

## Case 7

50 year old female.

Section from a solid-cystic haemorrhagic retroareolar tumour, 8cm, in the central position of a left breast mastectomy.



Singapore  
General Hospital

SingHealth

Division of Pathology

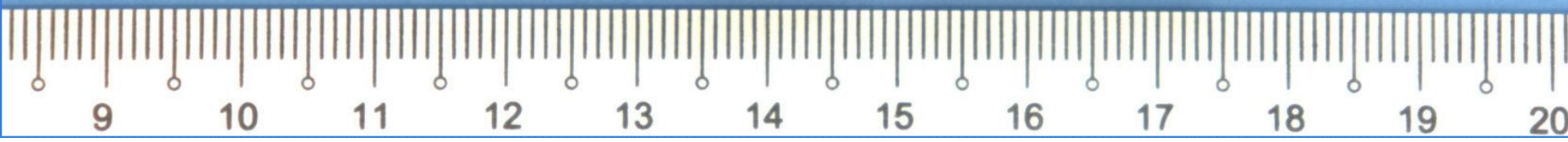
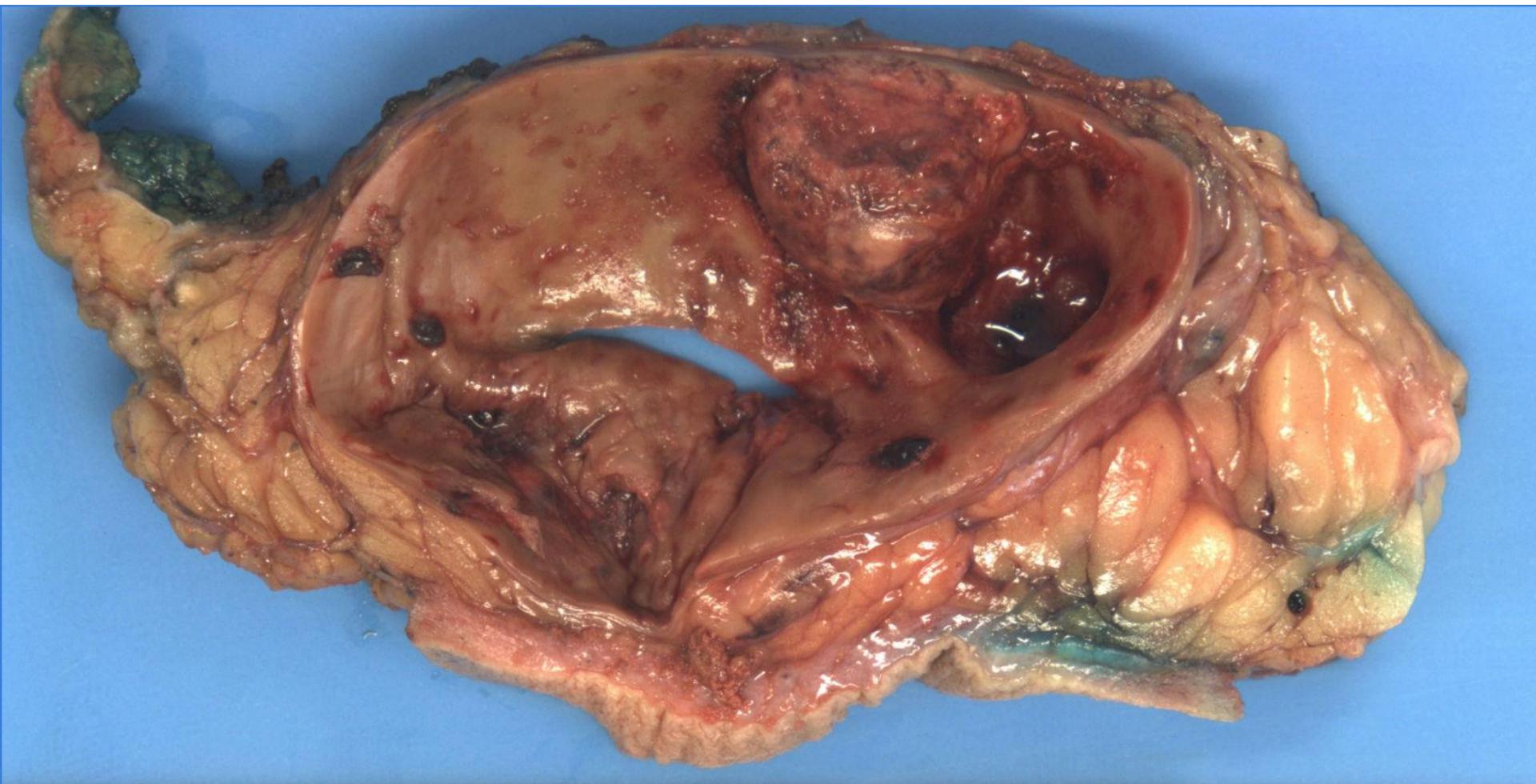


