

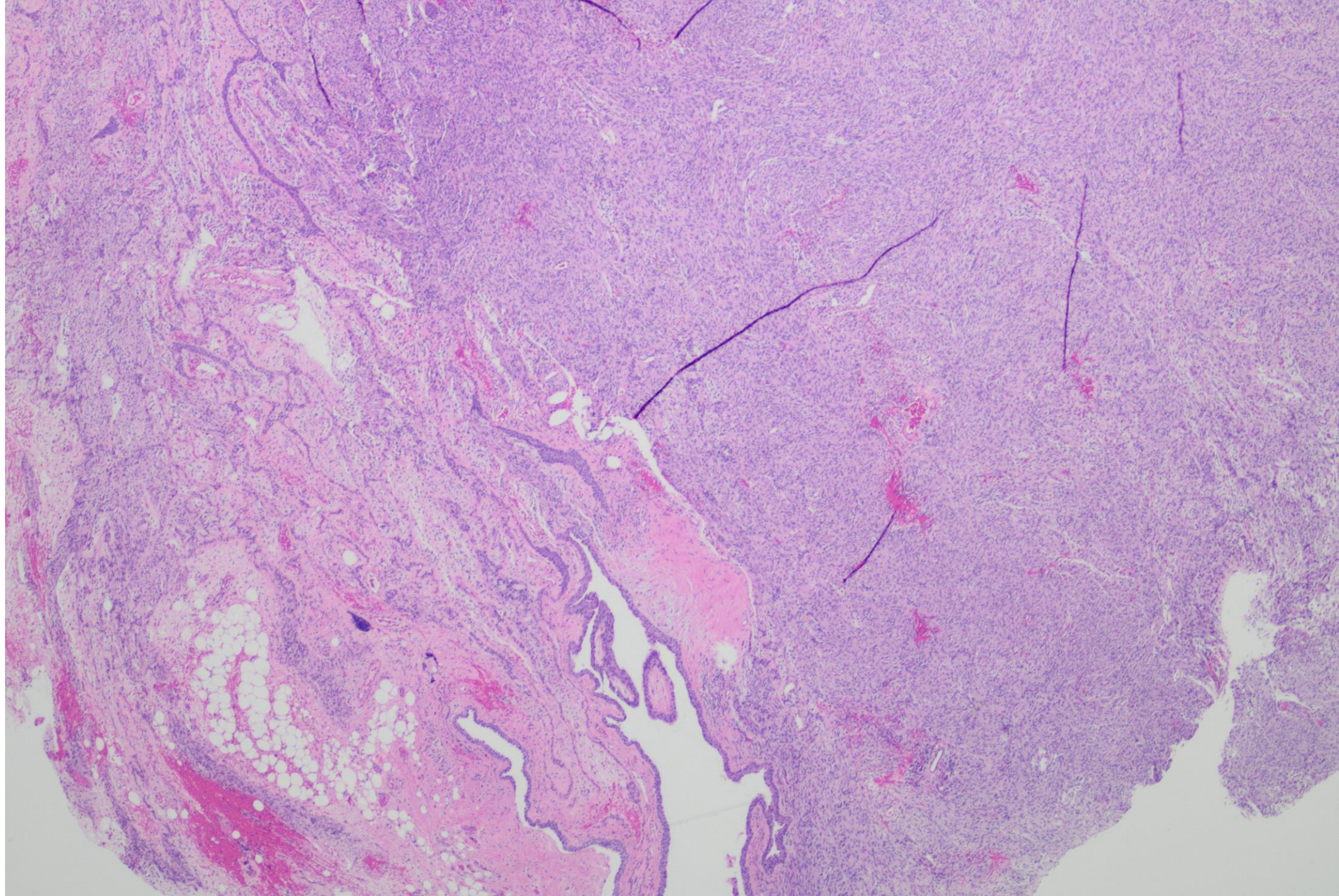
South Bay Pathology Society

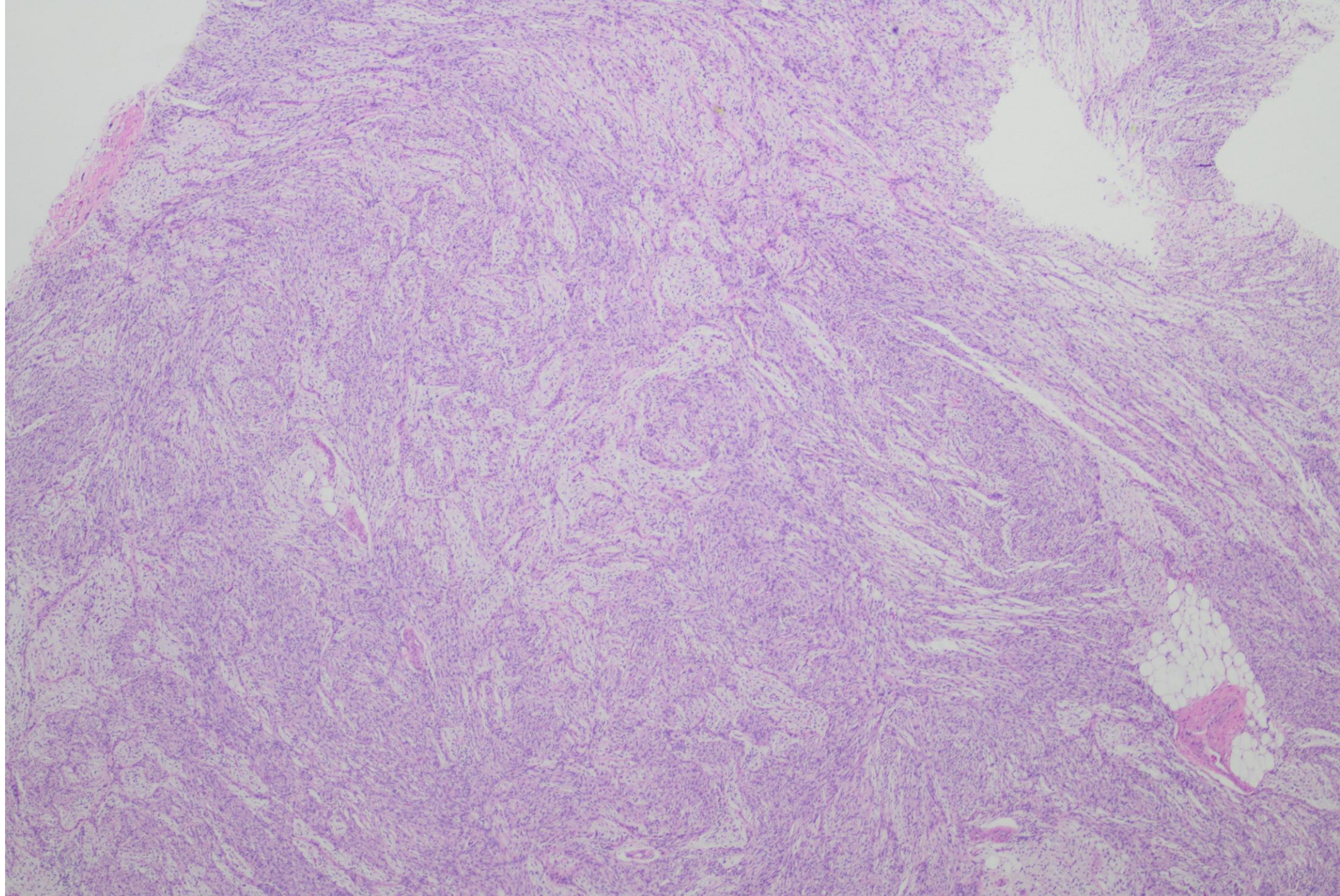
June 2025 Web cases

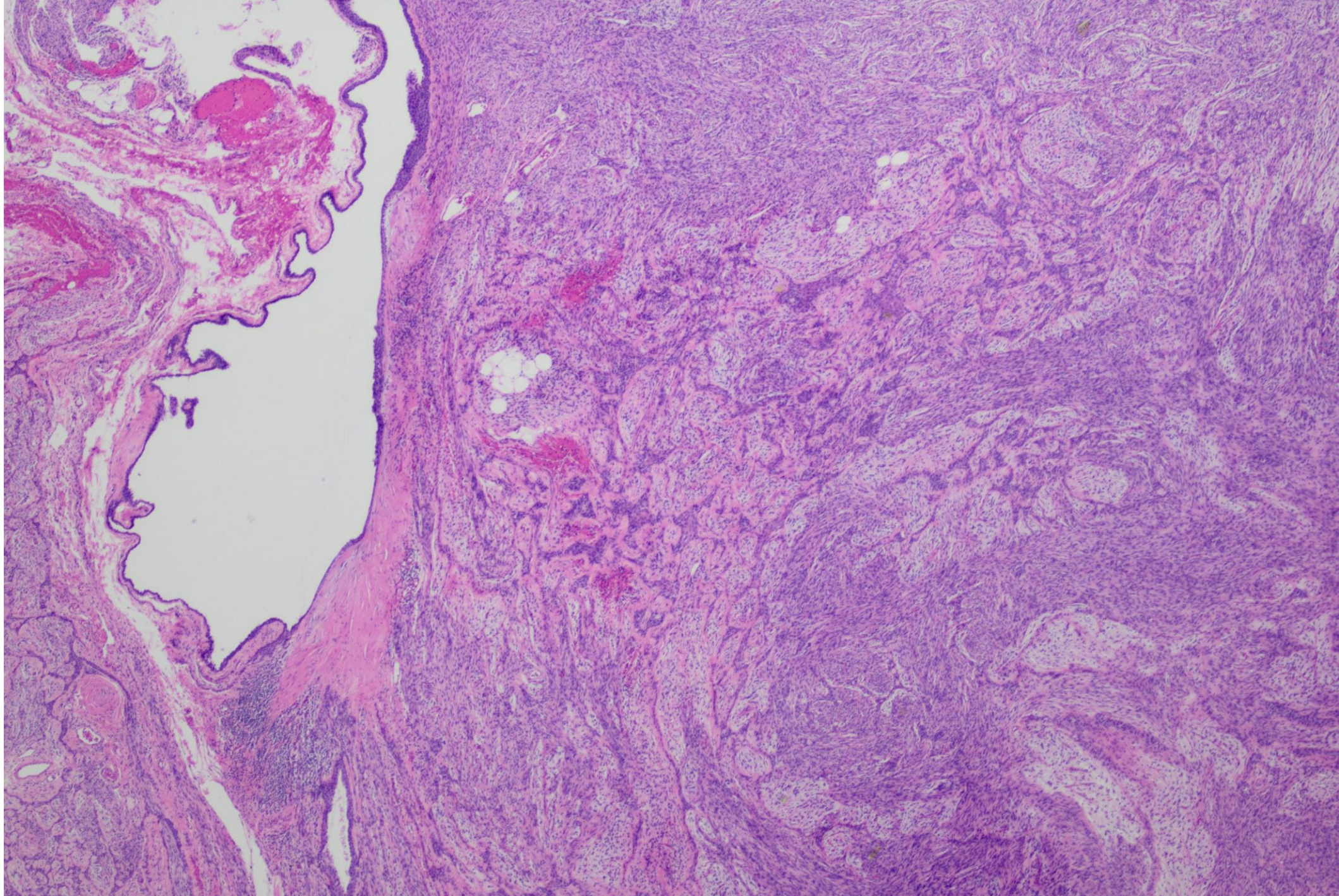
