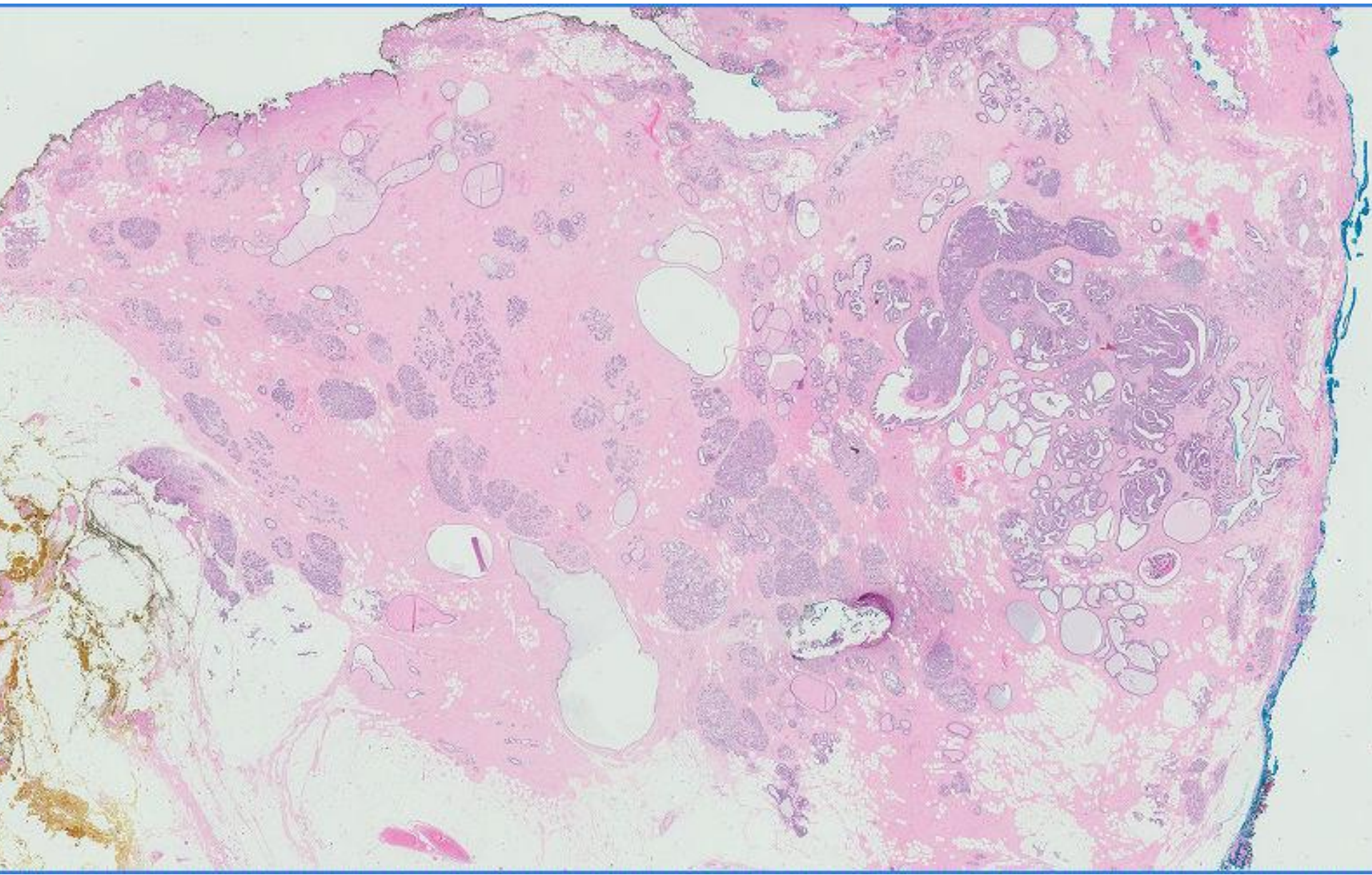
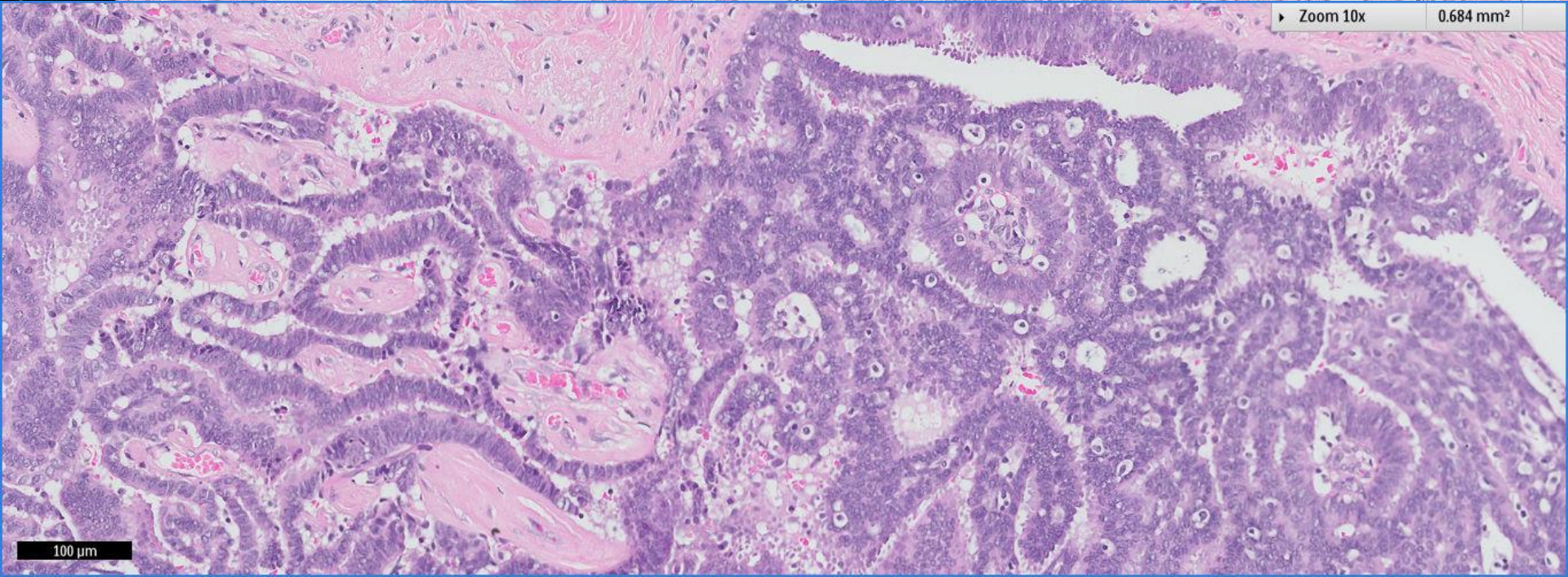
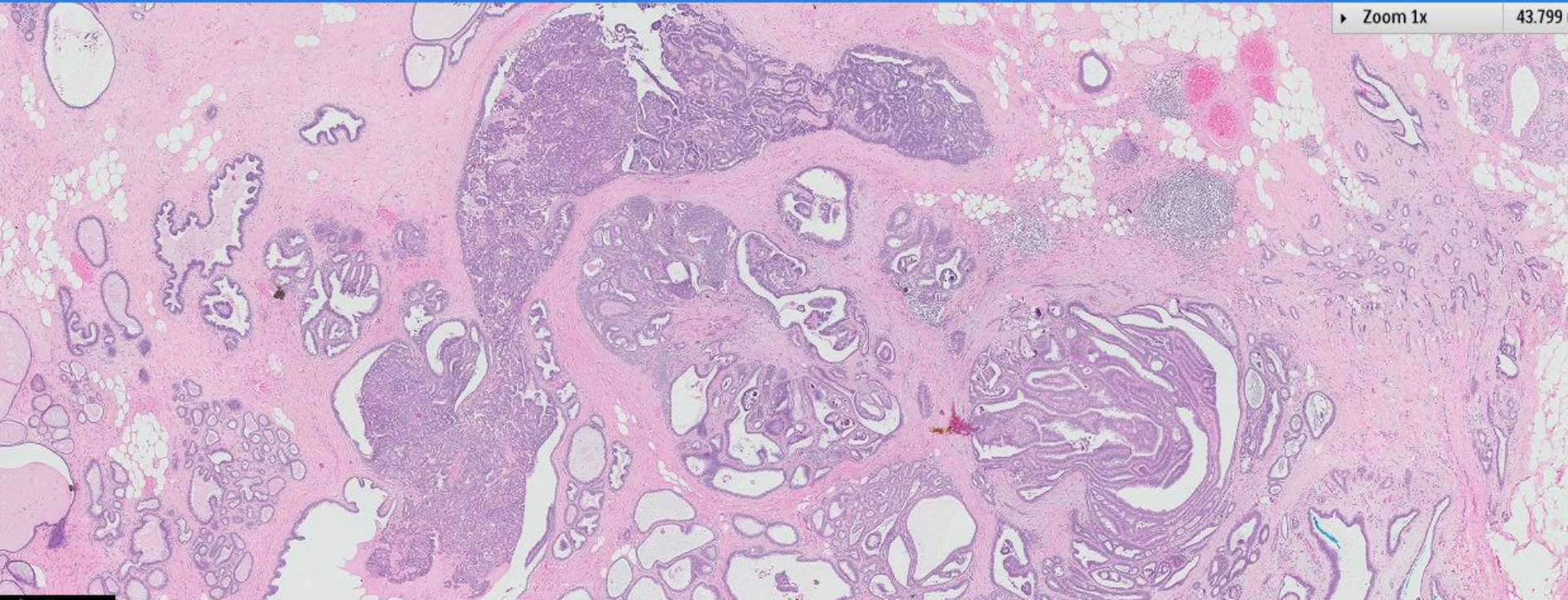


