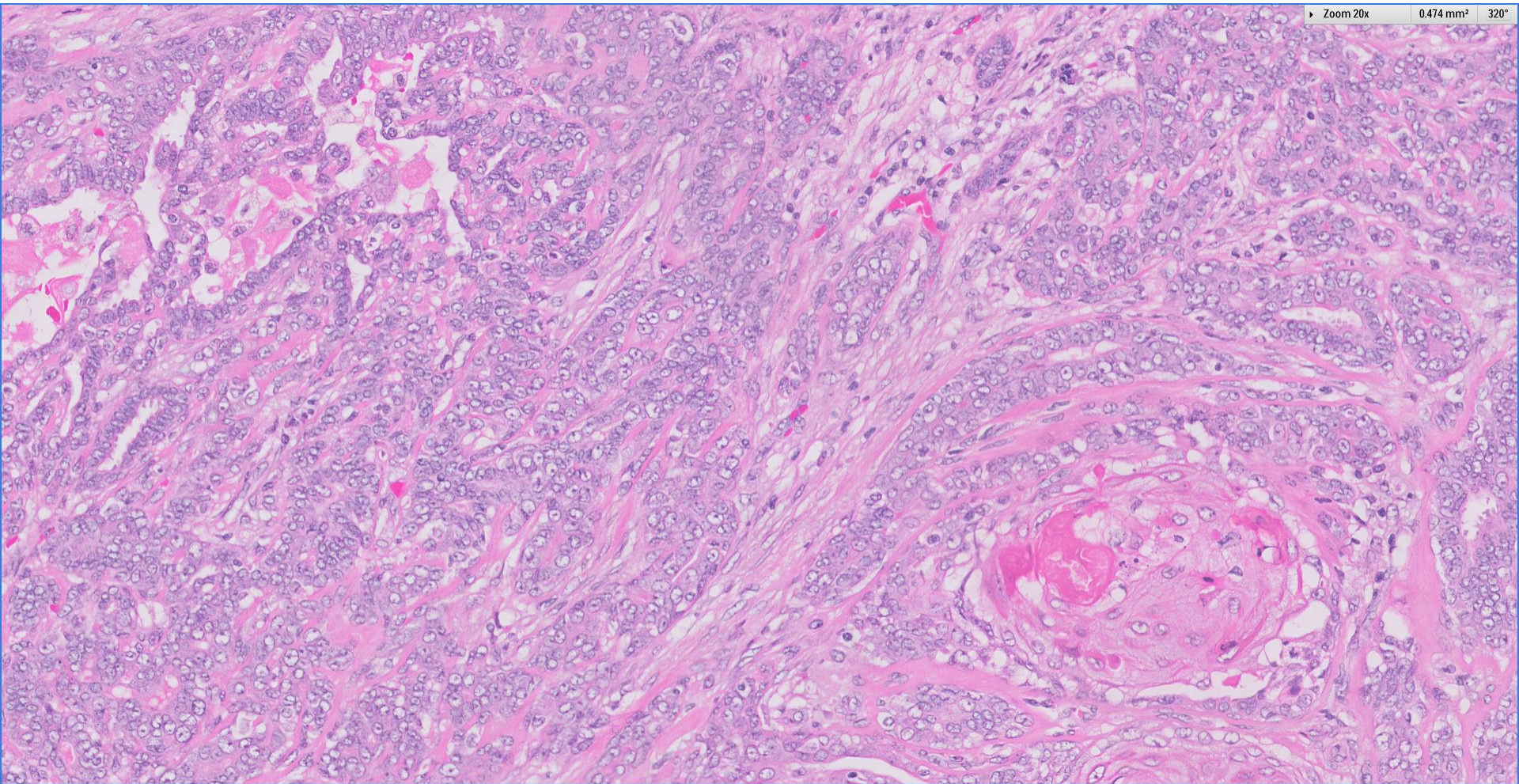
*Case contributed by Dr Akira Hida, Japan*