25-0601

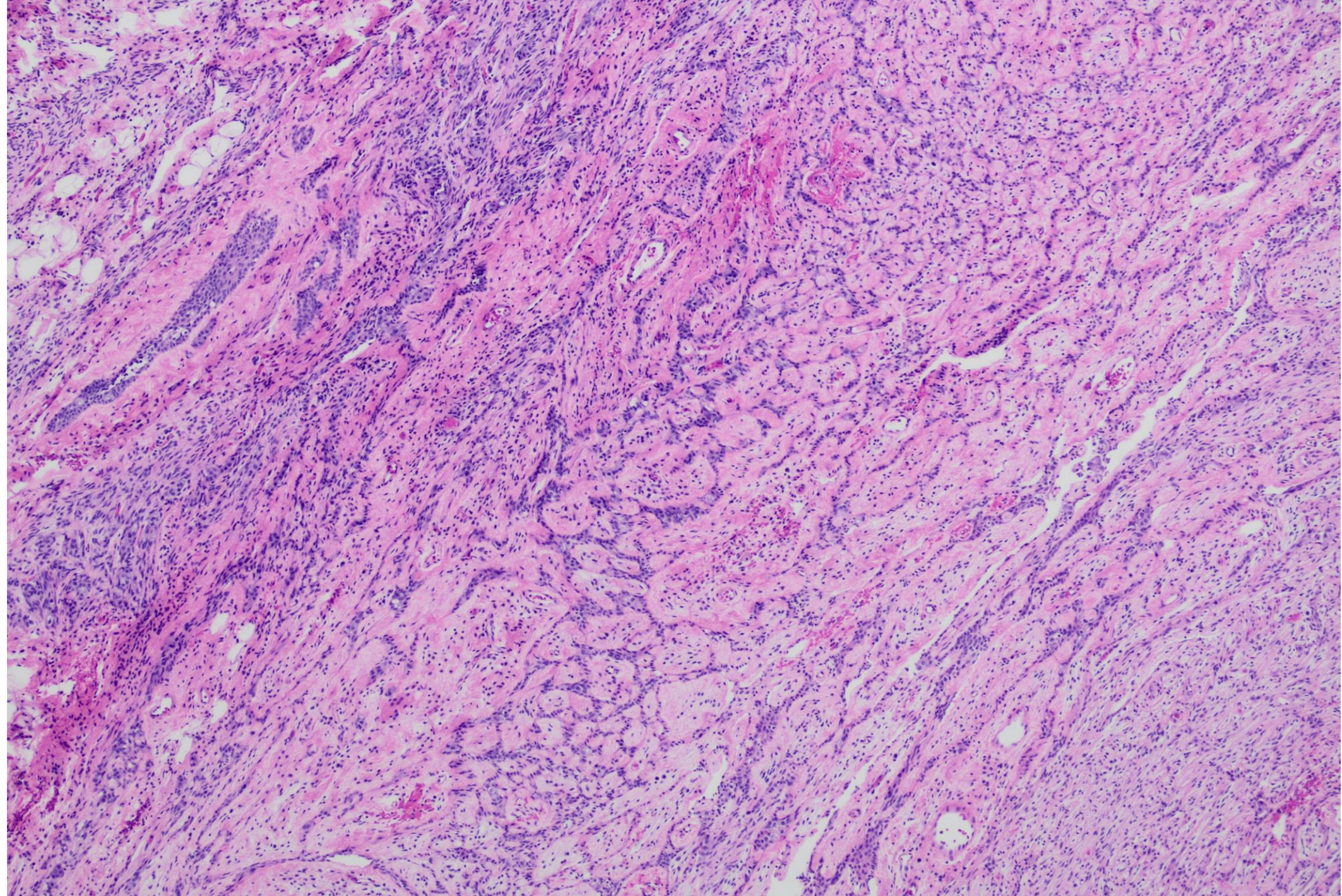
Armen Khararjian; Kaiser Walnut Creek

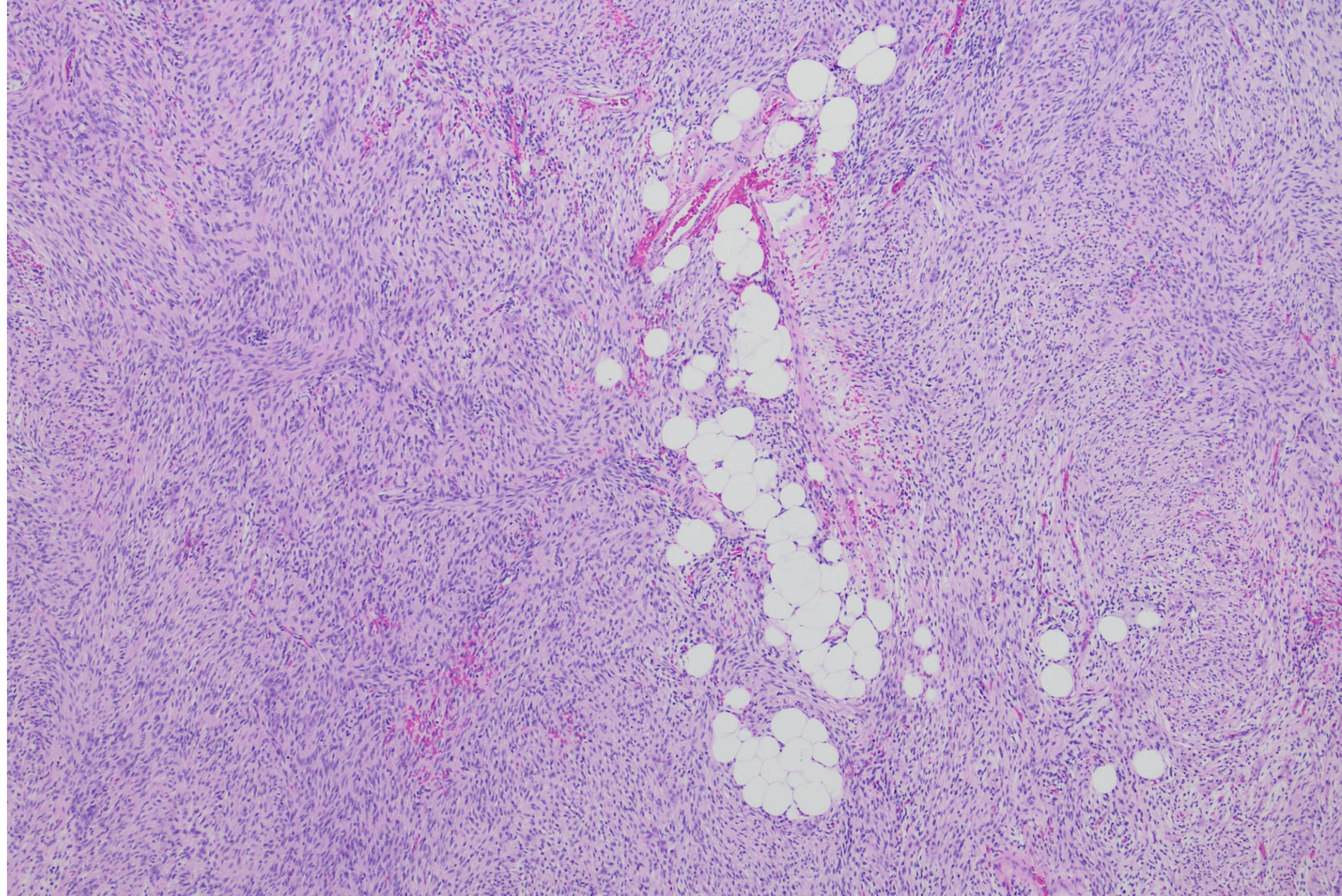
Middle aged woman with a 3 cm clavicular neck mass