## Case 7

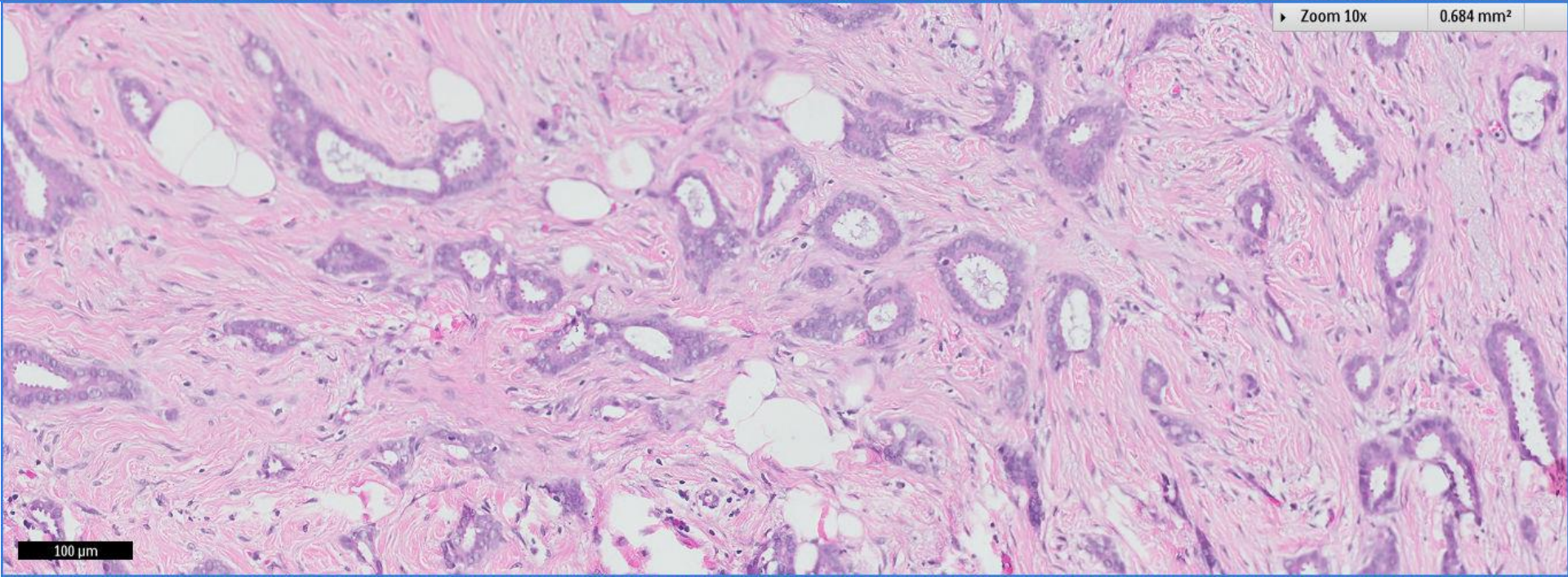
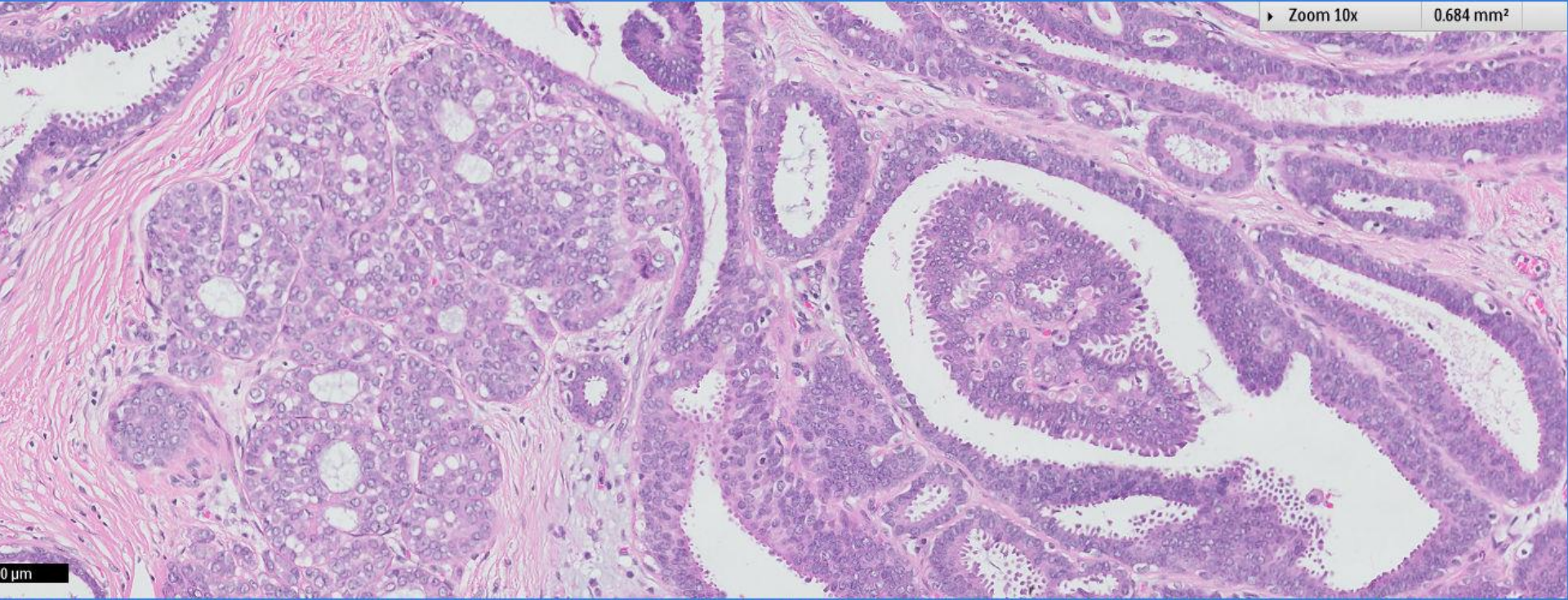
46 year old woman was discovered to have right breast microcalcifications on mammography.