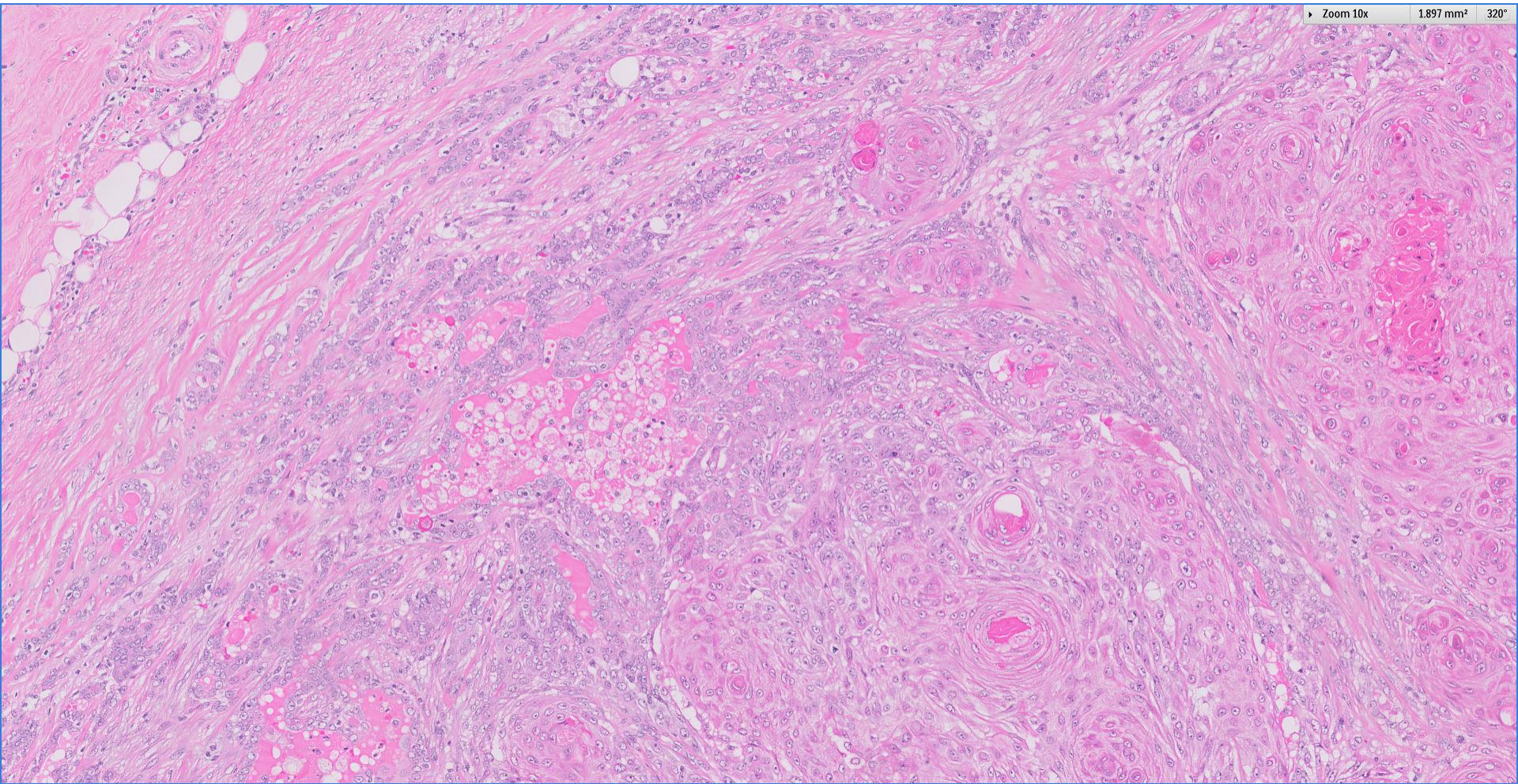




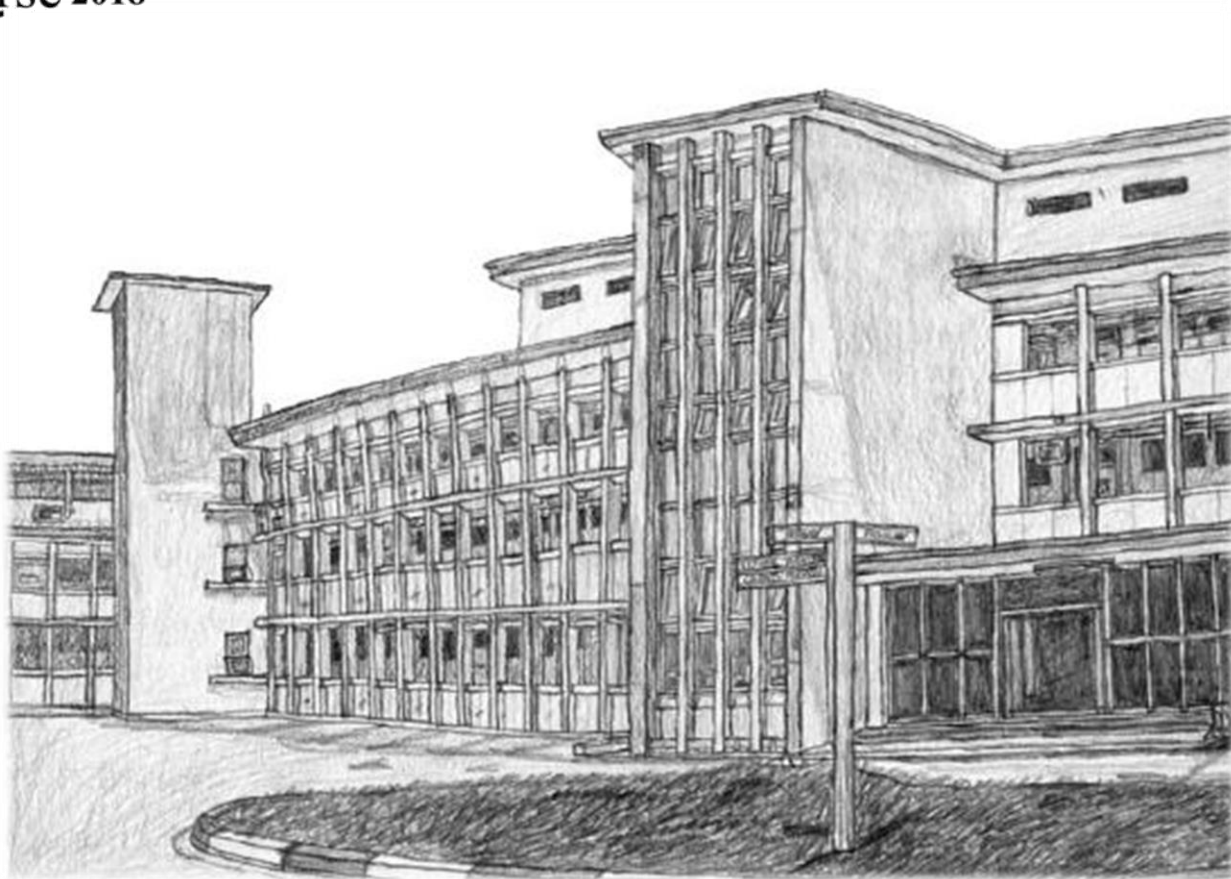








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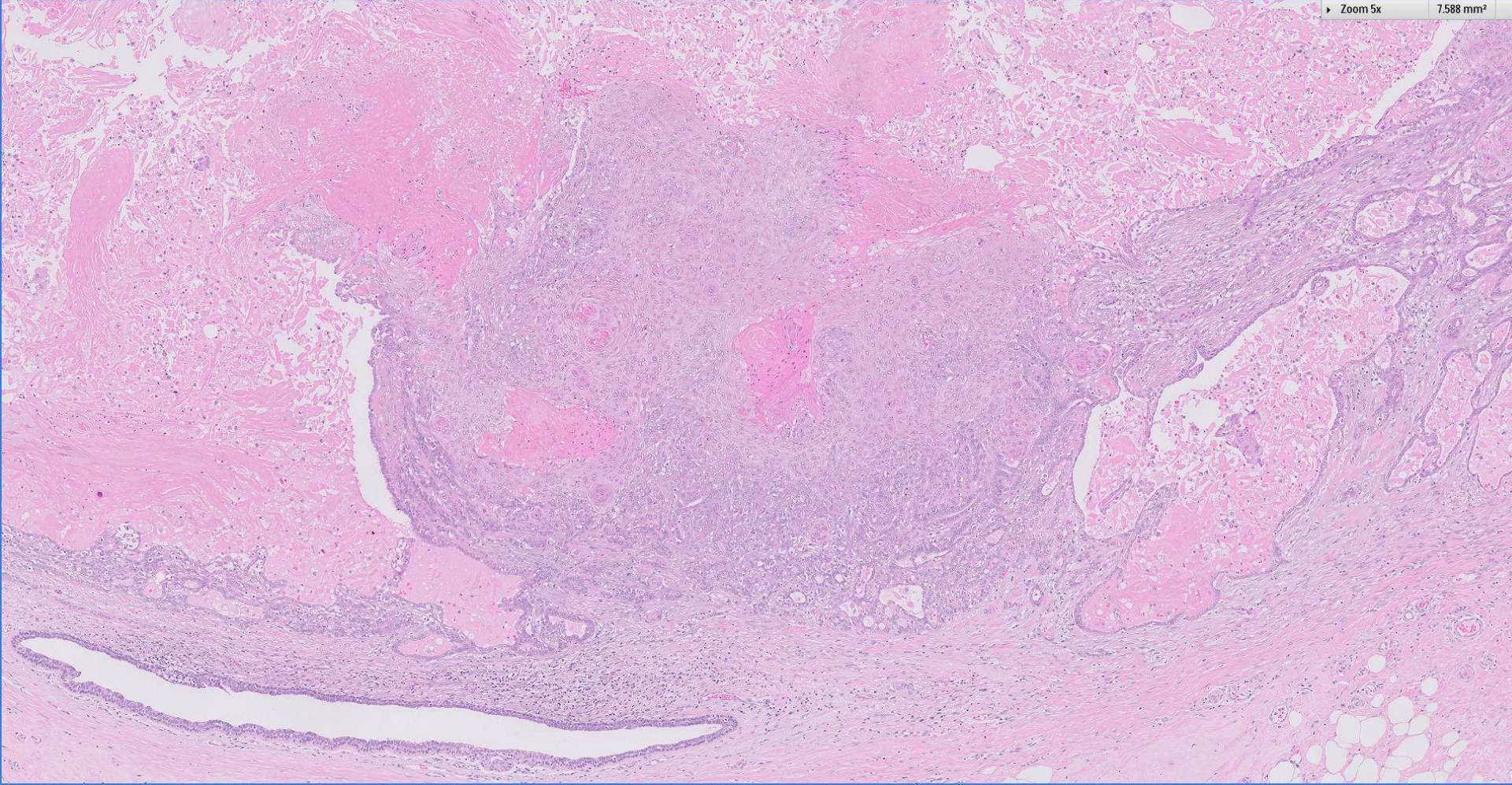
Singapore  
General Hospital