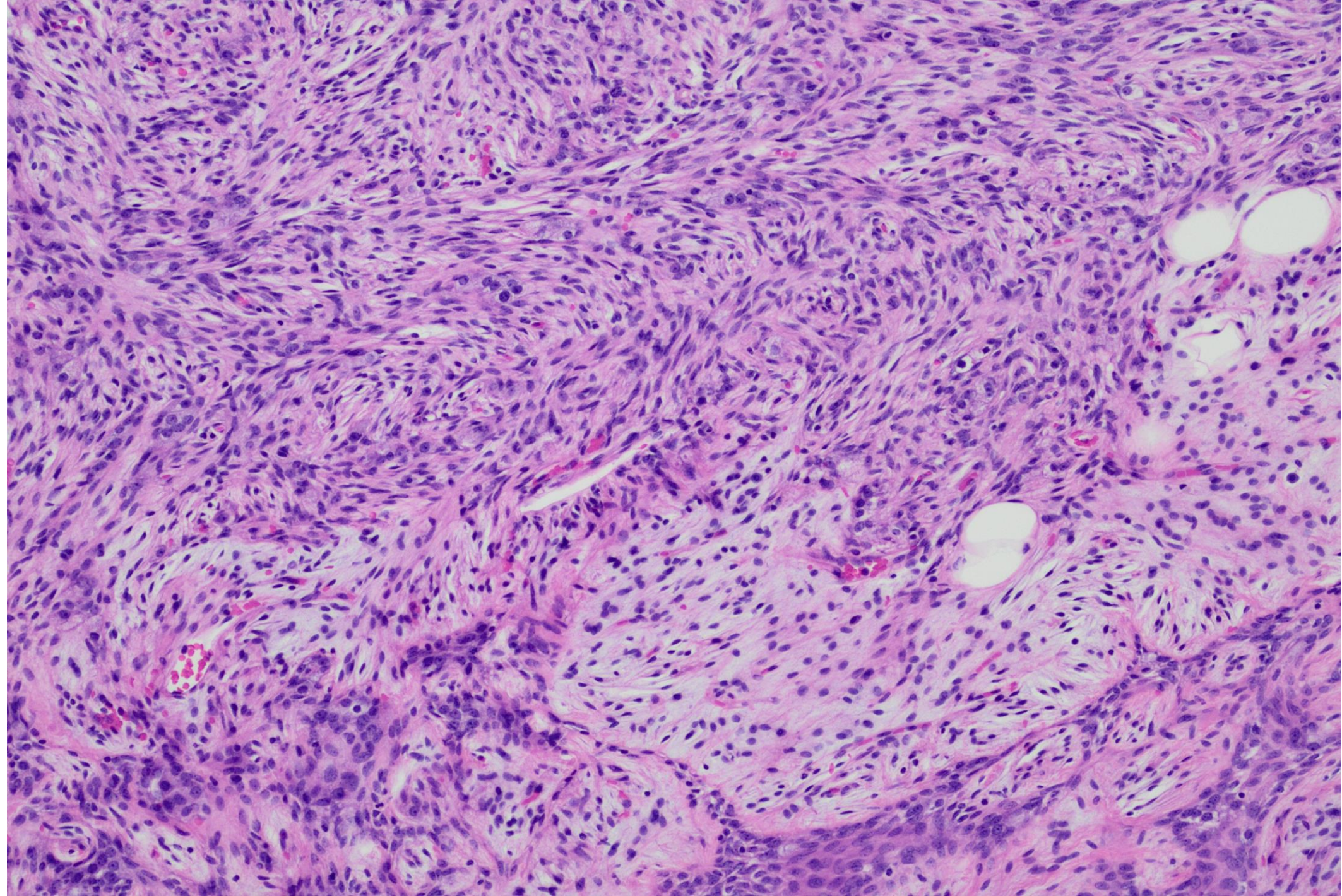


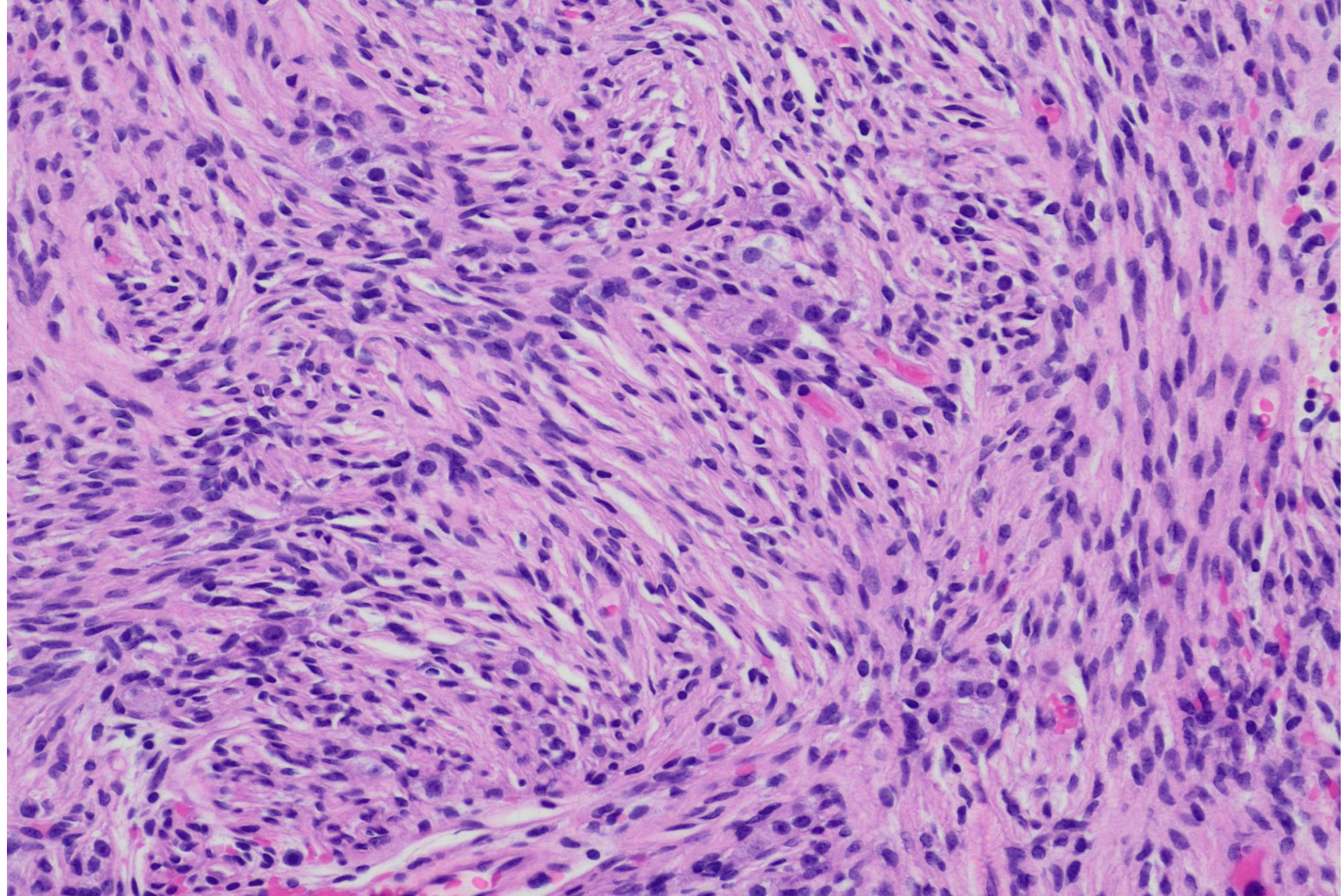


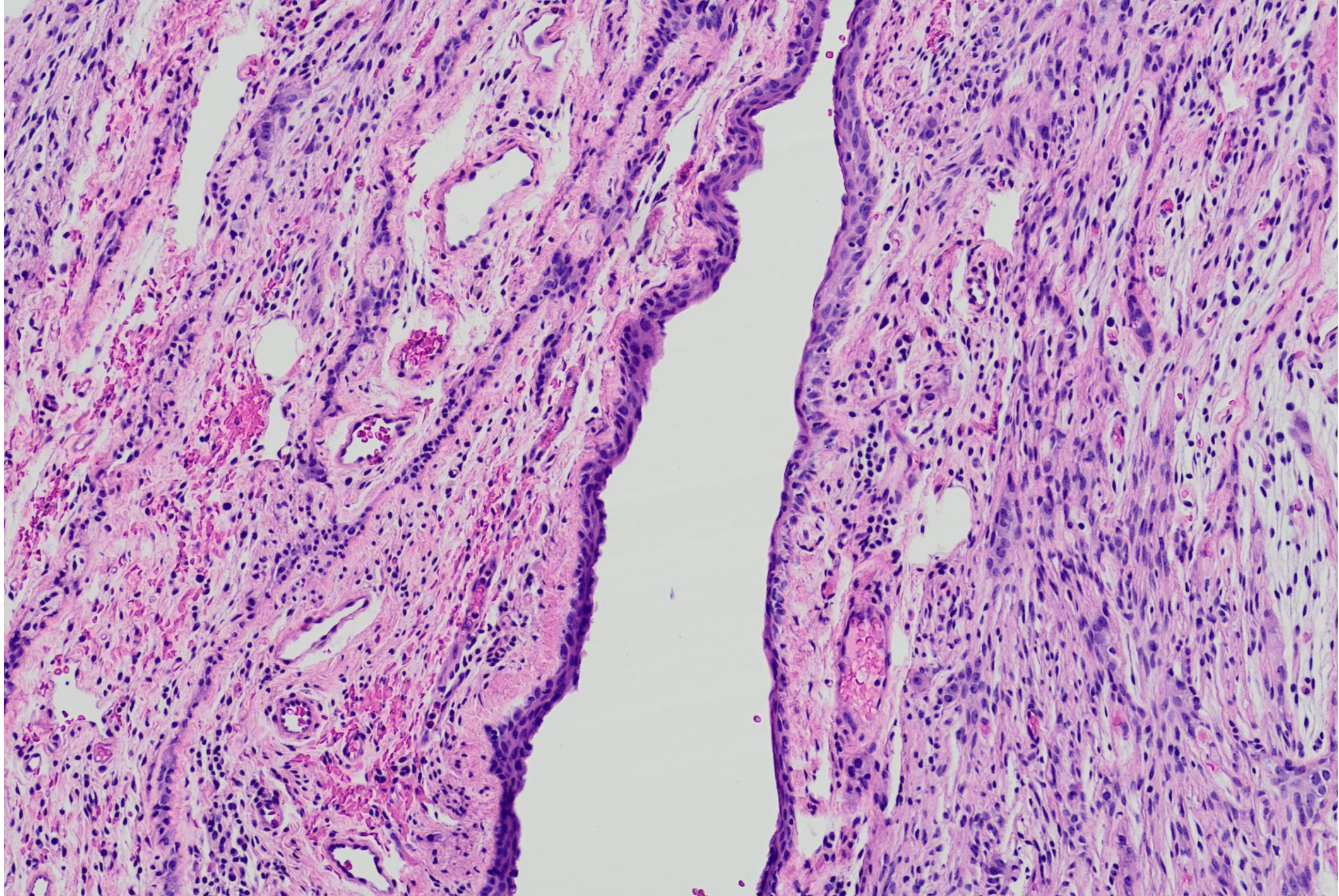