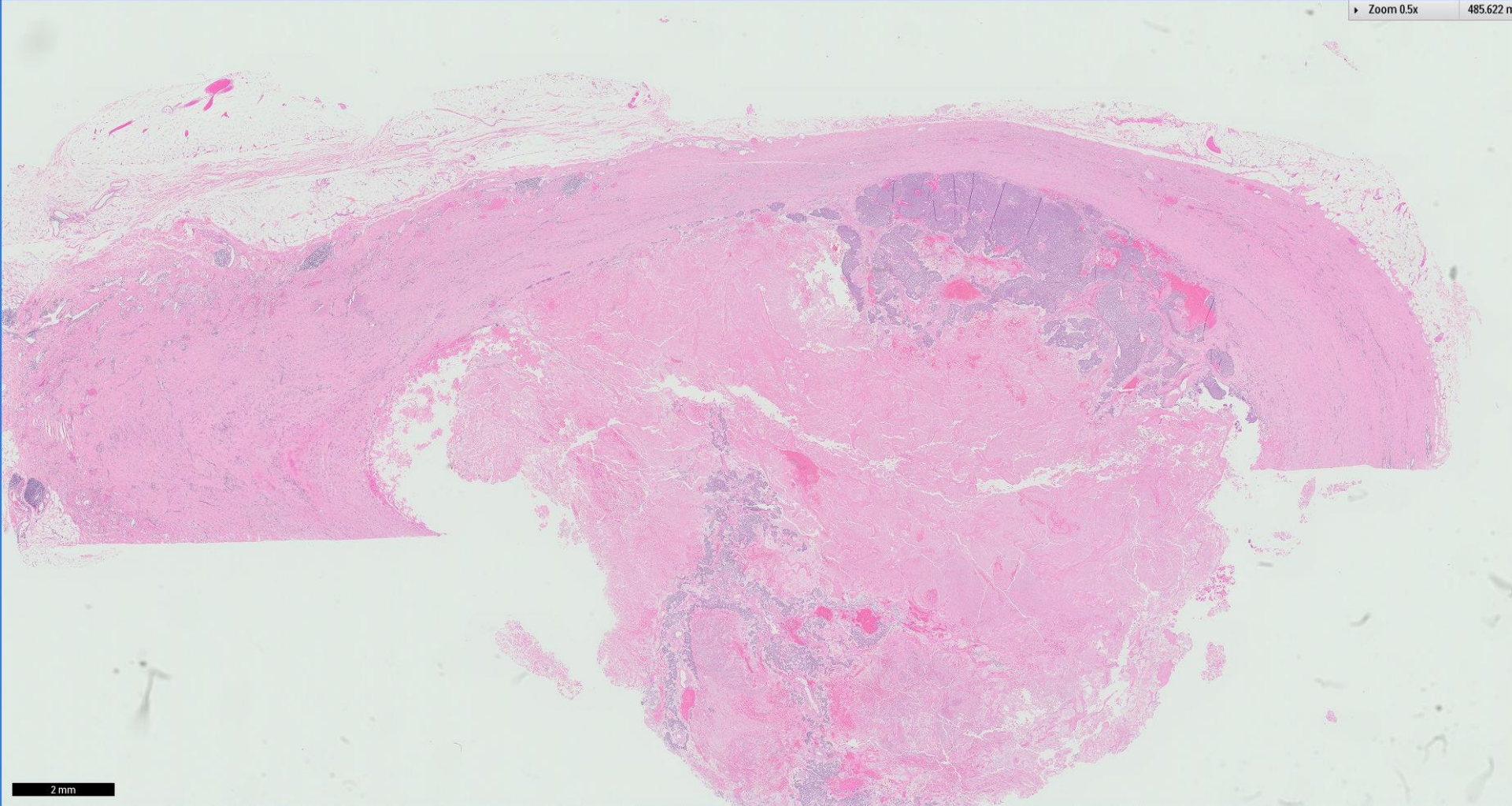
**PATHOLOGY**

**IAP**

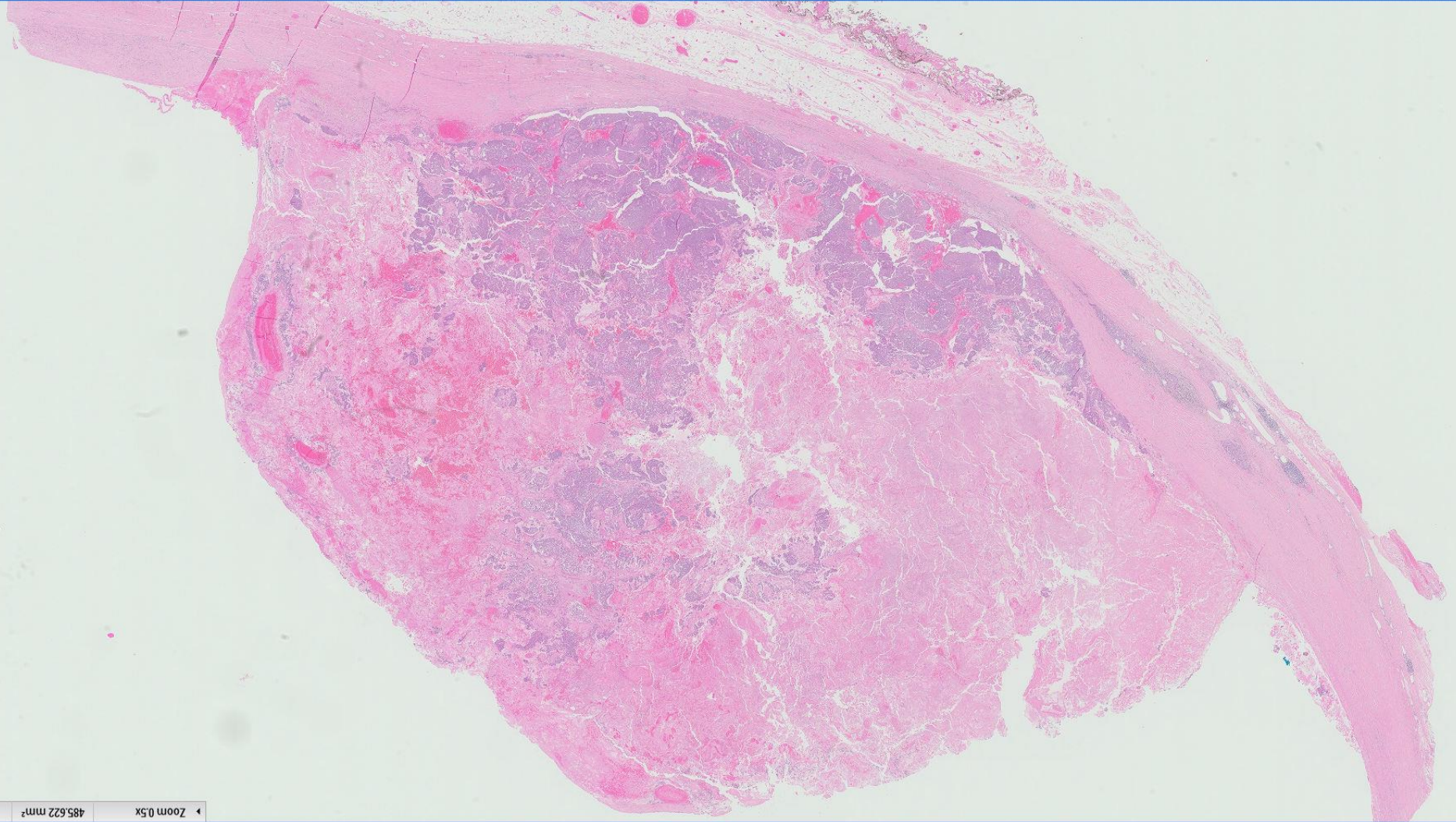
International Academy of Pathology  
Singapore Division