SingHealth  
Division of Pathology



Zoom 5x

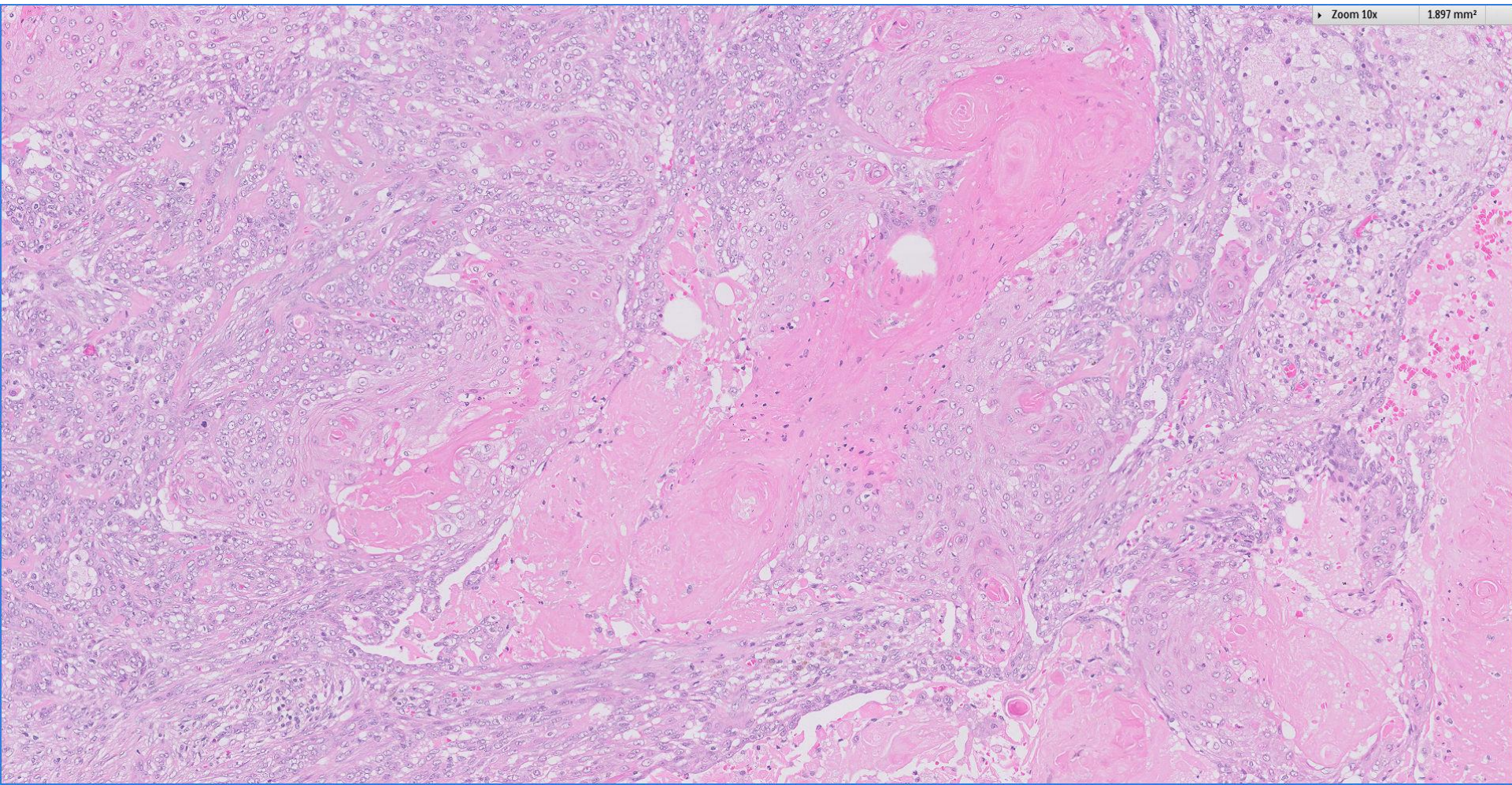
7.588 mm<sup>2</sup>





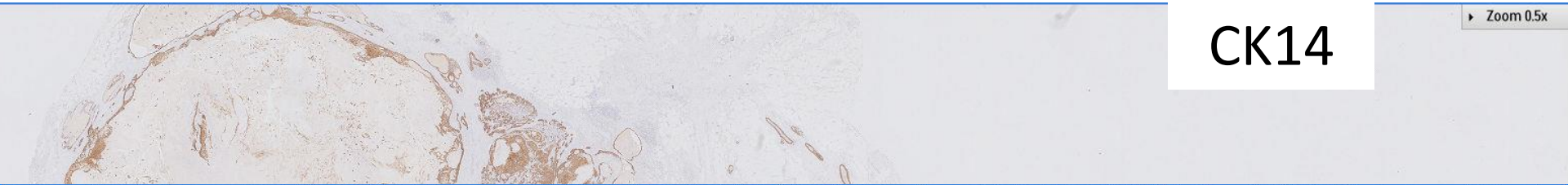
Zoom 10x

1.897 mm<sup>2</sup>



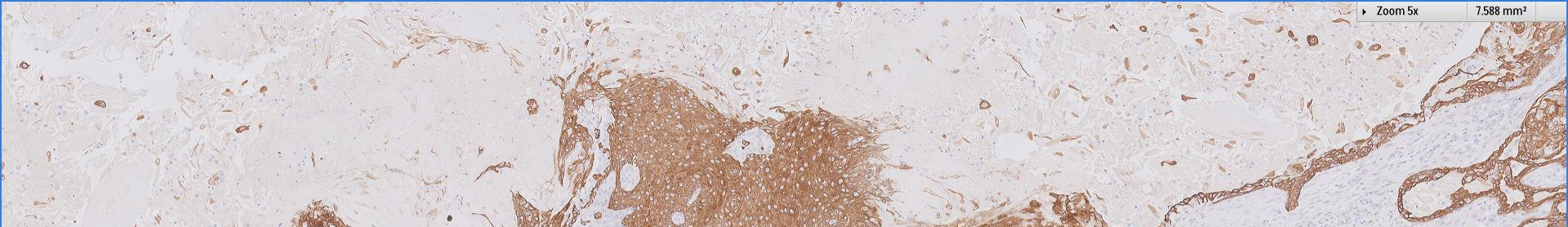