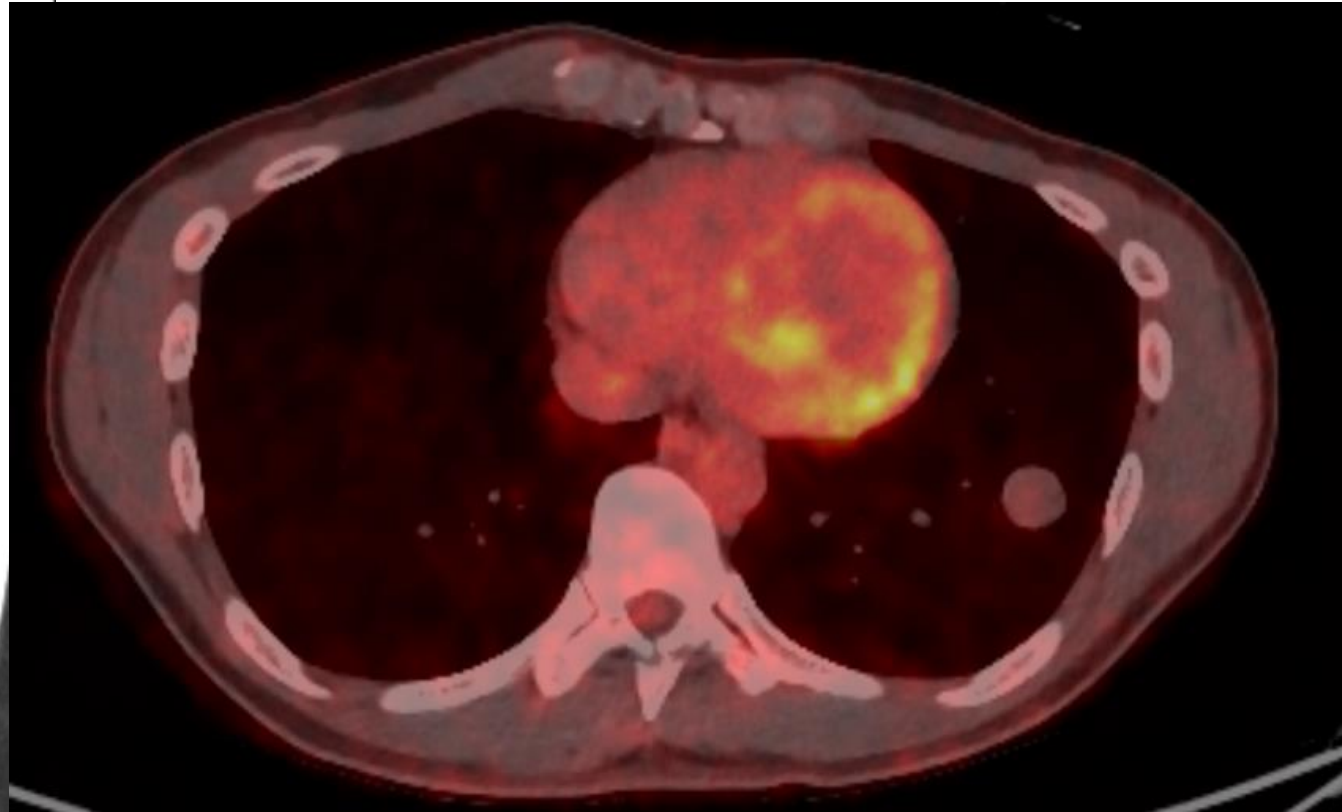
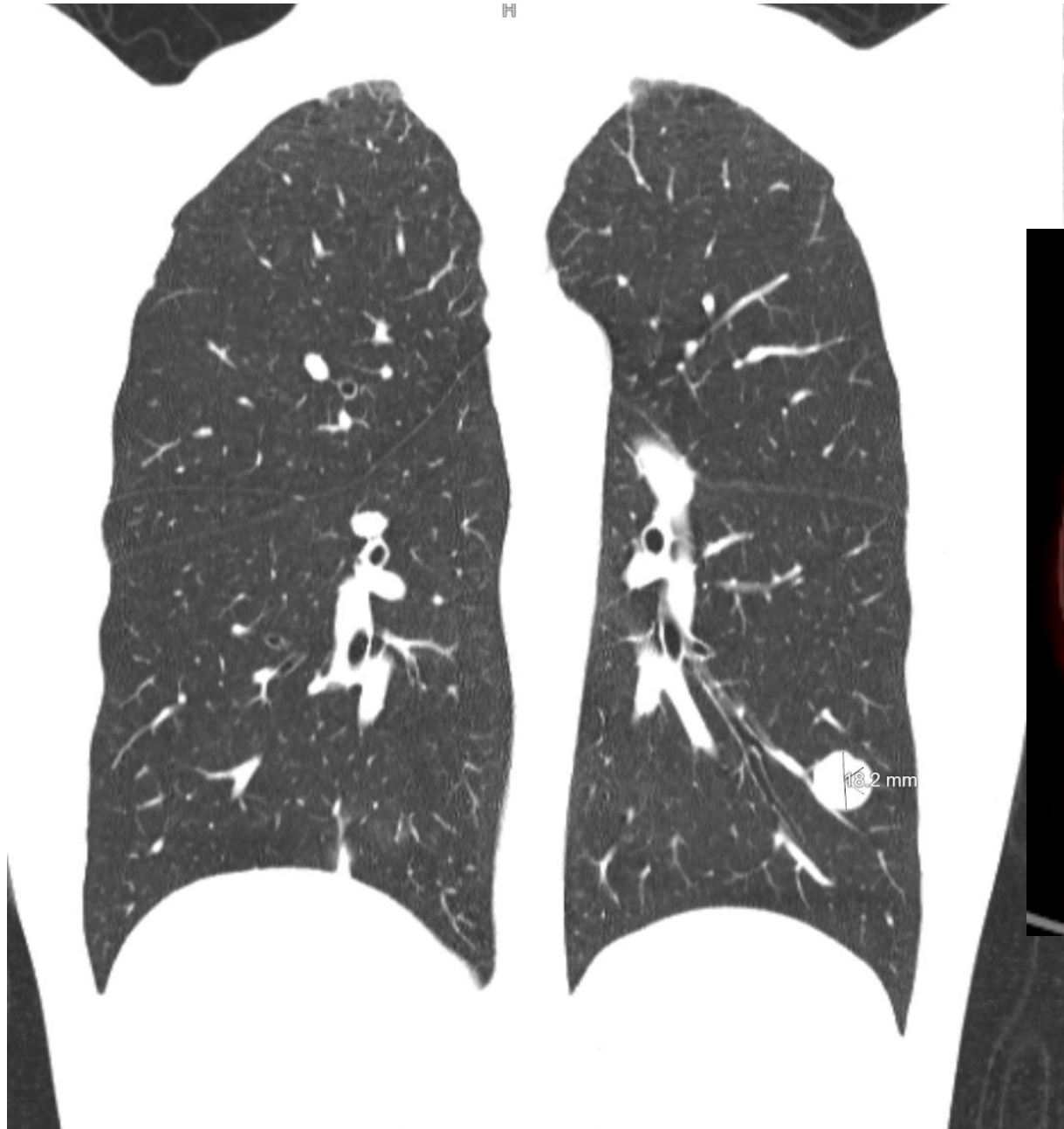
DIAGNOSIS?