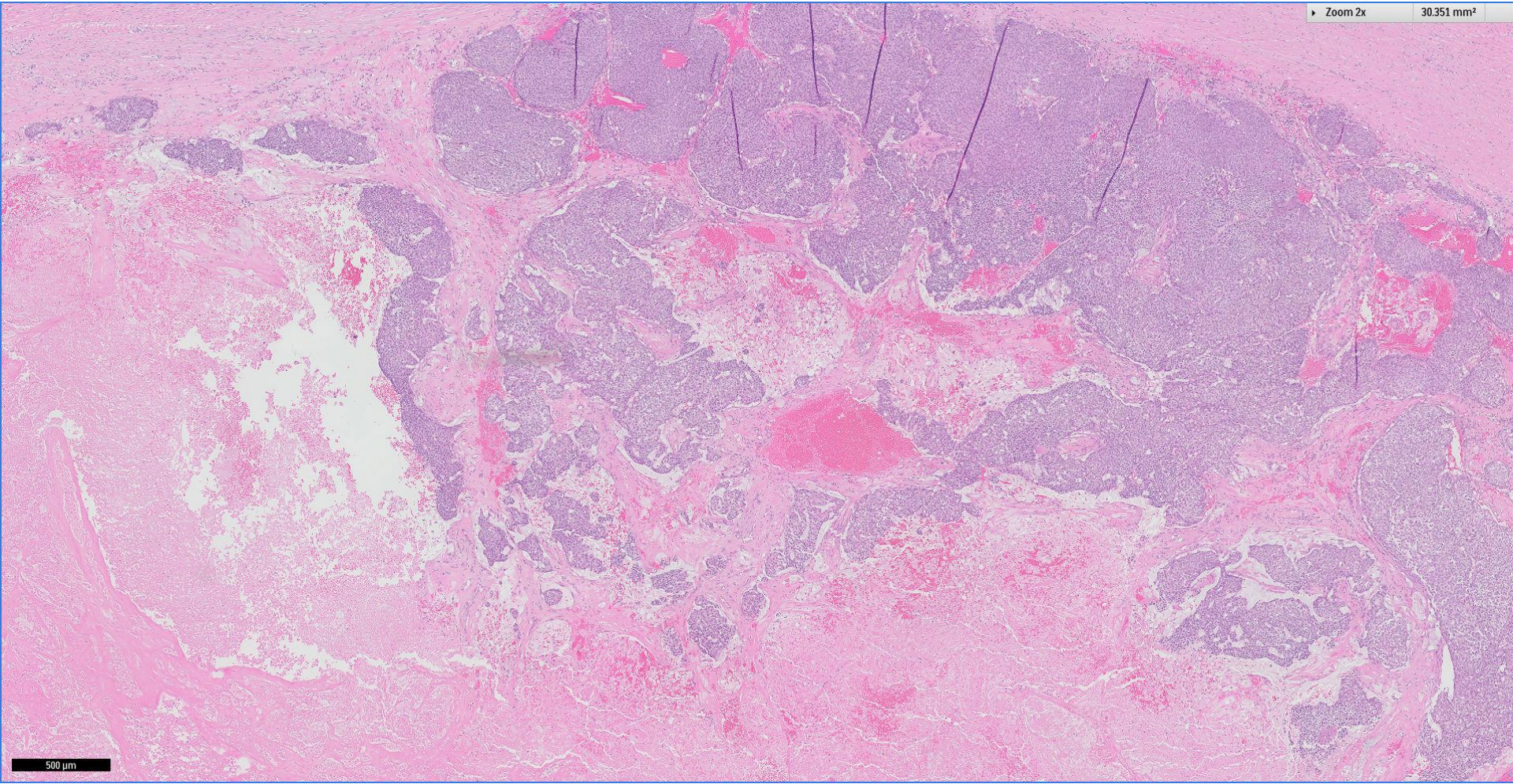






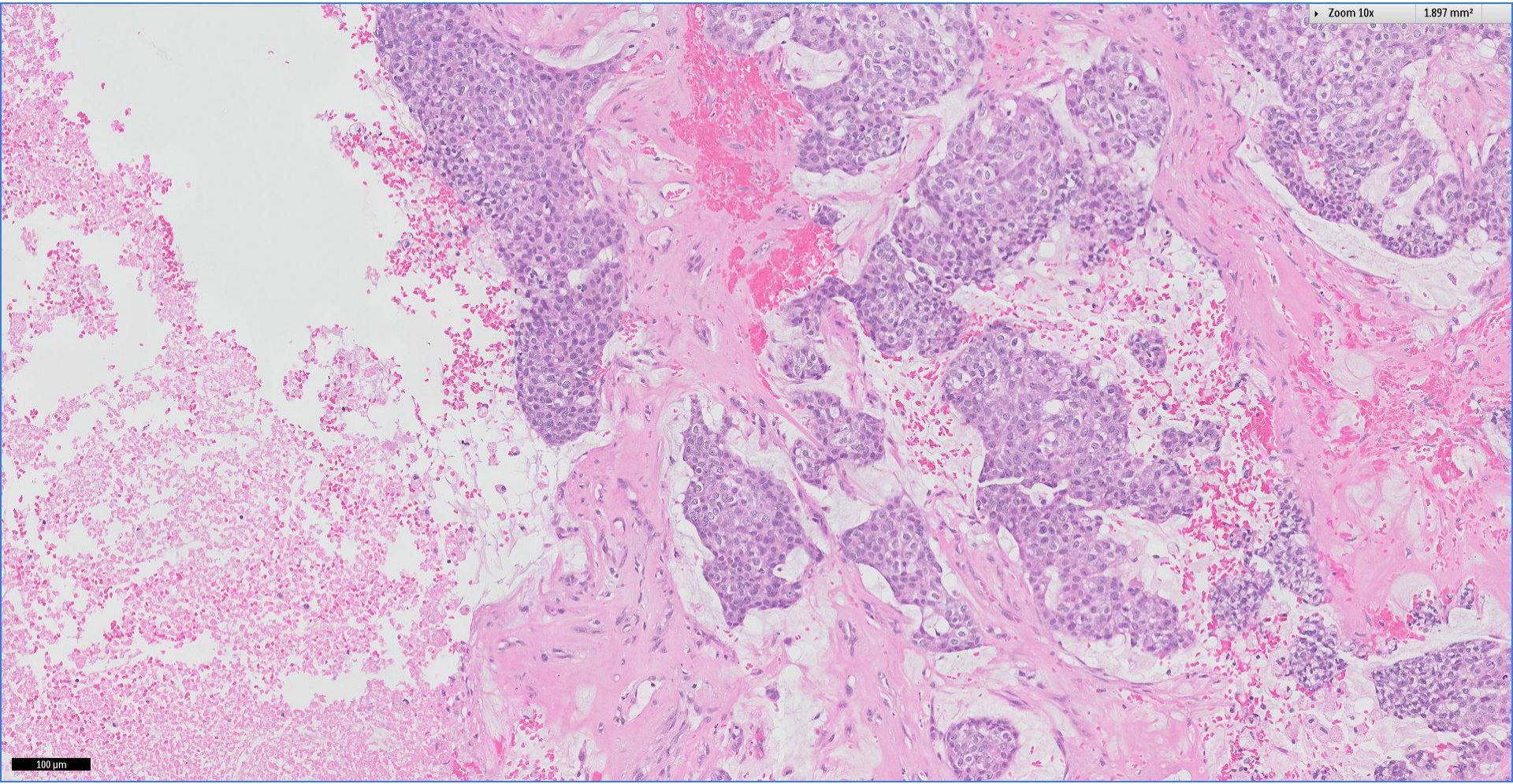
2 mm





Zoom 10x

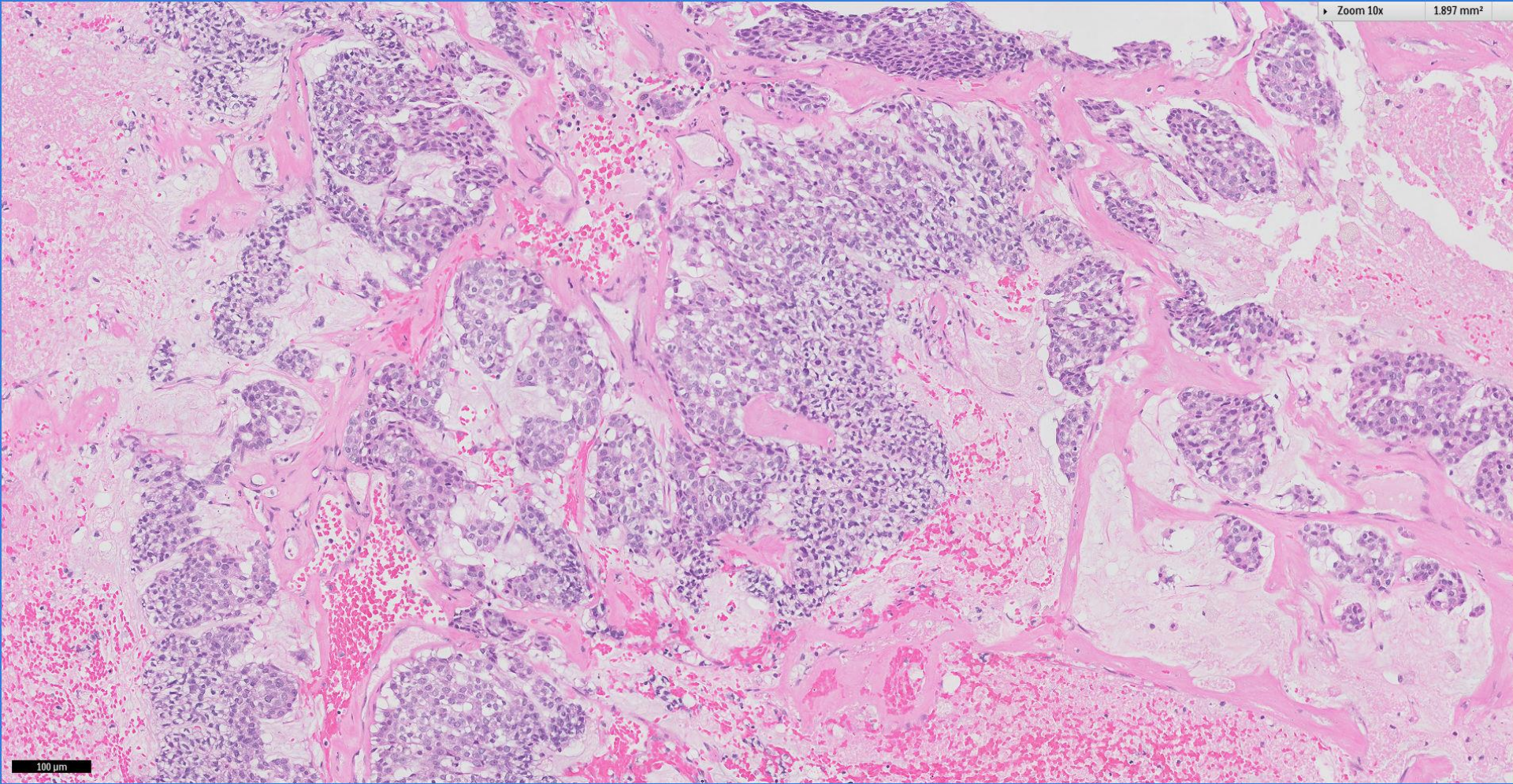