CK14

Zoom 0.5x



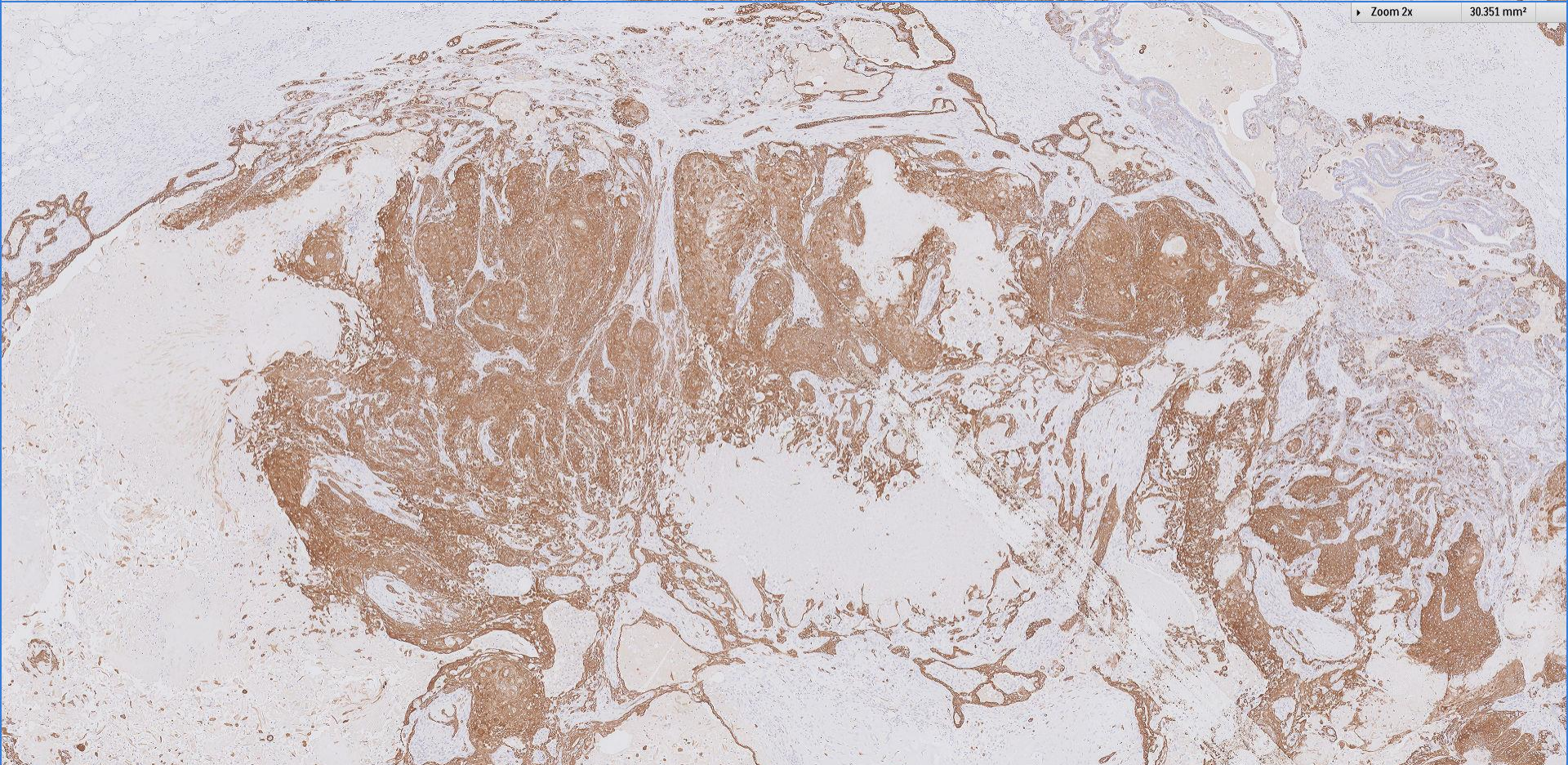
Zoom 5x

7.588 mm<sup>2</sup>



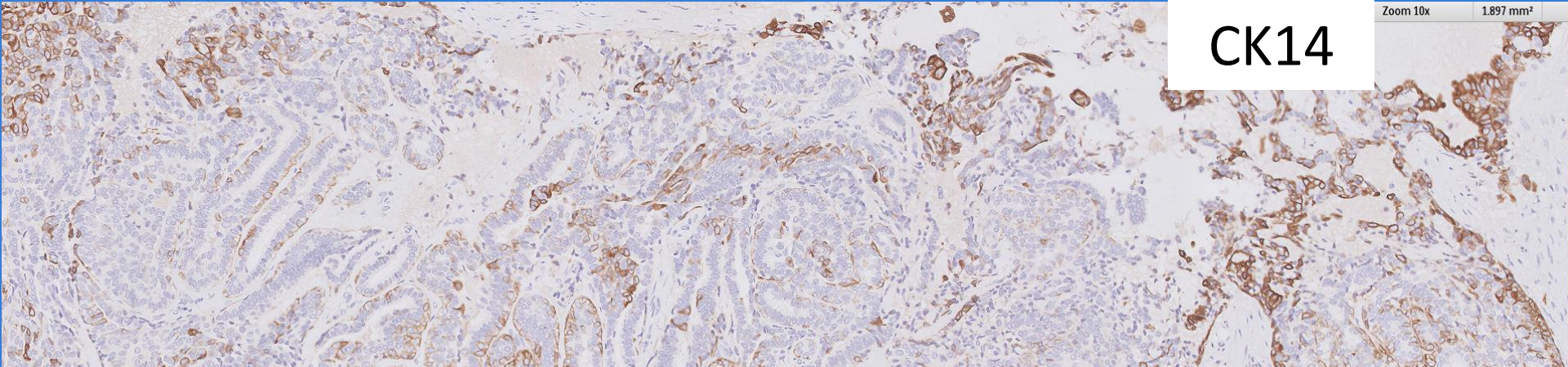
Zoom 2x

30.351 mm<sup>2</sup>

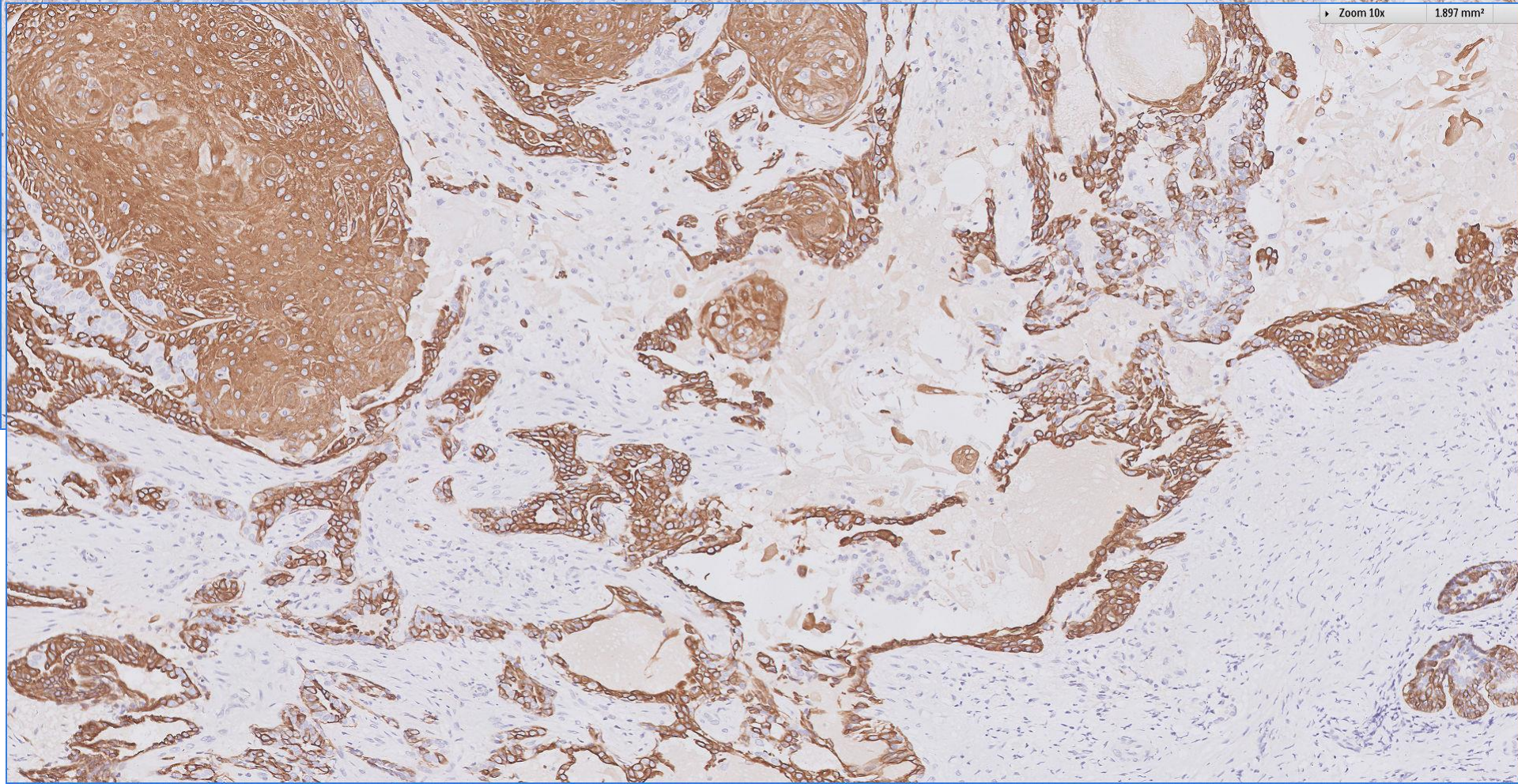


CK14