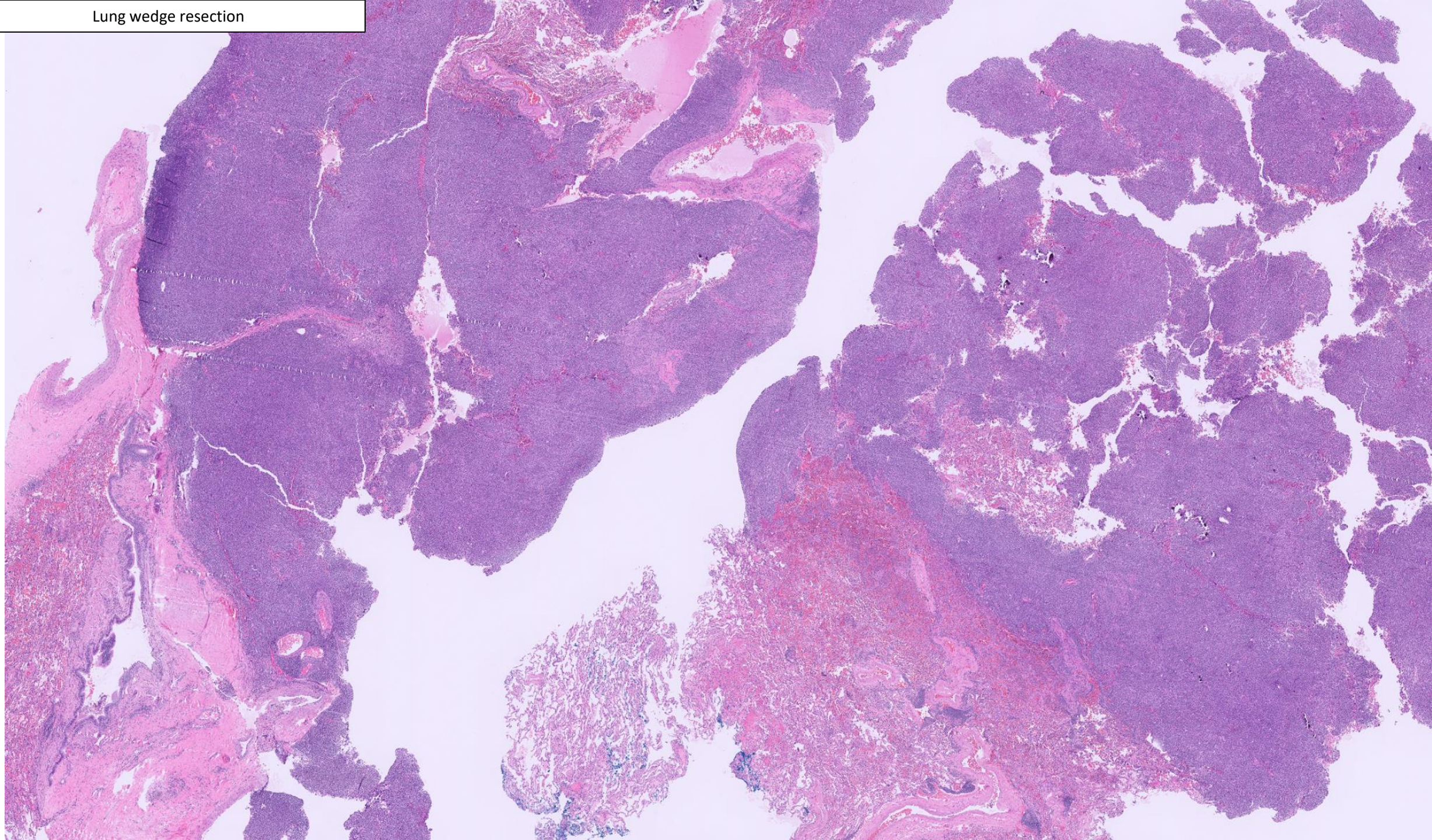
25-0602

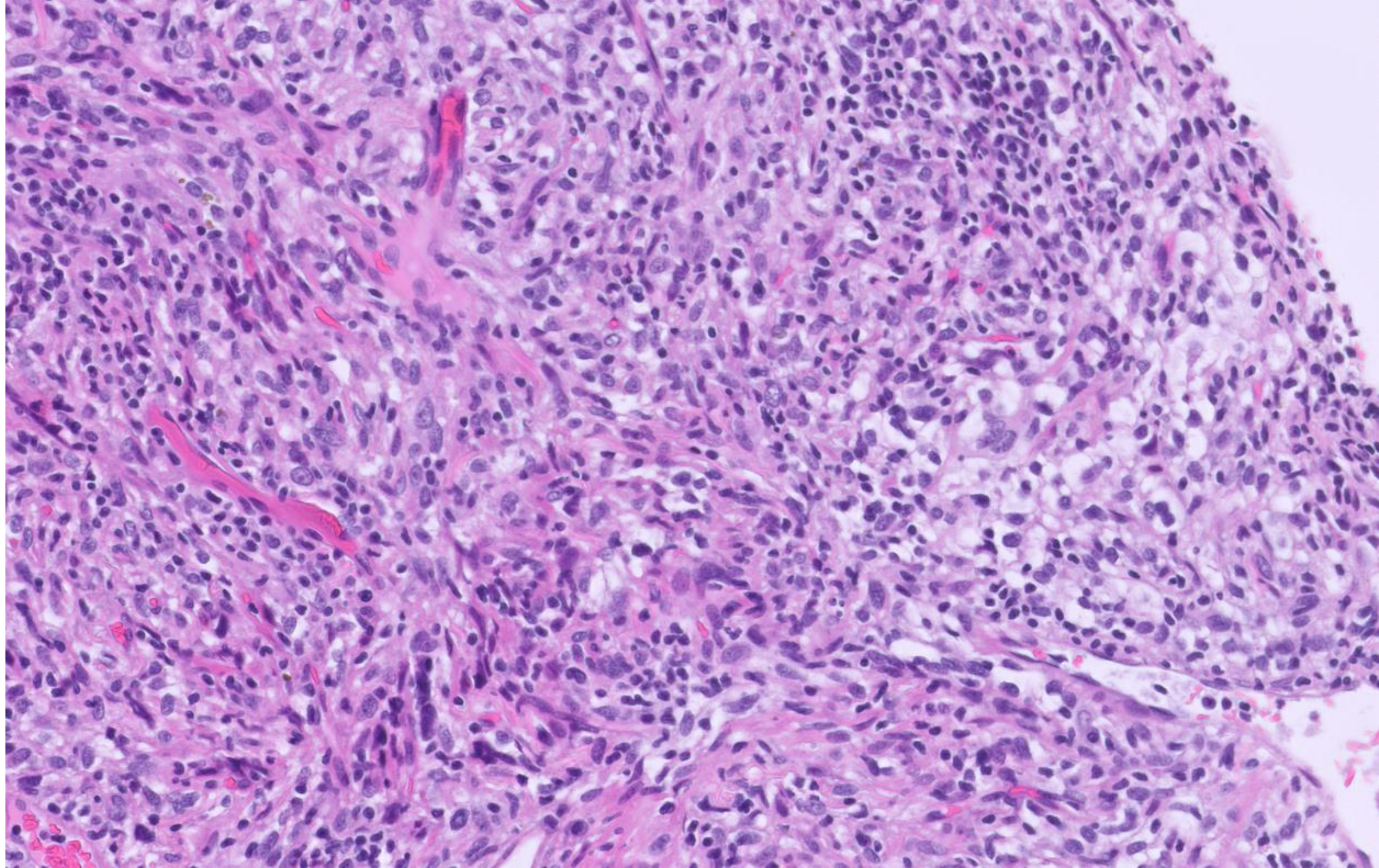
Douglas Wu, Sebastian Fernandez-Pol; Stanford