1.897 mm<sup>2</sup>



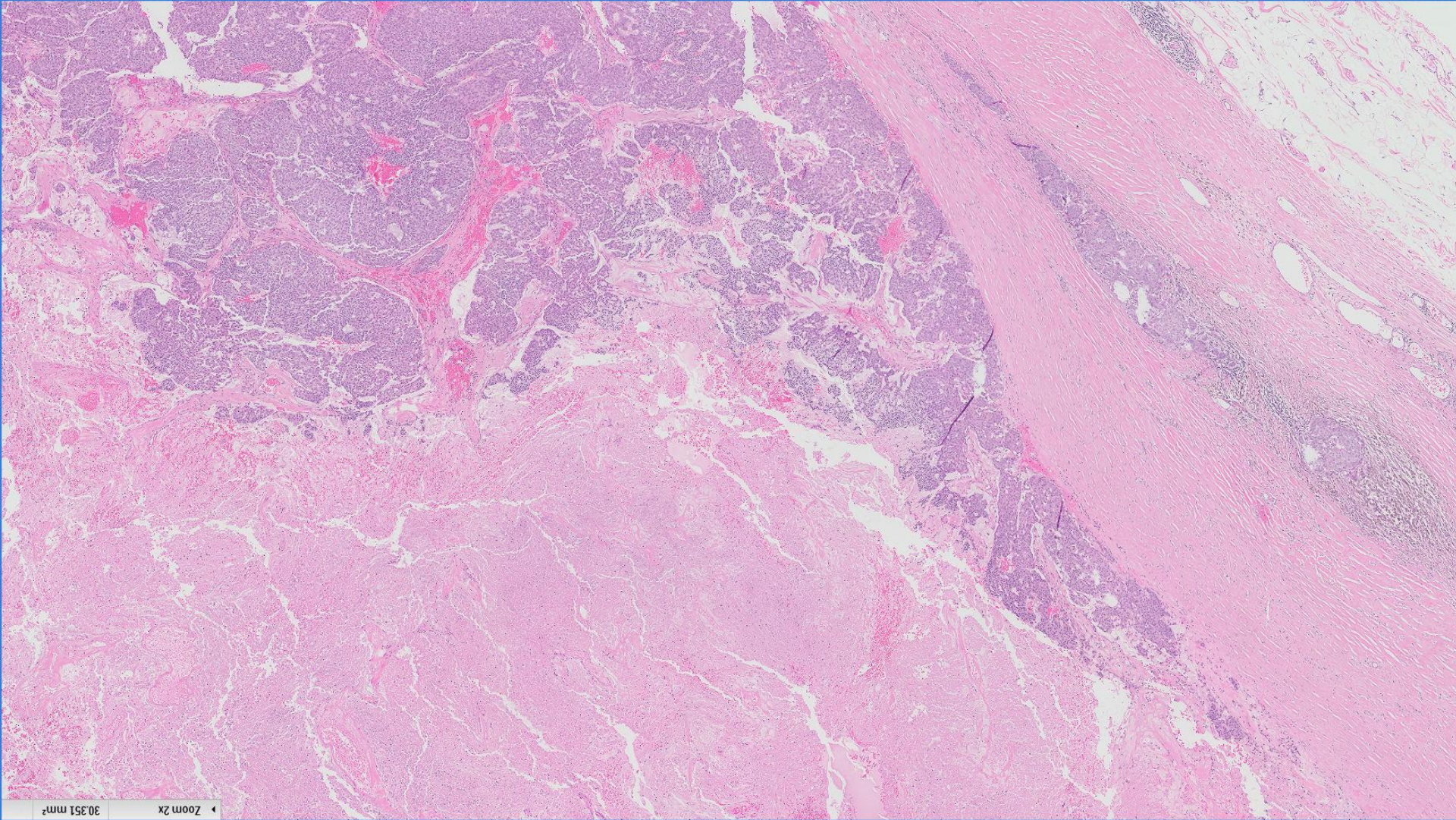
100 μm

Zoom 10x

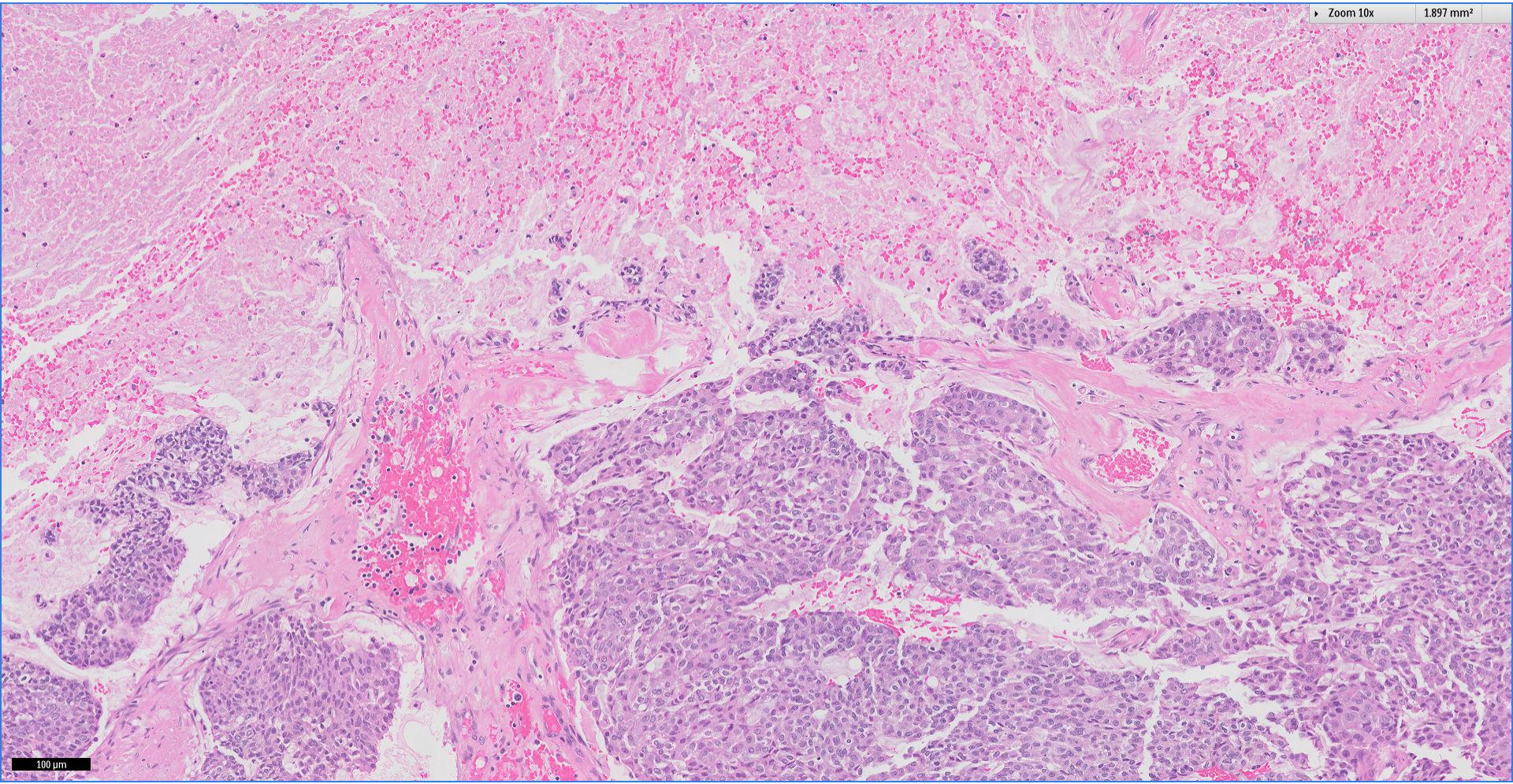
1.897 mm<sup>2</sup>