Zoom 10x 1.897 mm<sup>2</sup>



Zoom 10x 1.897 mm<sup>2</sup>

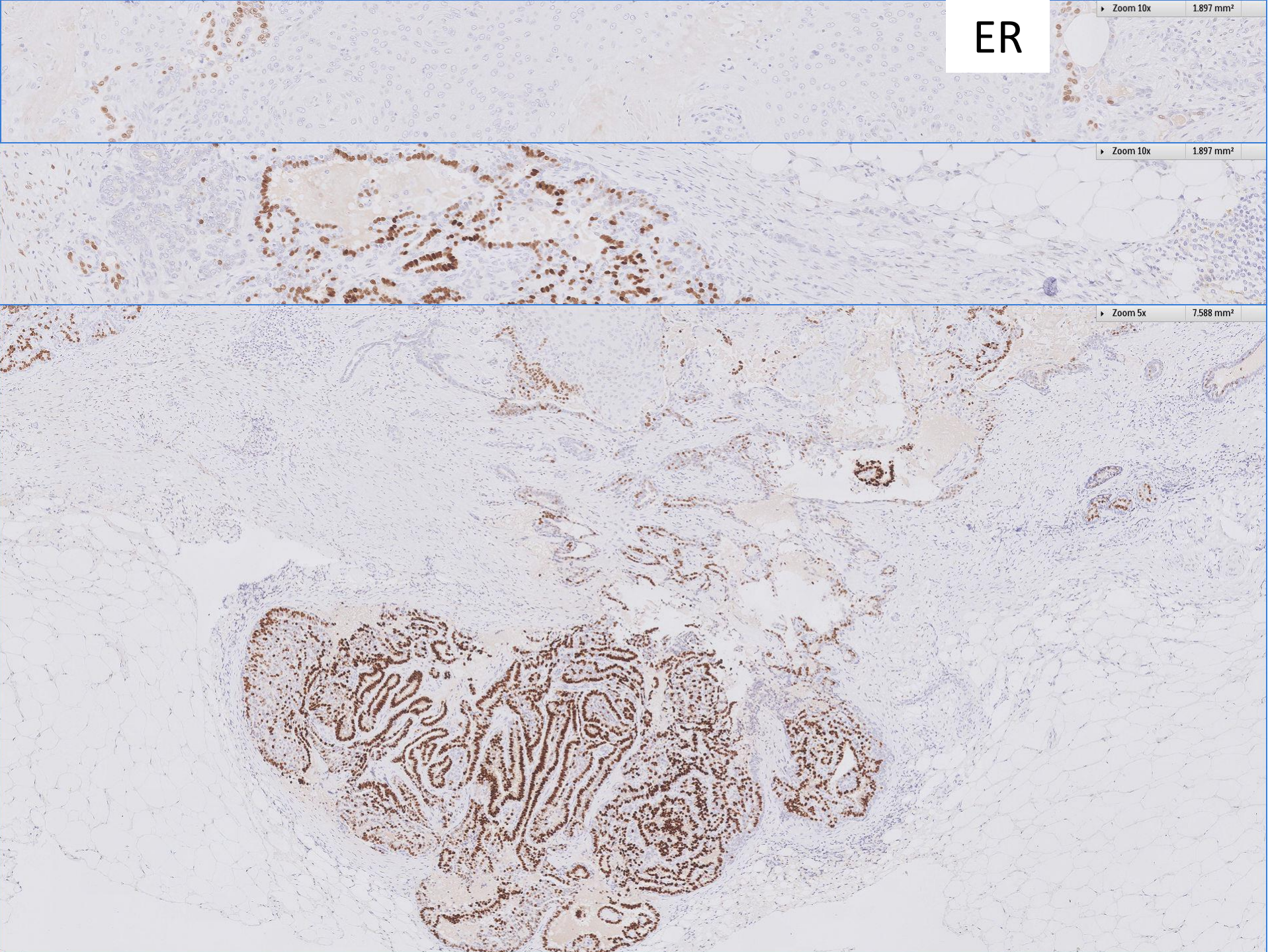


ER

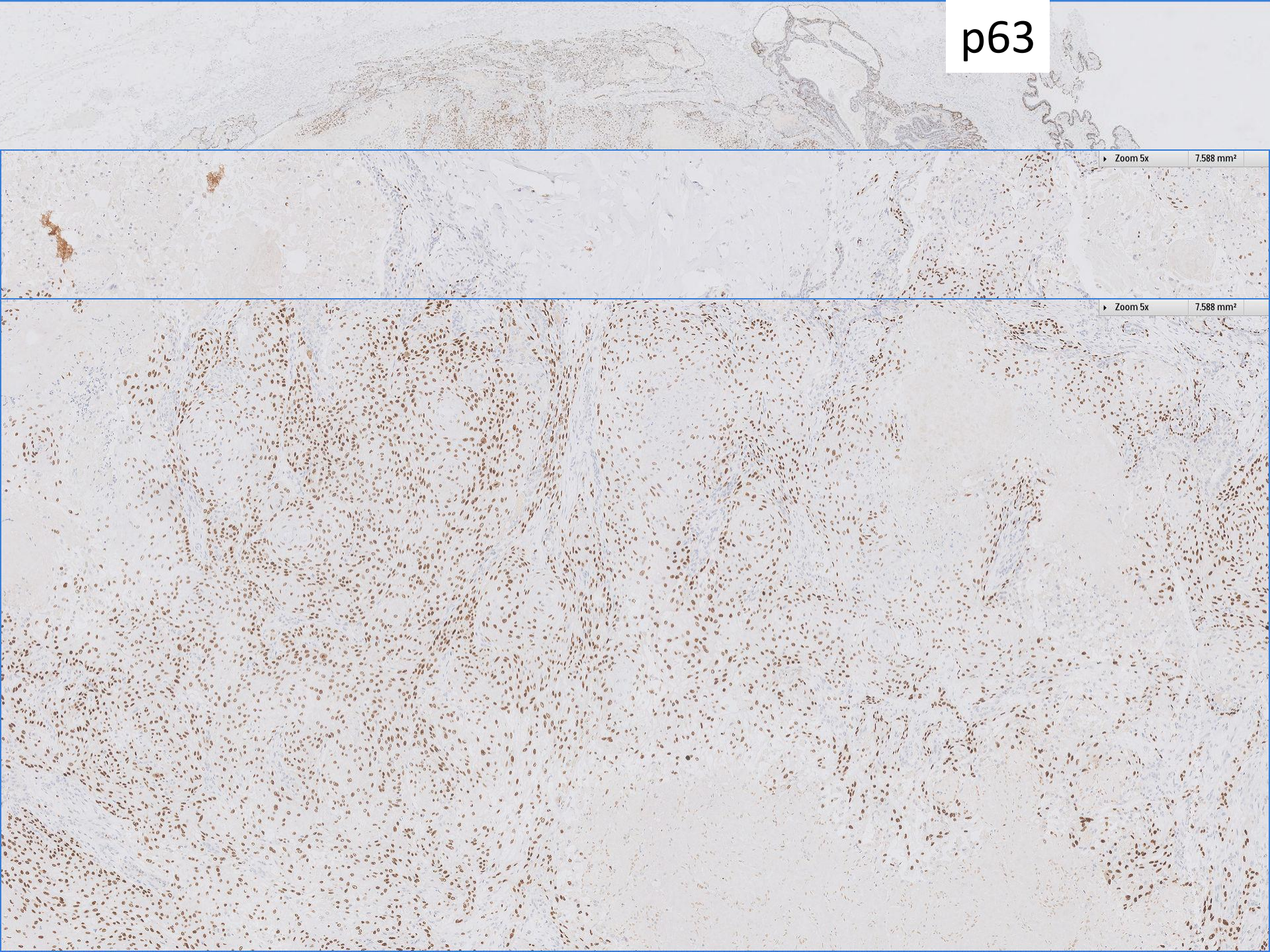
Zoom 10x 1.897 mm<sup>2</sup>

Zoom 10x 1.897 mm<sup>2</sup>