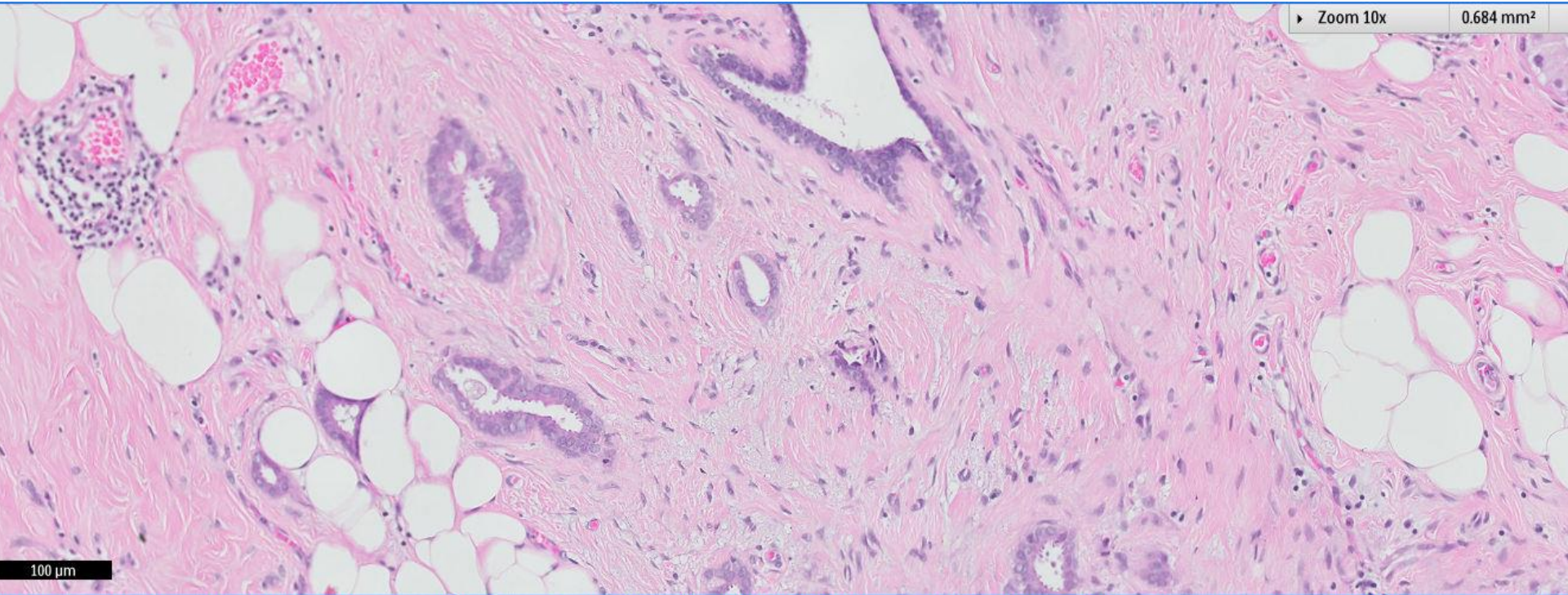
A hookwire localization excision biopsy was performed.