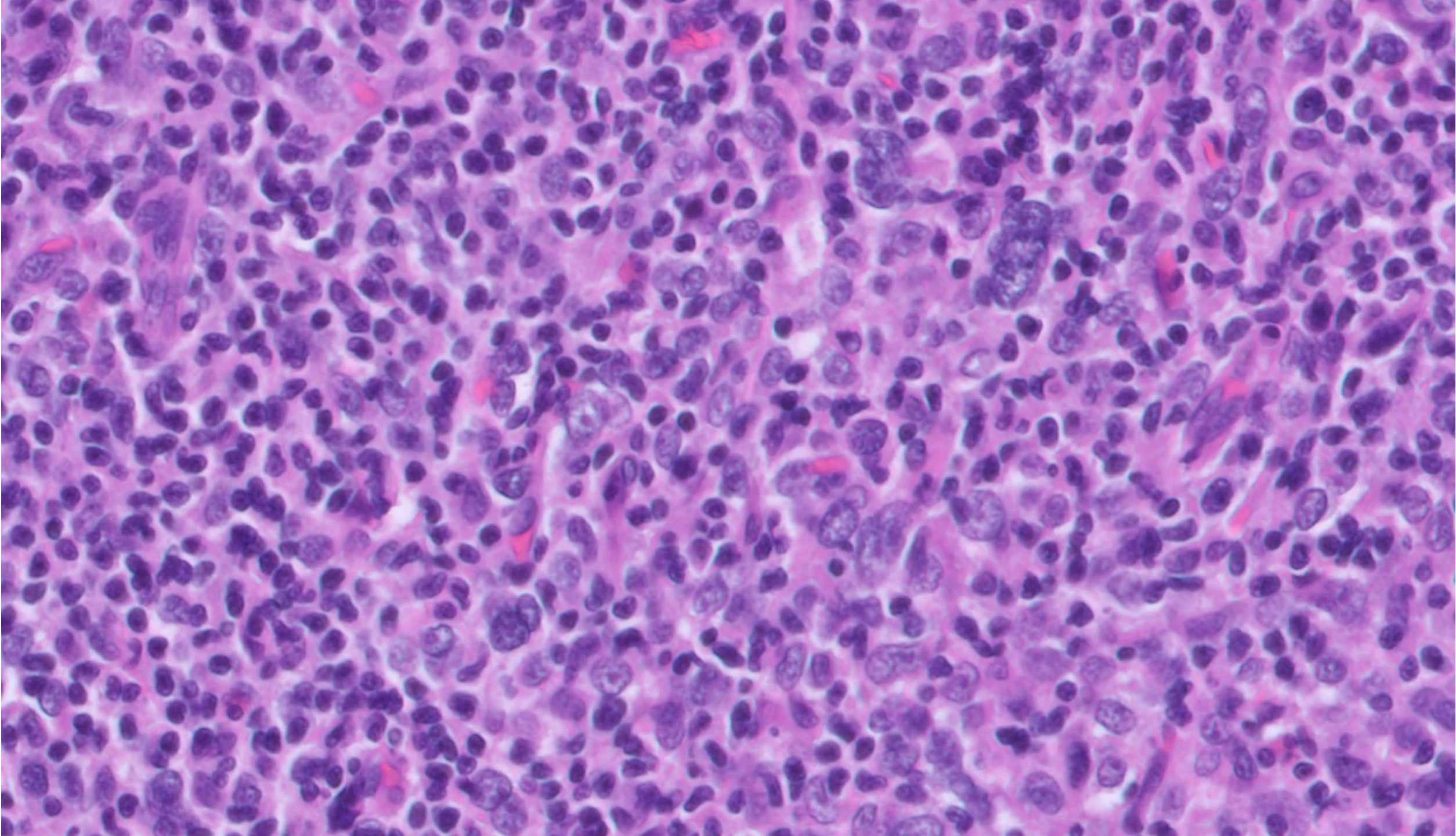
33-year-old man, never smoker, presents for chronic cough. Imaging showing several lung nodules. Biopsy showed atypical cells. Patient now presents for wedge resection of the largest mass (1.9 cm on imaging)