Zoom 5x 7.588 mm<sup>2</sup>



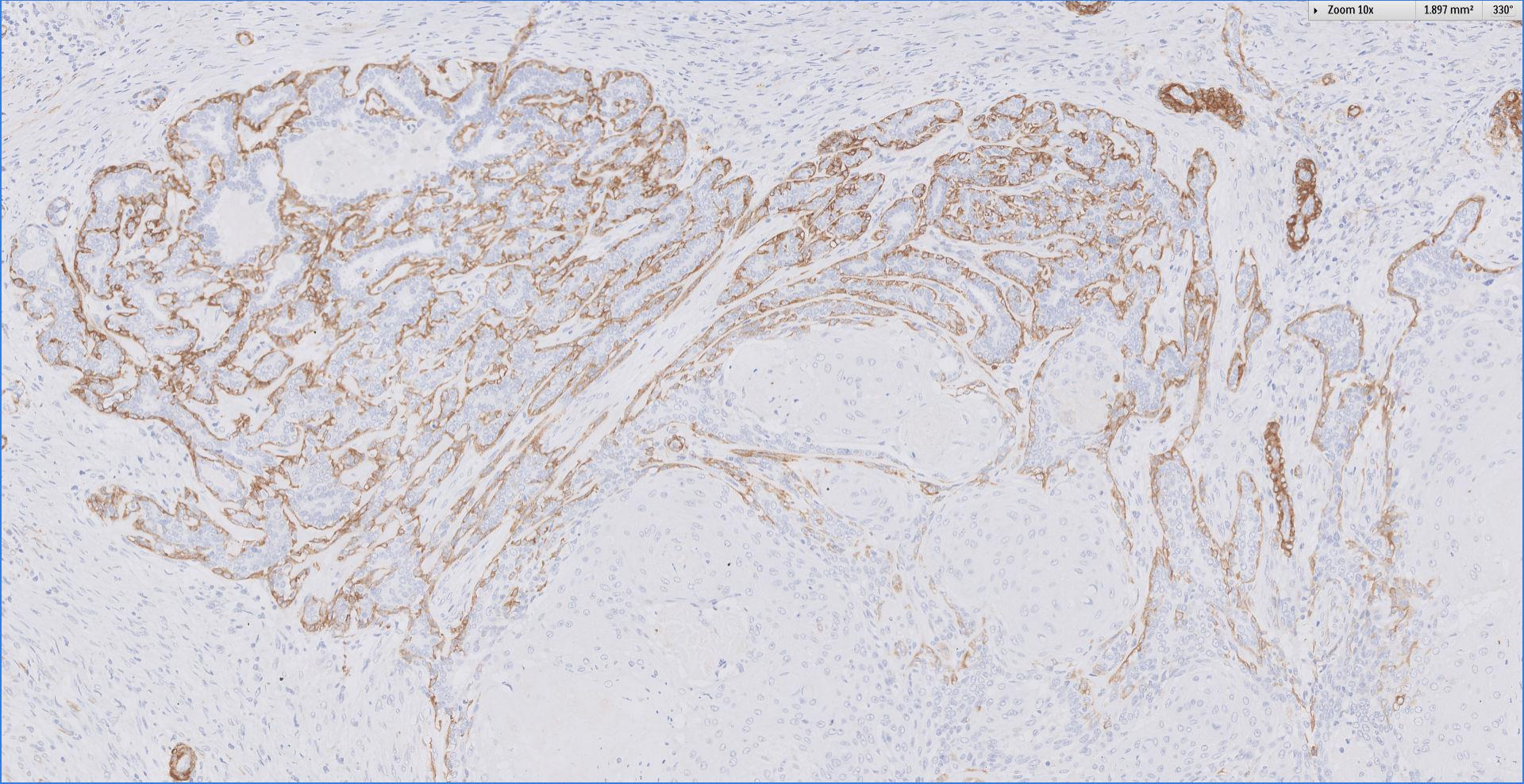
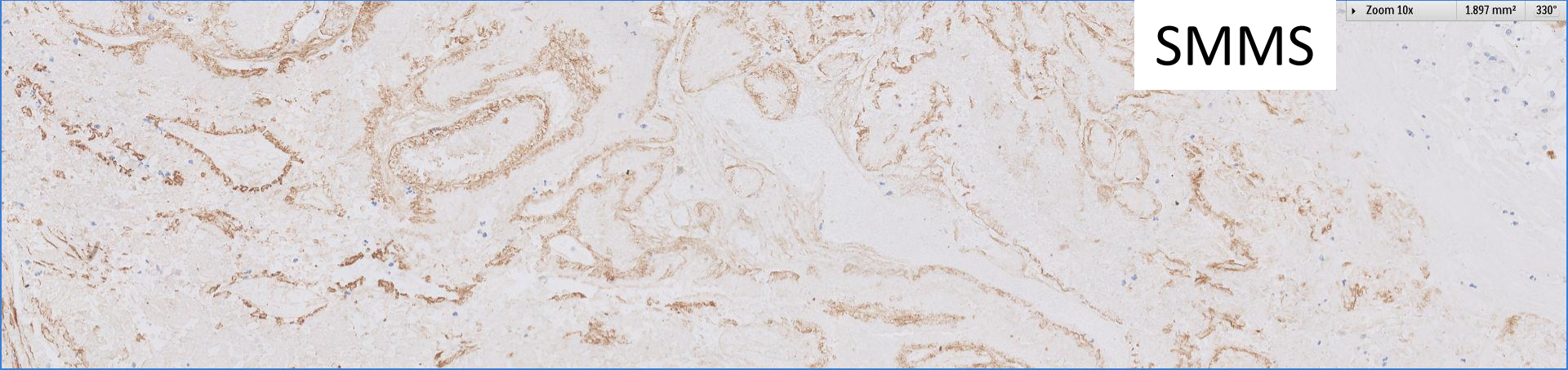
p63



Zoom 5x 7.588 mm<sup>2</sup>

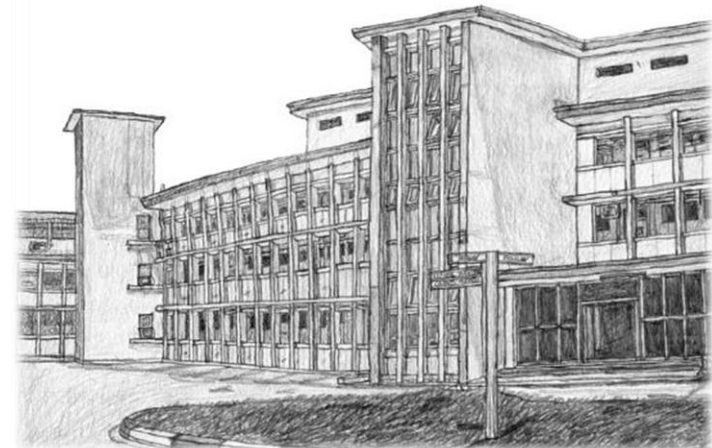
Zoom 5x 7.588 mm<sup>2</sup>

SMMS