100  $\mu$ m

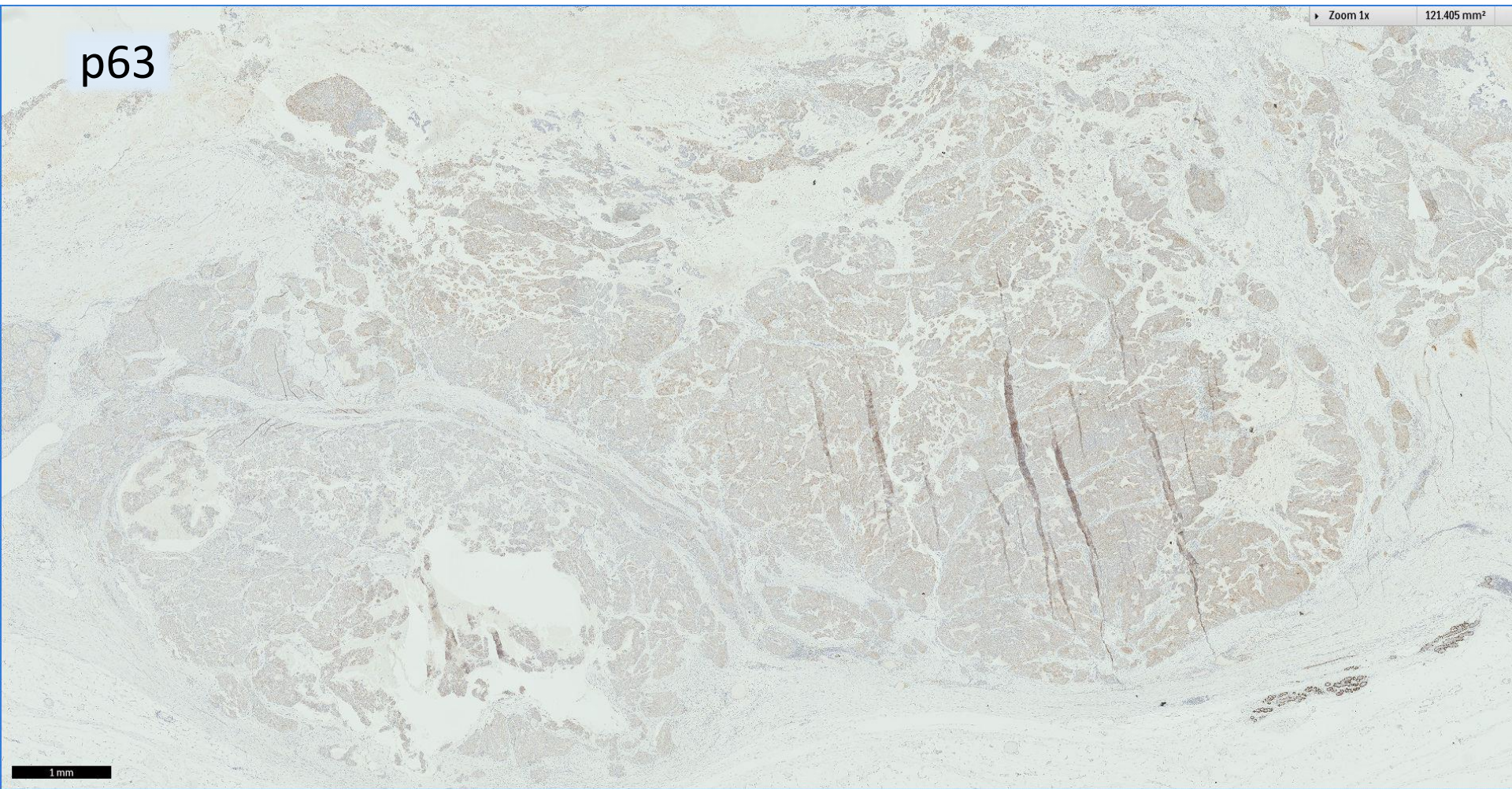






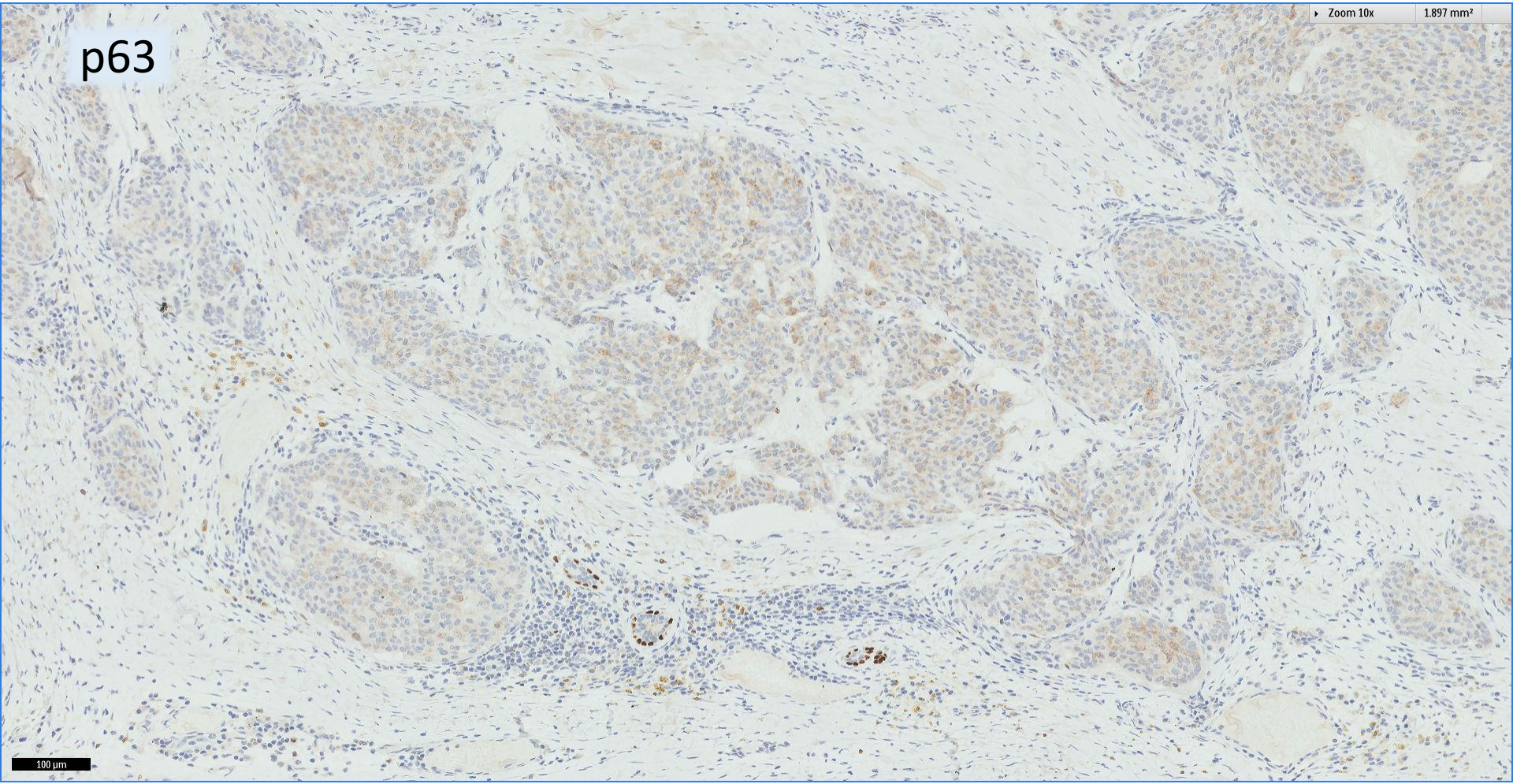
100  $\mu$ m

p63



1 mm

p63