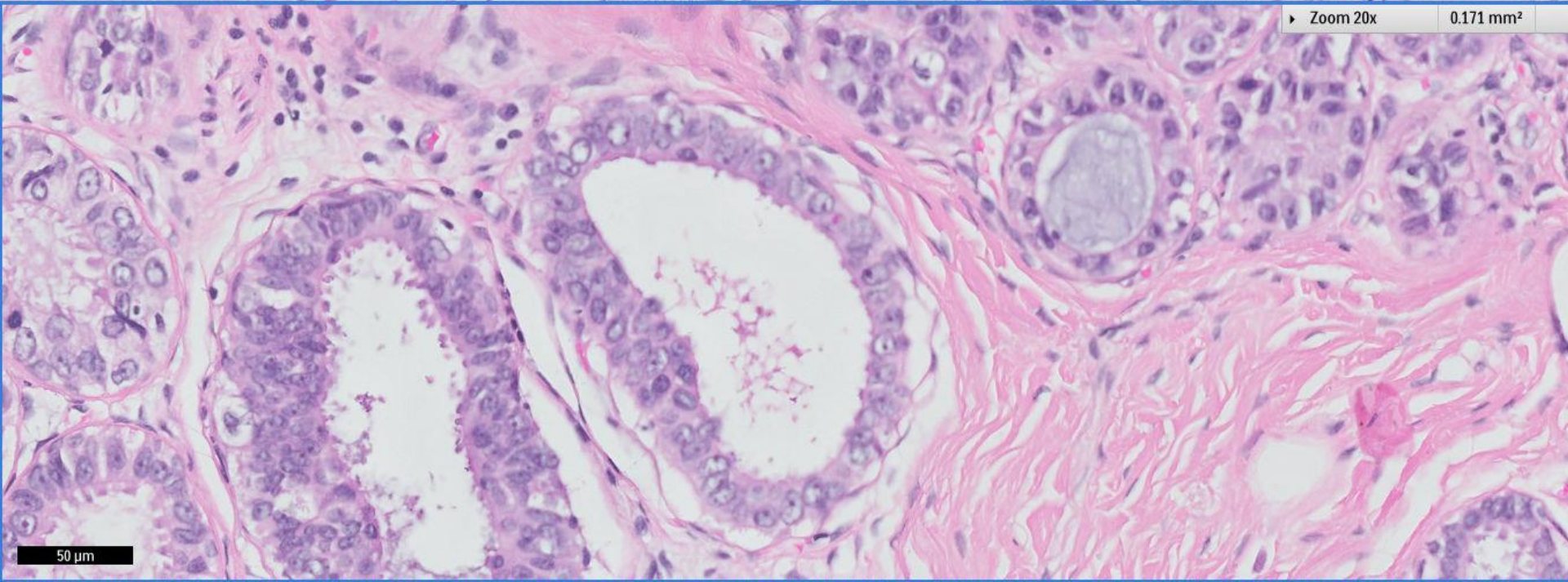


100 μm





100  $\mu$ m

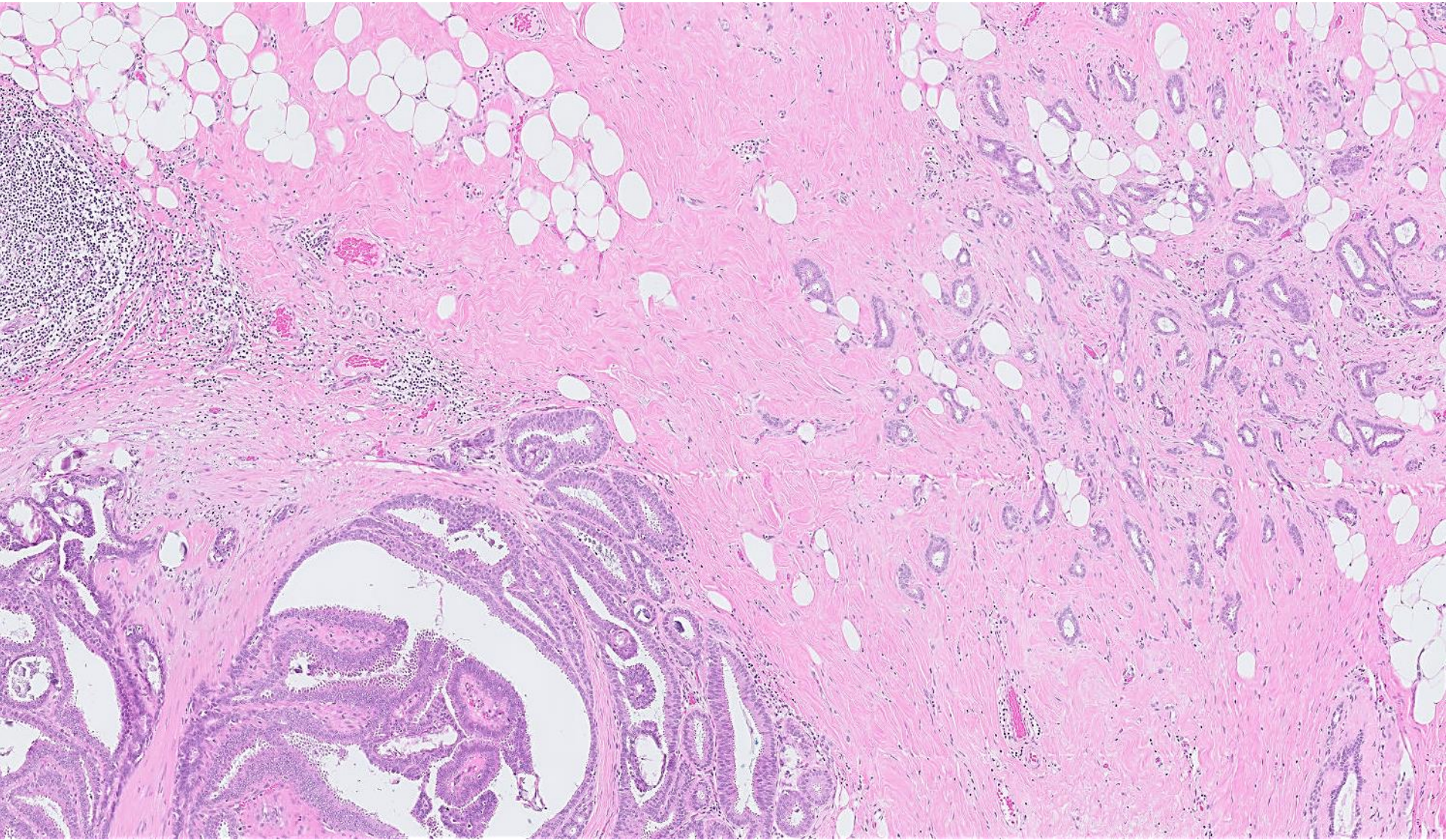


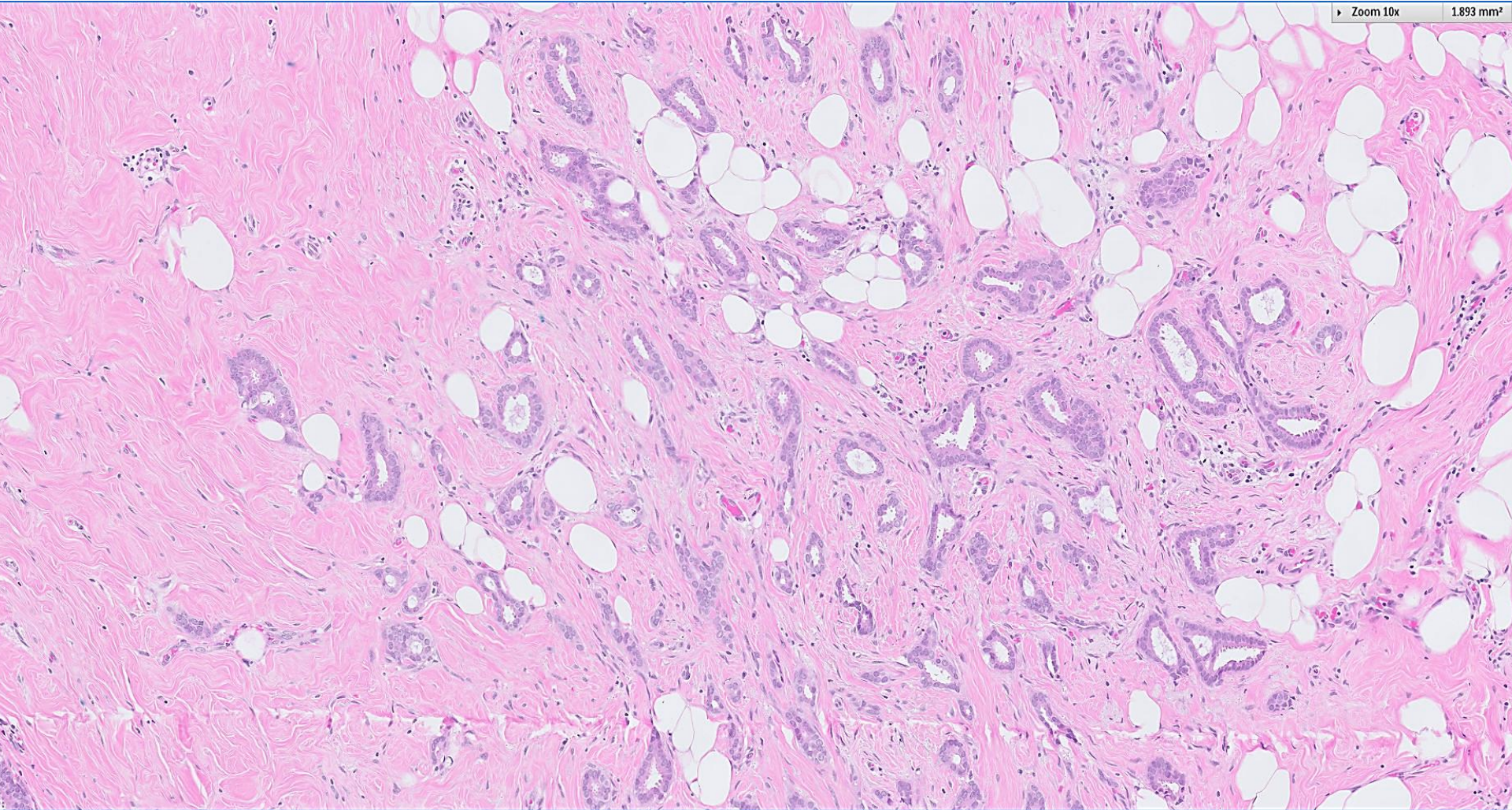
50  $\mu$ m



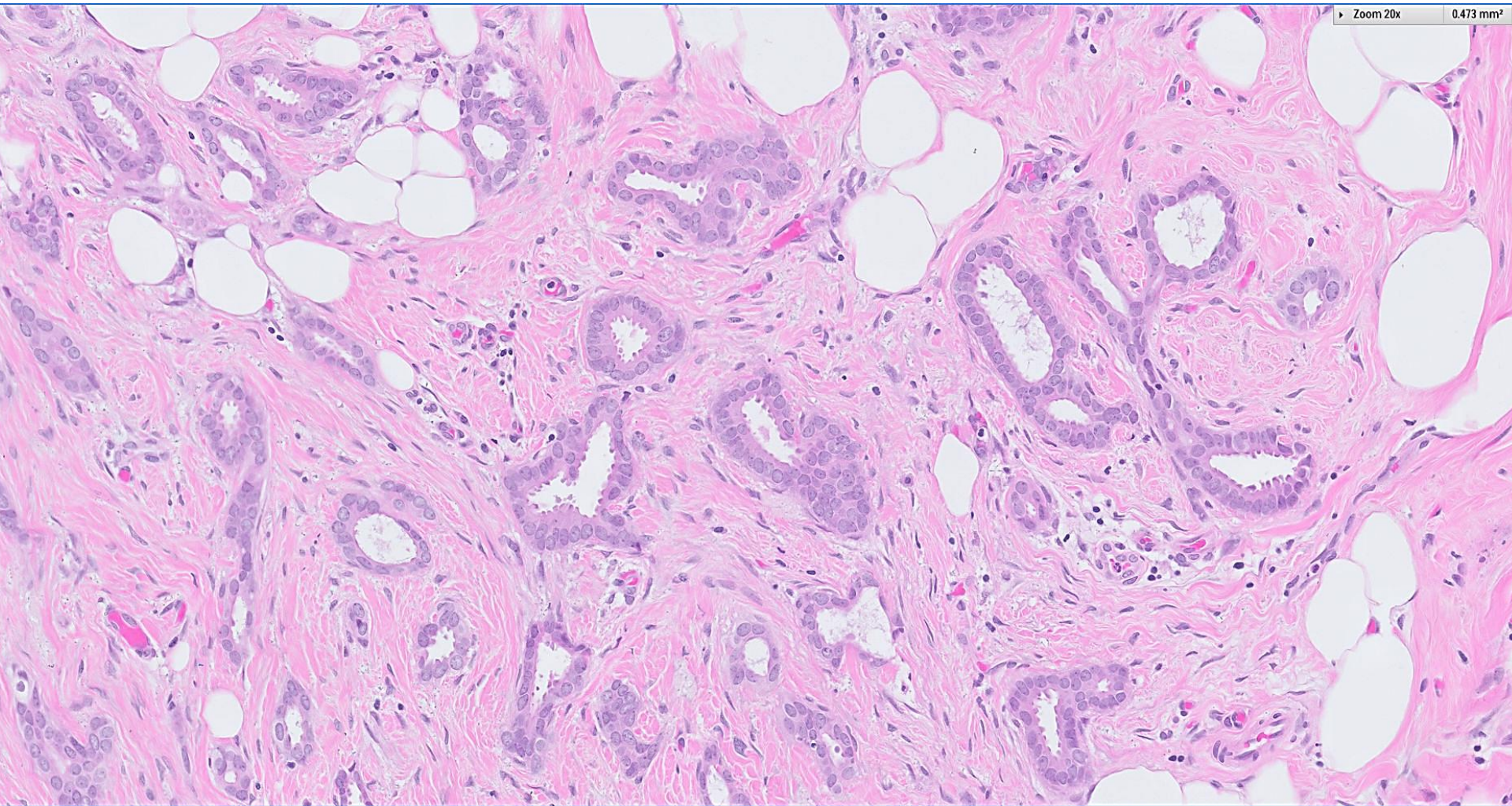
*Chinese New  
Year 2016*

*Year of the  