## *Diagnosis*

Intraductal papilloma with extensive squamous metaplasia, reactive atypia and infarction.



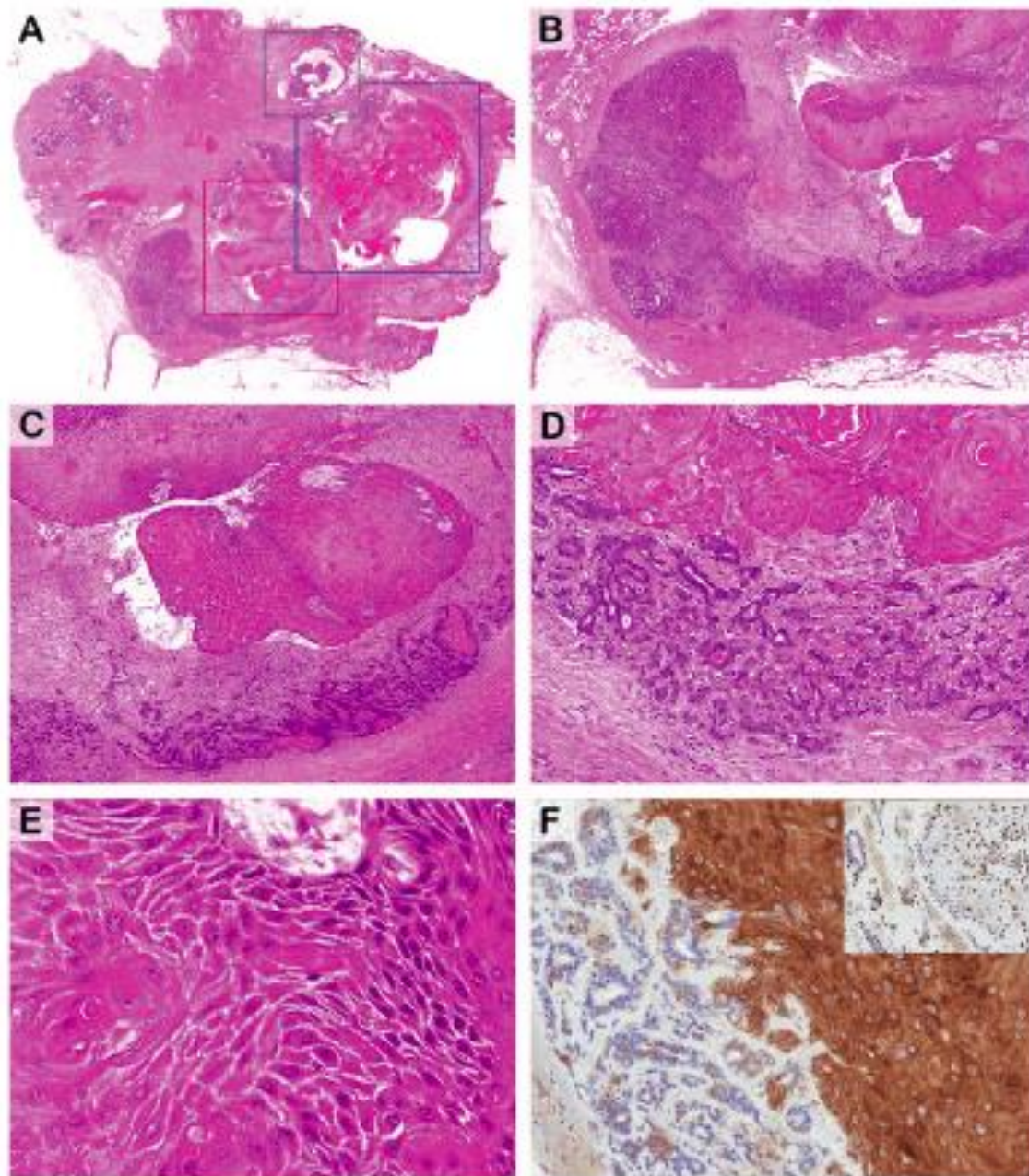
# Exuberant Squamous Metaplasia in an Intraductal Papilloma of Breast