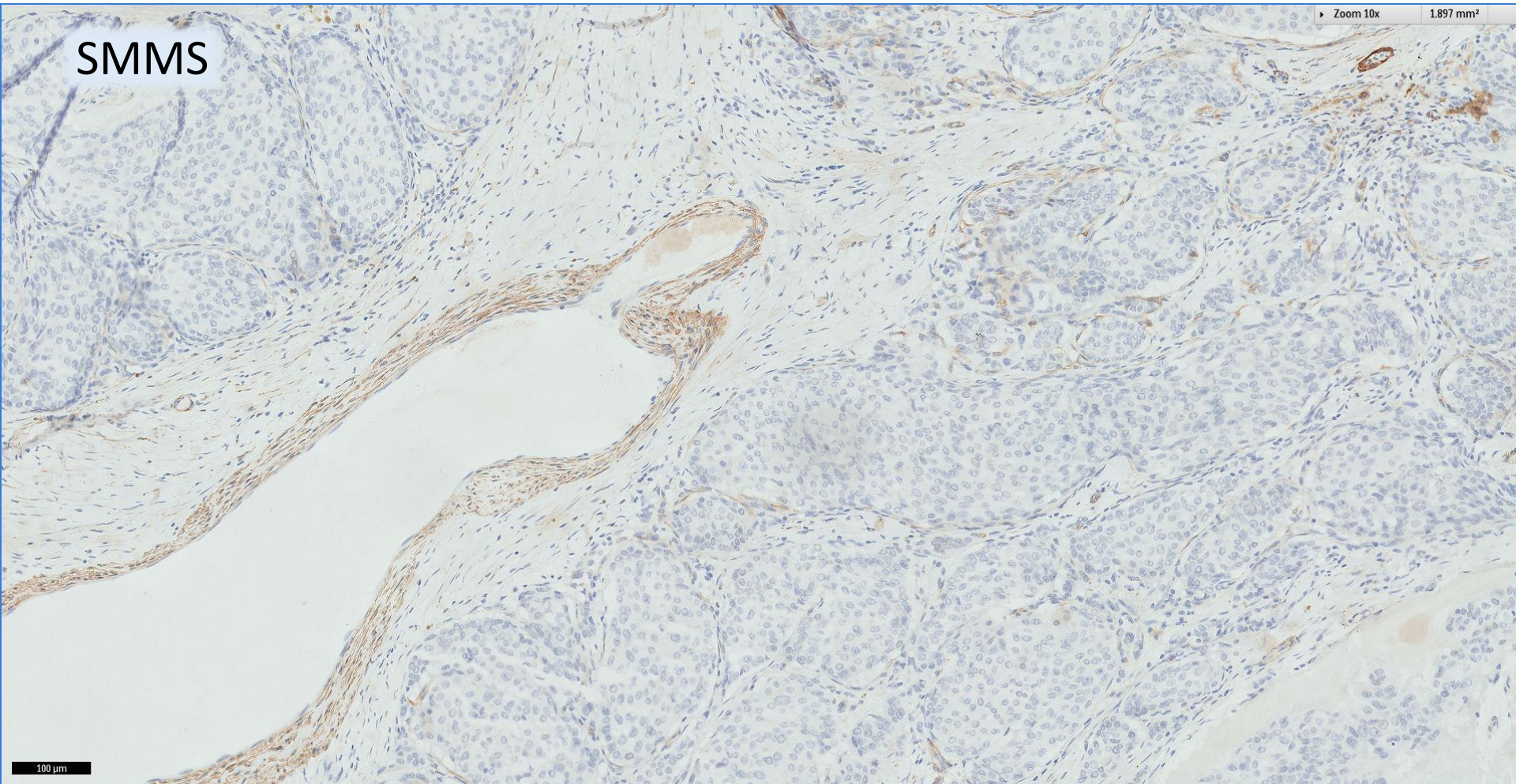


100 μm

SMMS

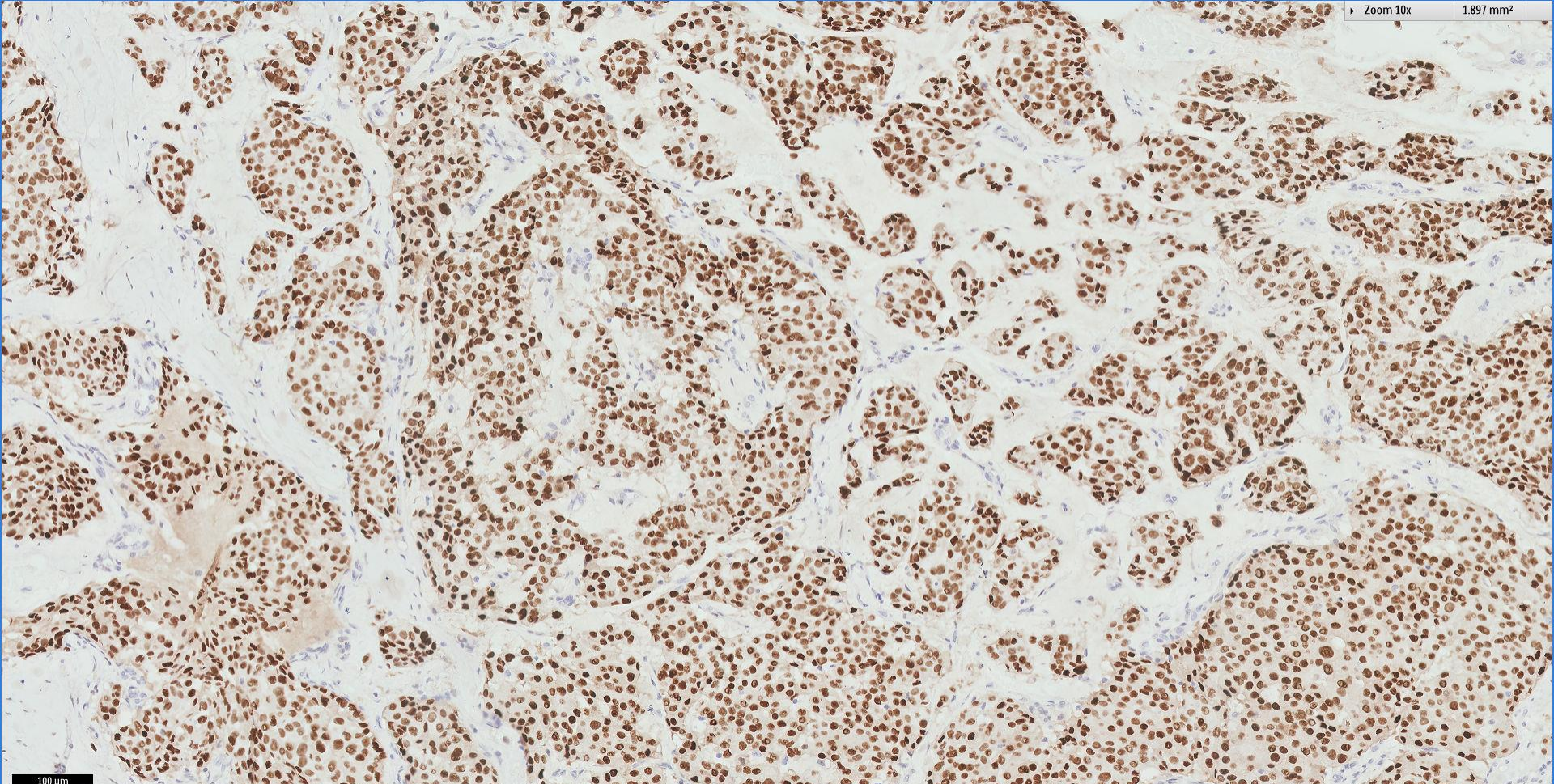
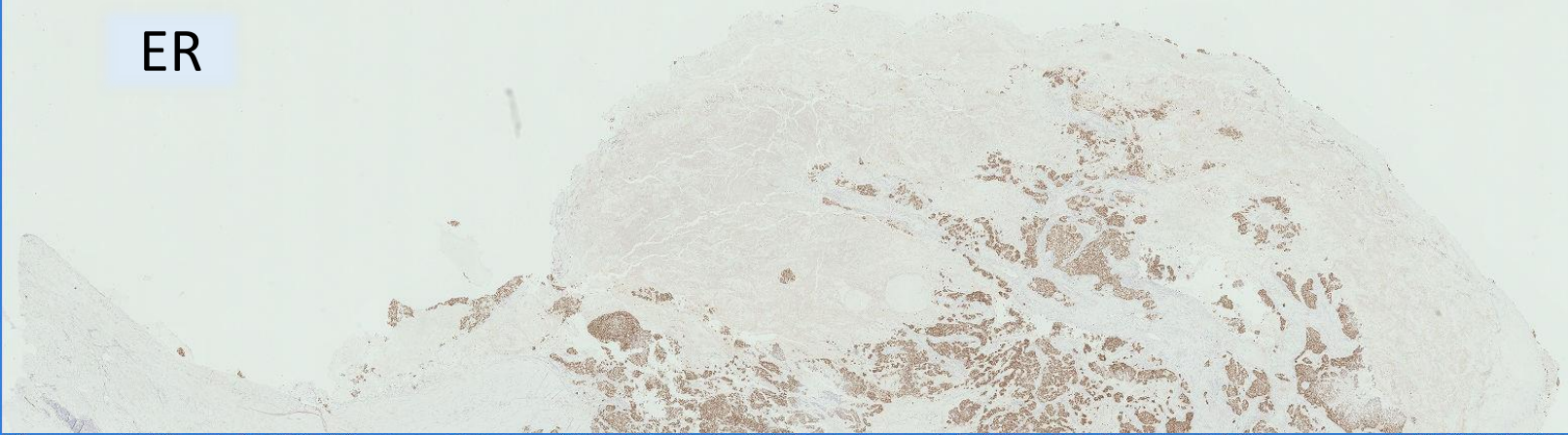
Zoom 10x