Red Fire  
Monkey*

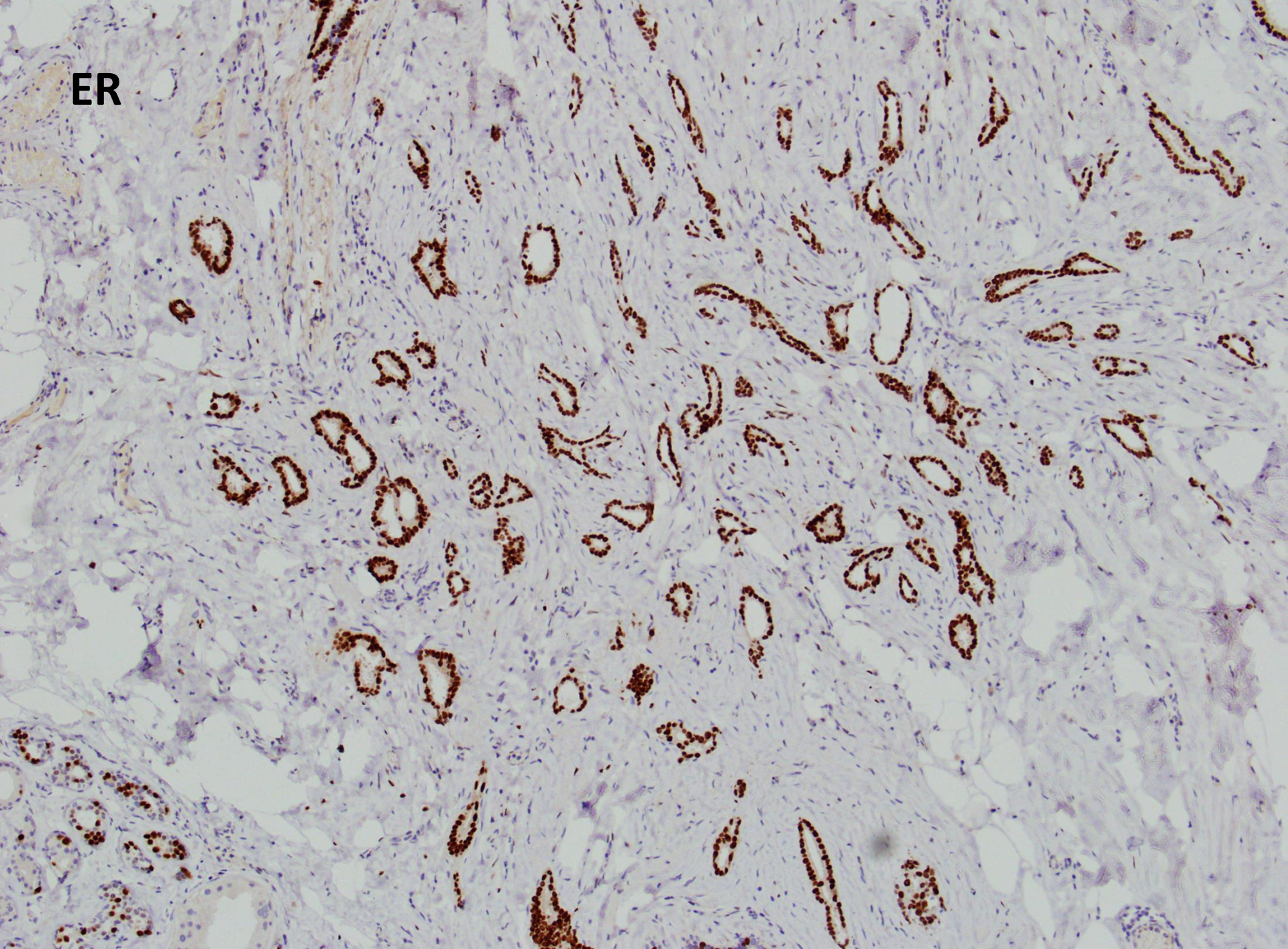


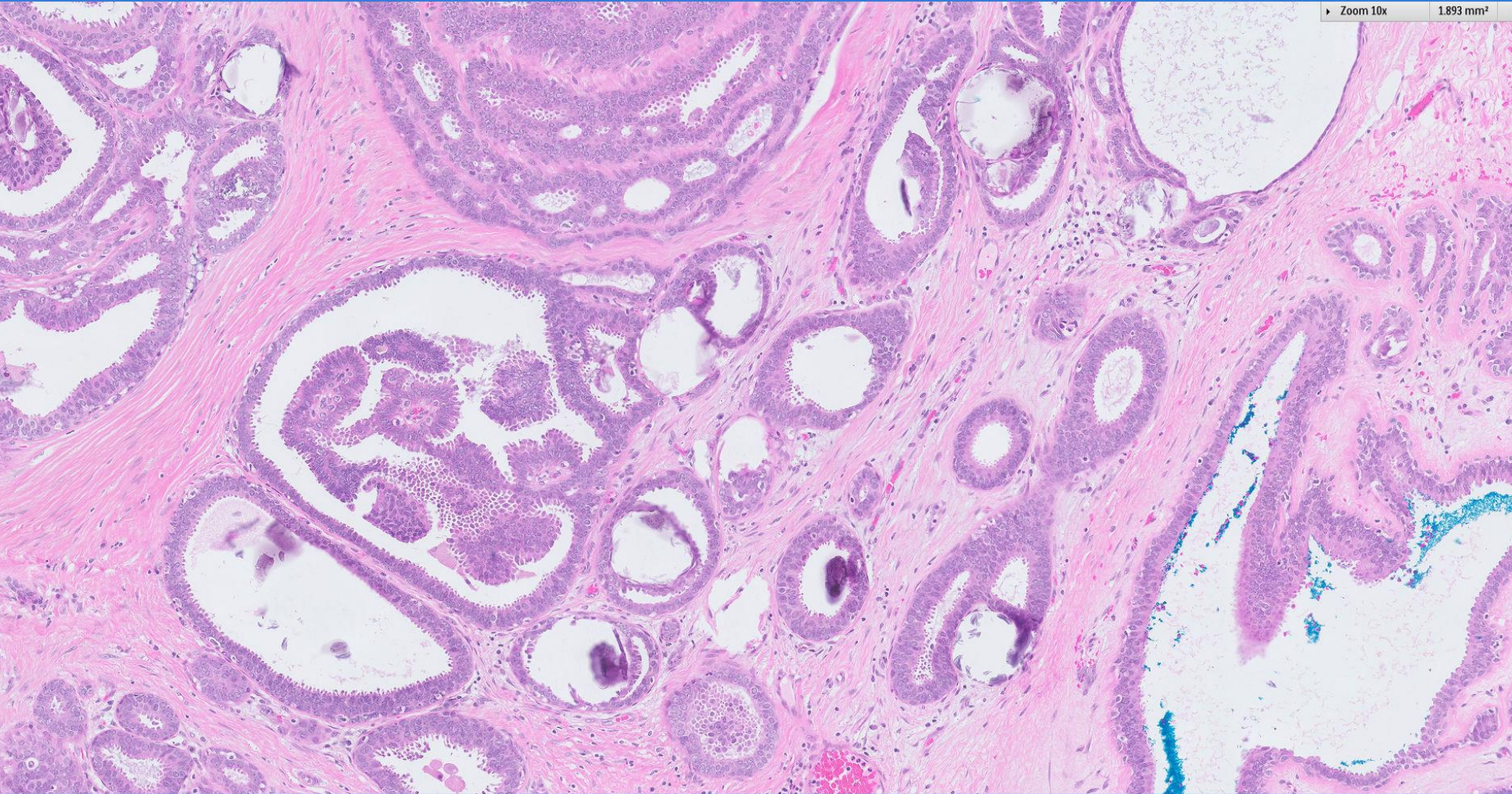


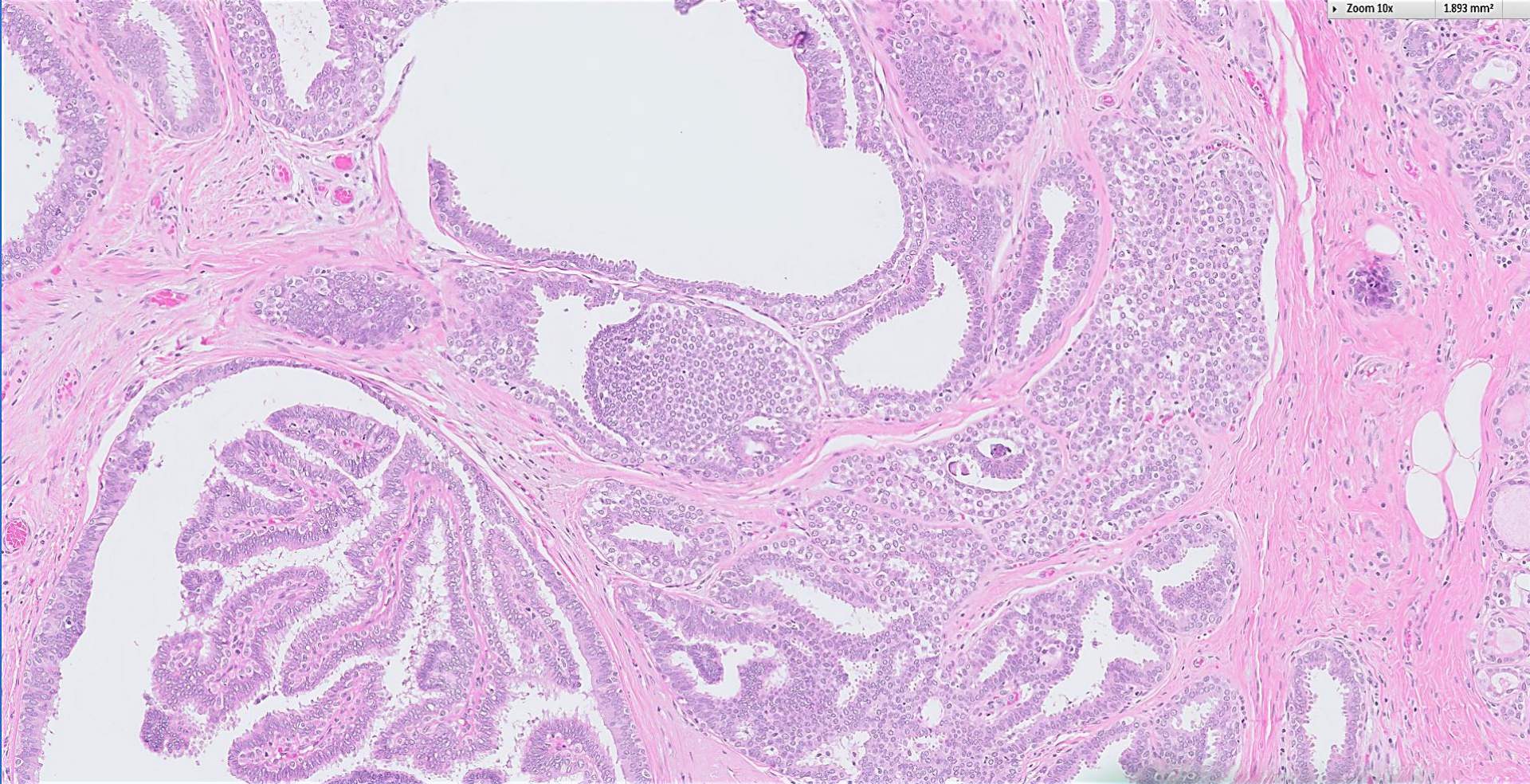




ER







# Diagnosis

Right breast microcalcifications, hookwire localization excision biopsy ~

- ***Invasive tubular carcinoma, grade 1, 2mm.***

***ER positive, PR positive, cerbB2 negative.***

- ***Ductal carcinoma in situ, predominantly papillary pattern with low nuclear grade, with calcifications, without necrosis, estimated size 15mm.***

- ***Lobular neoplasia.***

# Low grade breast neoplasia

## Family of lesions:

- Lobular neoplasia (lobular carcinoma *in situ* and atypical lobular hyperplasia).
- Atypical ductal hyperplasia.
- Flat epithelial atypia.
- Low grade DCIS.
- Low grade invasive carcinomas including tubular carcinoma.

'Low nuclear grade breast neoplasia family' *Am J Surg Pathol* 2008  
*Apr;32(4):513-23.*

 Breast  
Pathology  
Course 2016



*Pathology Building 1958-2013, by Ong Kim Seng*