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and Ugur Ozerdem, MD<sup>1</sup>

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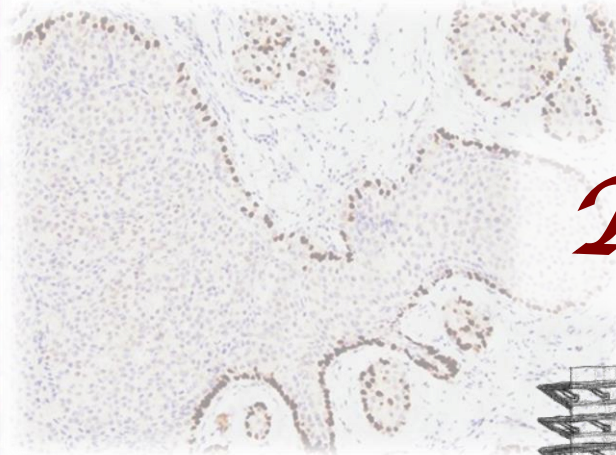
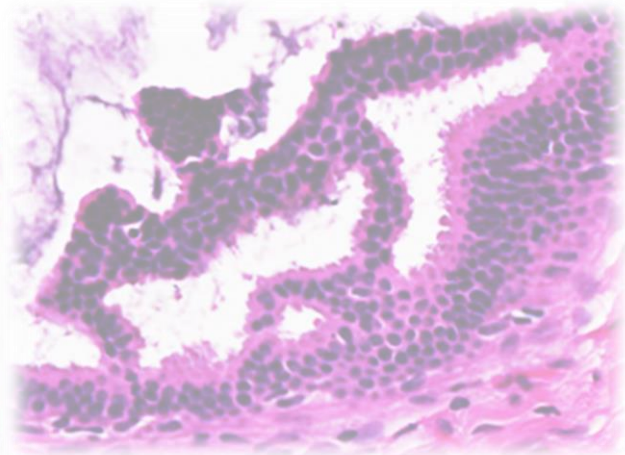
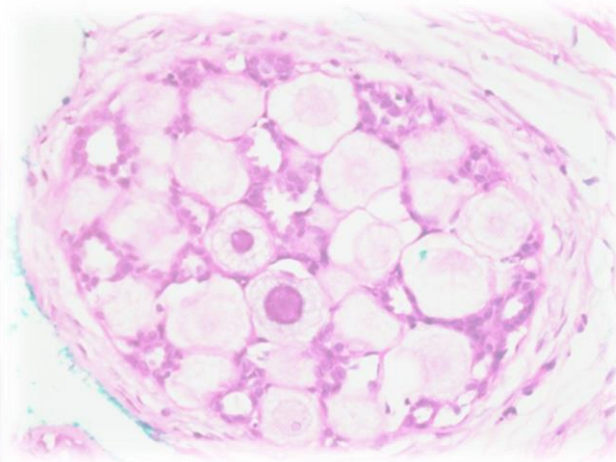
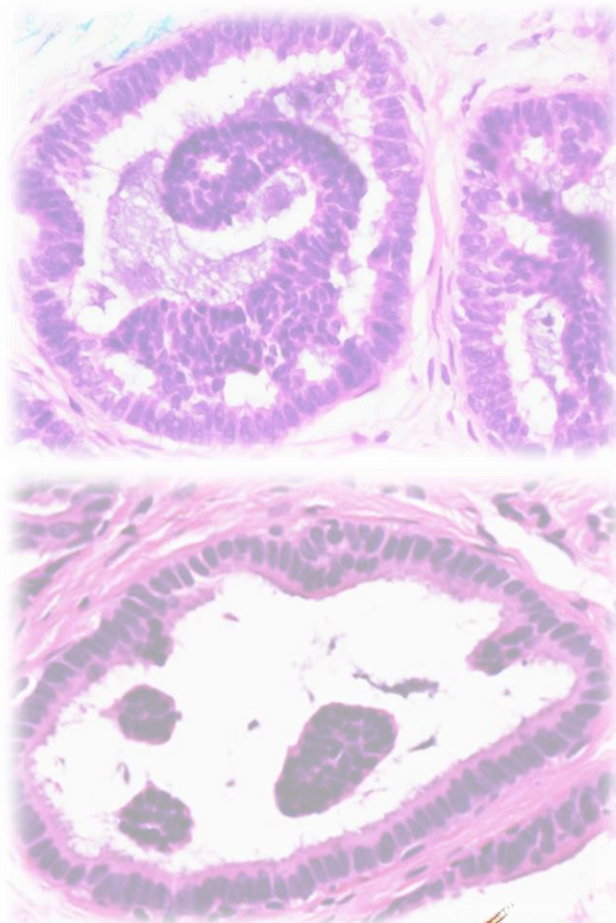

- Squamous metaplasia follows contour of the intraductal papilloma, with bland features, without infiltration.
- Intercellular bridges readily found in squamous metaplastic component.
- Immunohistochemical positivity for p63 and CK5/6.
- Squamous metaplasia in intraductal papillomas is an uncommon benign finding ~
  - Can occur de novo.
  - Post needling procedure.
  - Post spontaneous infarction.





**Figure 1.** Intraductal papilloma with exuberant squamous metaplasia.

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*Thank you!*