1.897 mm<sup>2</sup>



100  $\mu$ m

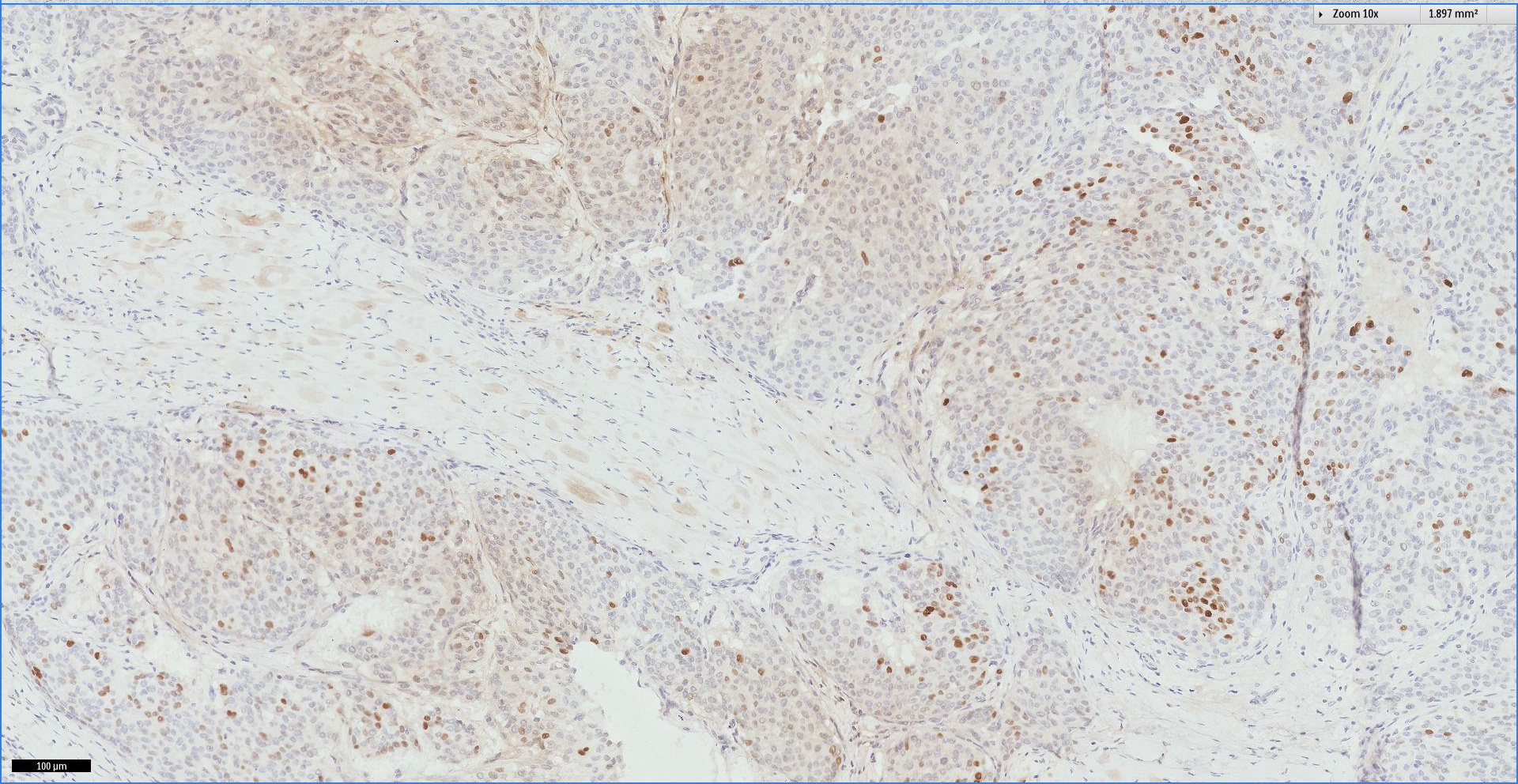
ER



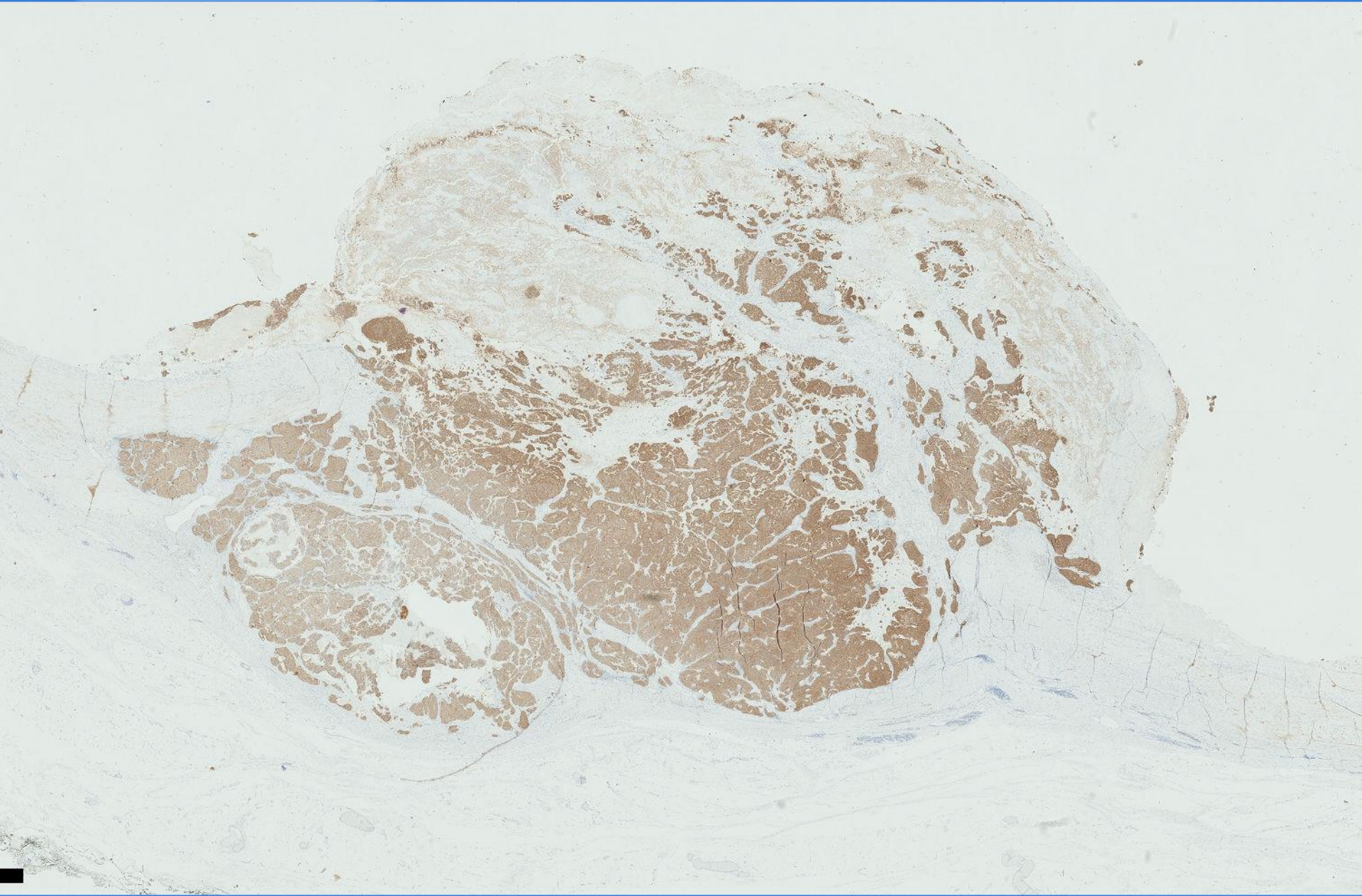
Zoom 10x 1.897 mm<sup>2</sup>

100 μm

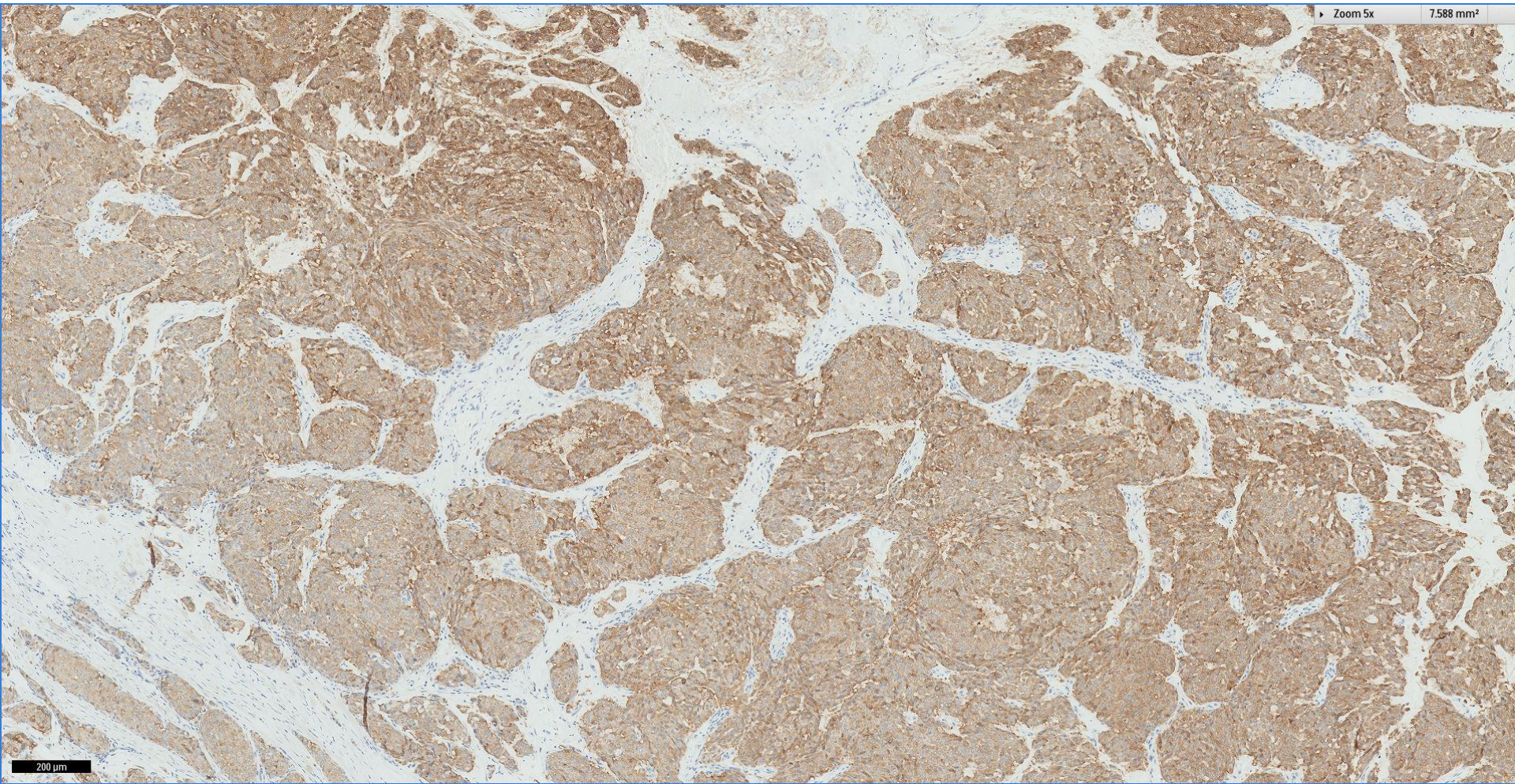
PR



# synaptophysin

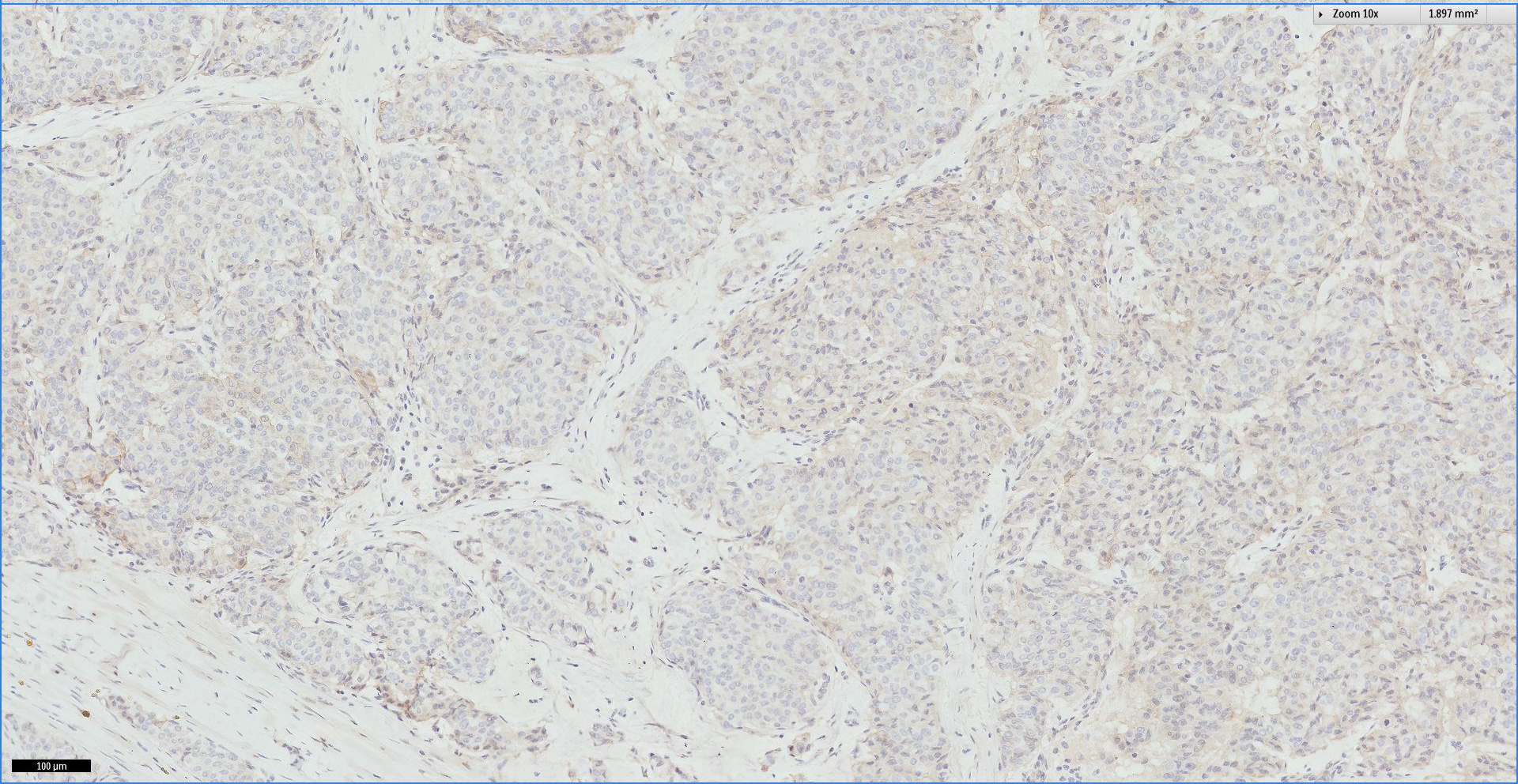
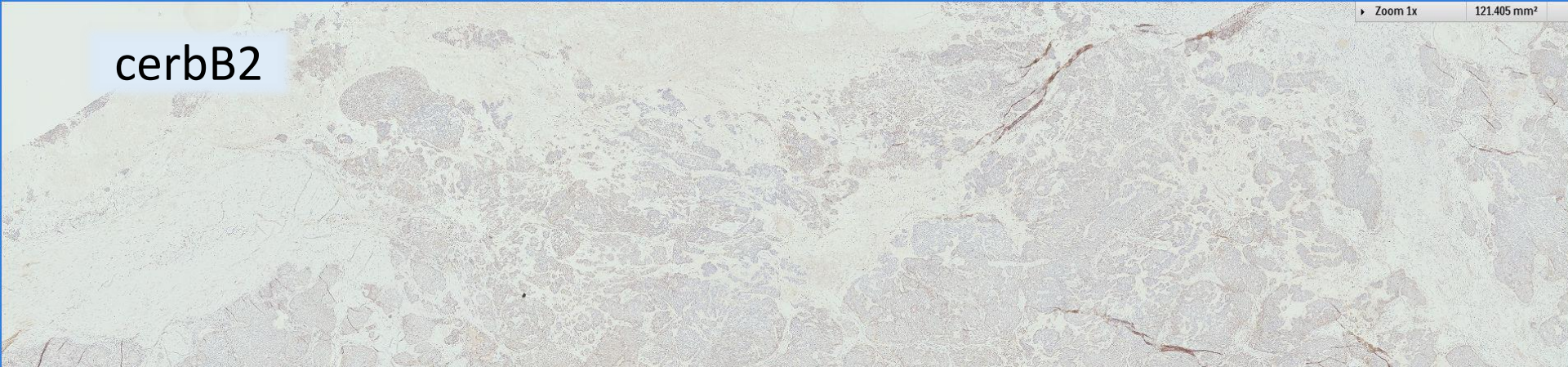


# synaptophysin





cerbB2



# Diagnosis

## Left breast retroareolar tumour ~

Extensively necrotic, invasive solid-papillary carcinoma with neuroendocrine features, grade 2.

ER positive, PR positive, cerbB2 negative.

Overall tumour size (inclusive of the cystic component) is 8cm.

Mural nodule is 2cm.



Singapore  
General Hospital

SingHealth

Division of Pathology



SingHealth DukeNUS  
ACADEMIC MEDICAL CENTRE

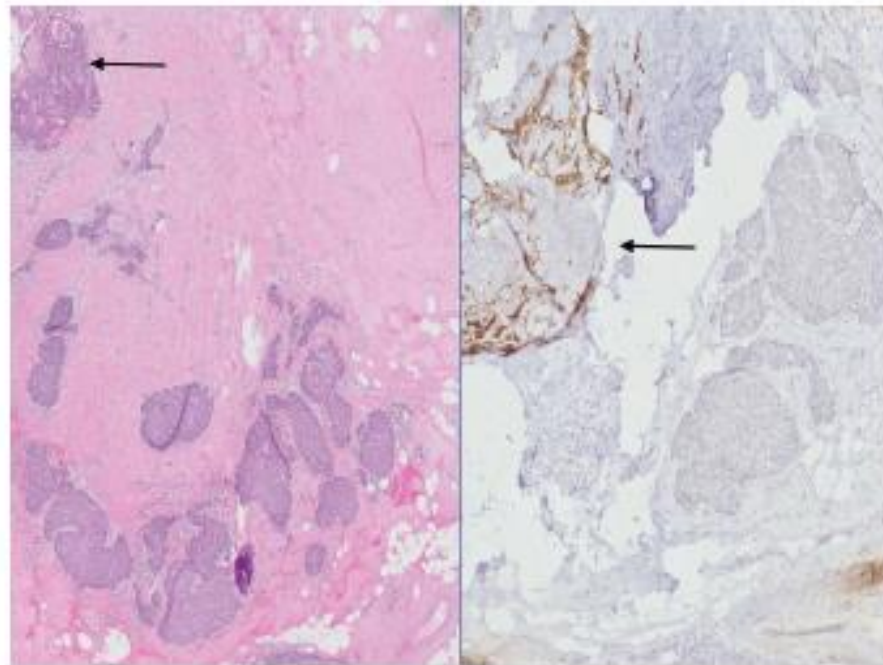
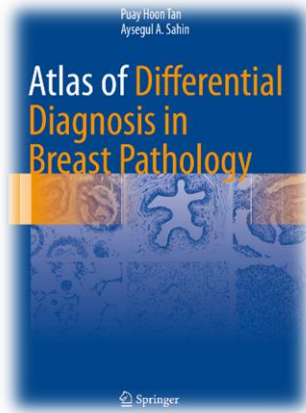
PATHOLOGY

IAP

International Academy of Pathology  
Singapore Division

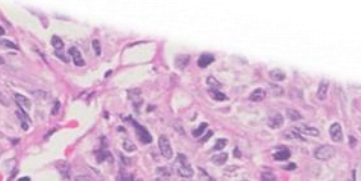
# Invasive solid-papillary carcinoma

- Invasive carcinoma with solid-papillary pattern.
- Tumour islands are irregular in outlines and occur as jigsaw puzzle-like pieces within desmoplastic stroma.



**Fig. 4.68** Invasive solid papillary carcinoma. (a) Solid tumour islands with angulated and irregular outlines are seen within the fibrous stroma. The tumour nests have a jigsaw puzzle-like appearance. (b) Immunohistochemistry with CK5/6 shows no myoepithelial rimming of the tumour islands, confirming absence of myoepithelial cells, and

corroborating the diagnosis of invasive disease. Absence of myoepithelial cells alone should not be regarded as diagnostic of invasion, as rounded islands of solid papillary carcinoma with smooth contours are considered in situ disease, even when myoepithelial cells are absent. An in situ solid papillary carcinoma component is present (*arrows*)



 Breast  
Pathology  
Course 2017