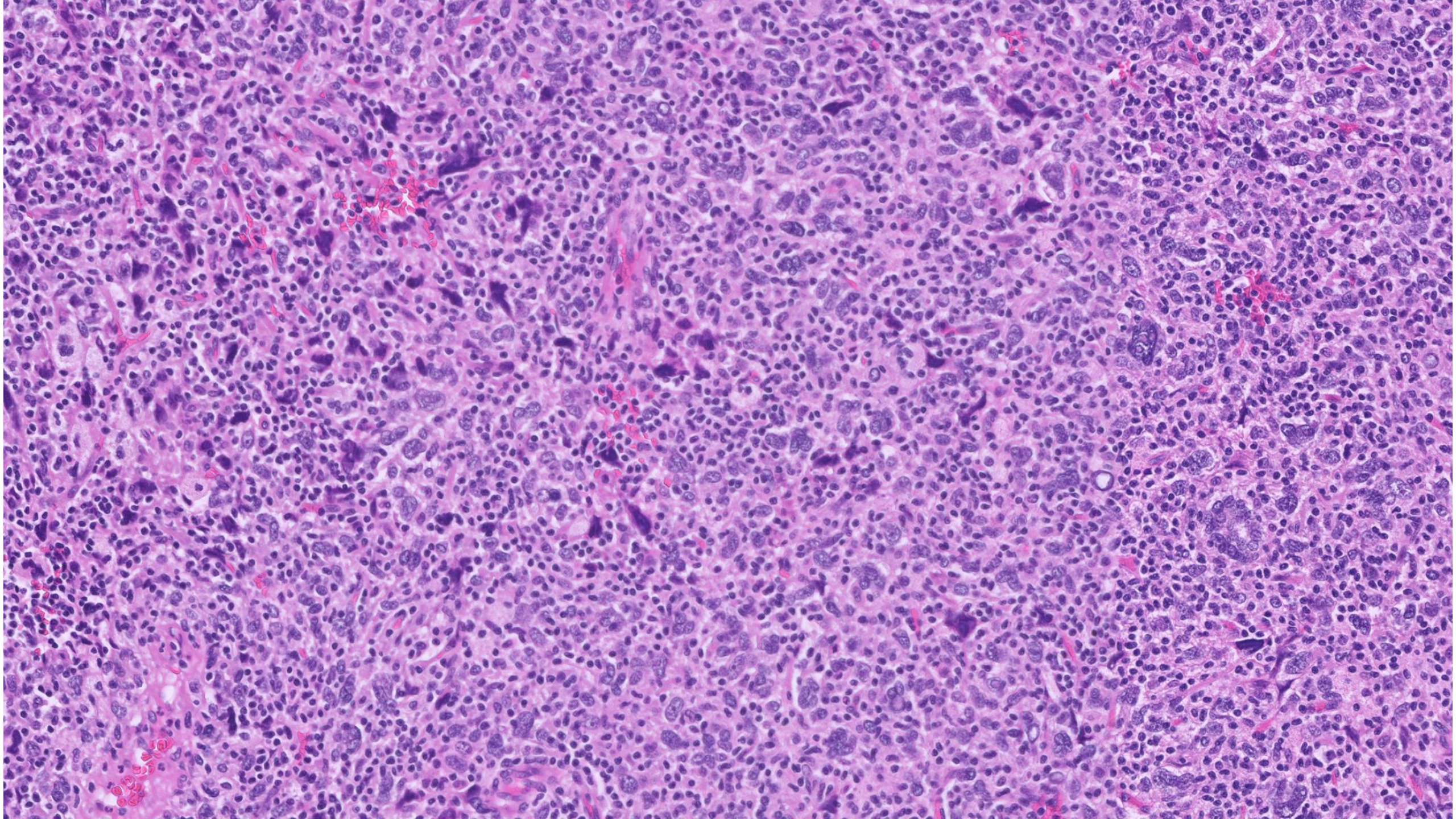


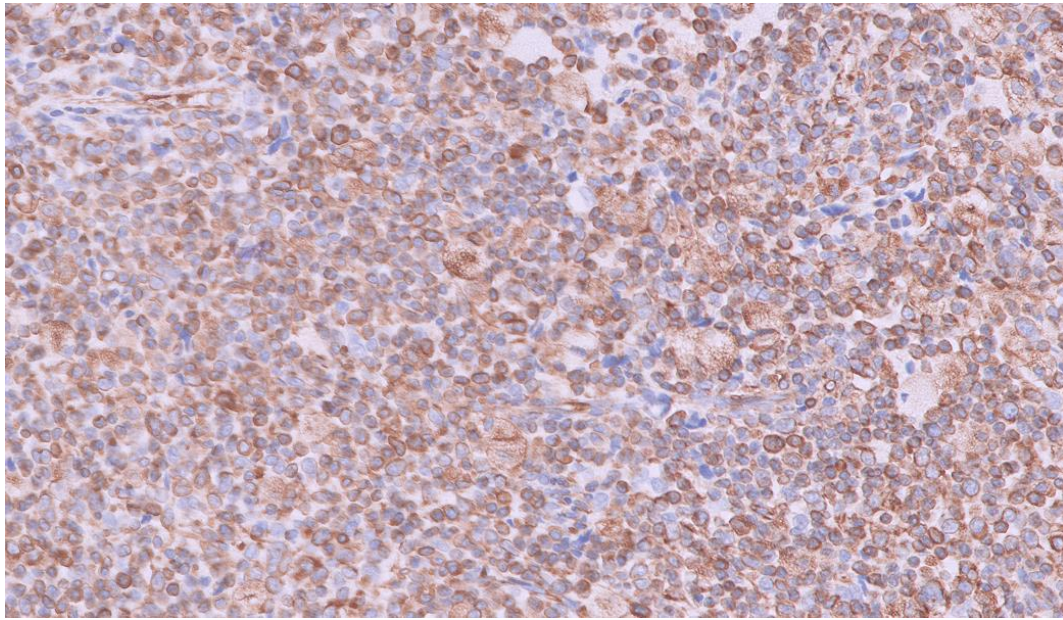
Lung wedge resection



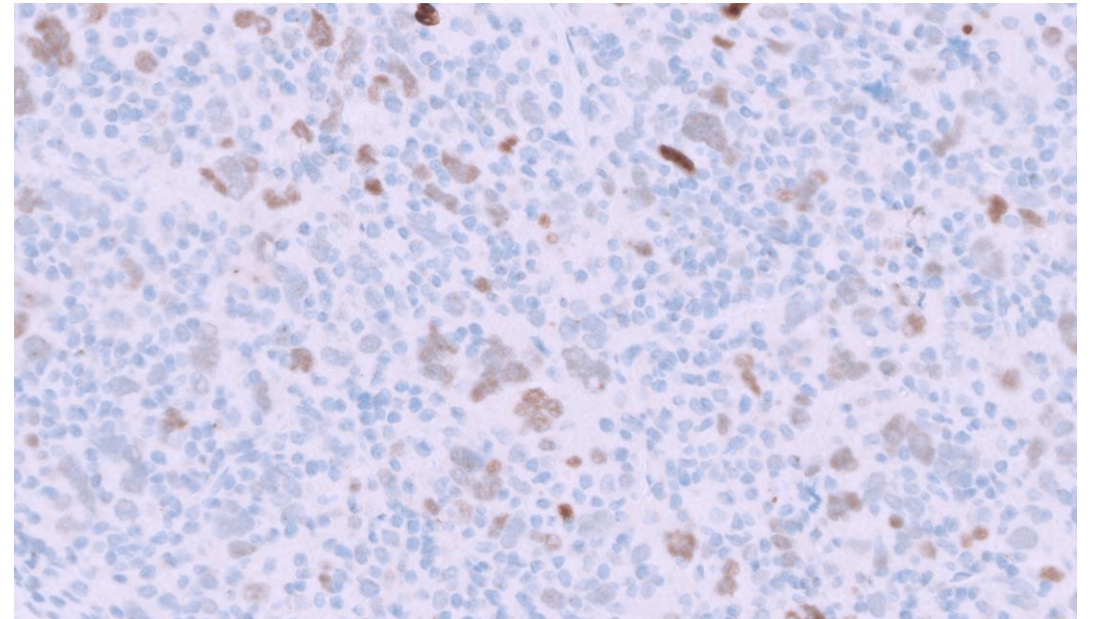




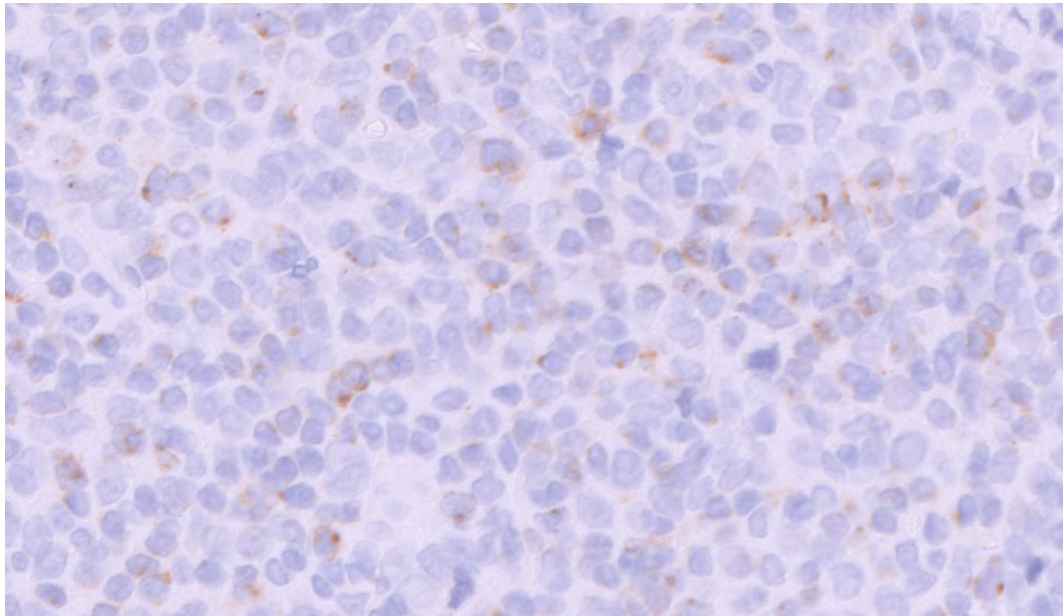




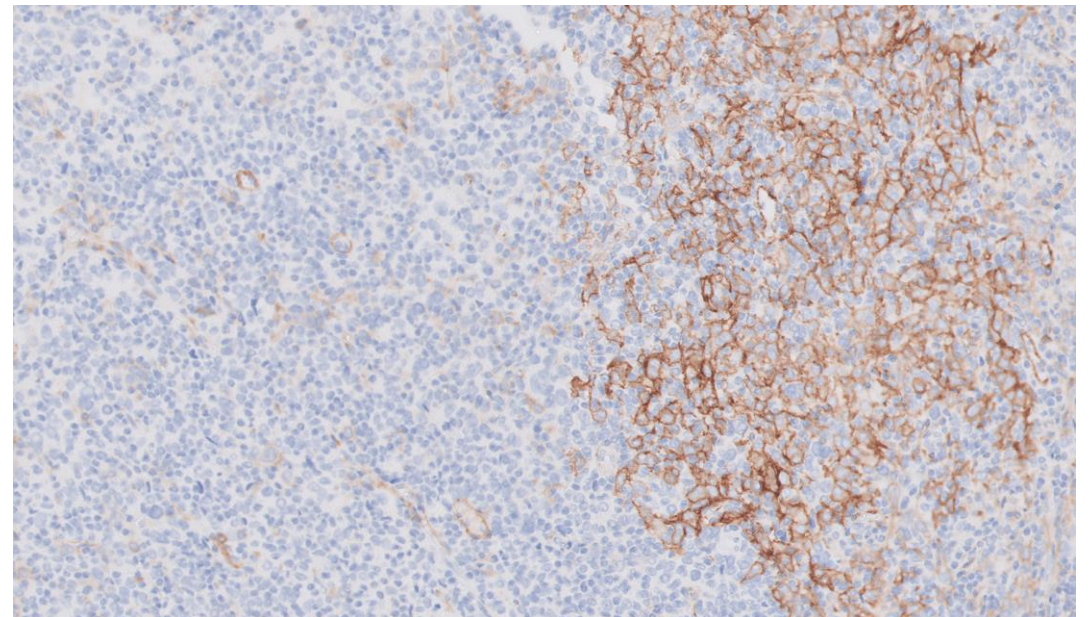
Vimentin



MDM2 (MDM2 FISH negative)



CXCL13



SSTR2A

Additional negative IHC

CK Mix	Negative
EMA, Calretinin, CK5/6, WT1	Negative
Claudin4	Negative
CathepsinK	Negative
ERG, CD34, D2-40	Negative in atypical cells (highlights background vasculature)
Desmin, Caldesmon, SMA	Negative
INI1, SMARCA4	Intact
SALL4	Negative
Synaptophysin, SOX10	Negative
STAT6	Negative
ALK	Negative
PU.1	Highlights background histiocytes
Ki-67	Up to 10%

Additional Heme work up

EBER	Negative
CD123	Negative
CD3	Negative in atypical cells, highlights florid background T cells
CD20	Negative in atypical cells, highlights background B cells
CD43	Negative in atypical cells, highlights florid background inflammatory cells
CD45RB	Negative in atypical cells, highlights florid background inflammatory cells
CD56	Negative
CD68/CD163	Negative, highlight background cells
CD138	Negative
CD35, Clusterin	Negative

Flow cytometry shows no abnormal cell populations

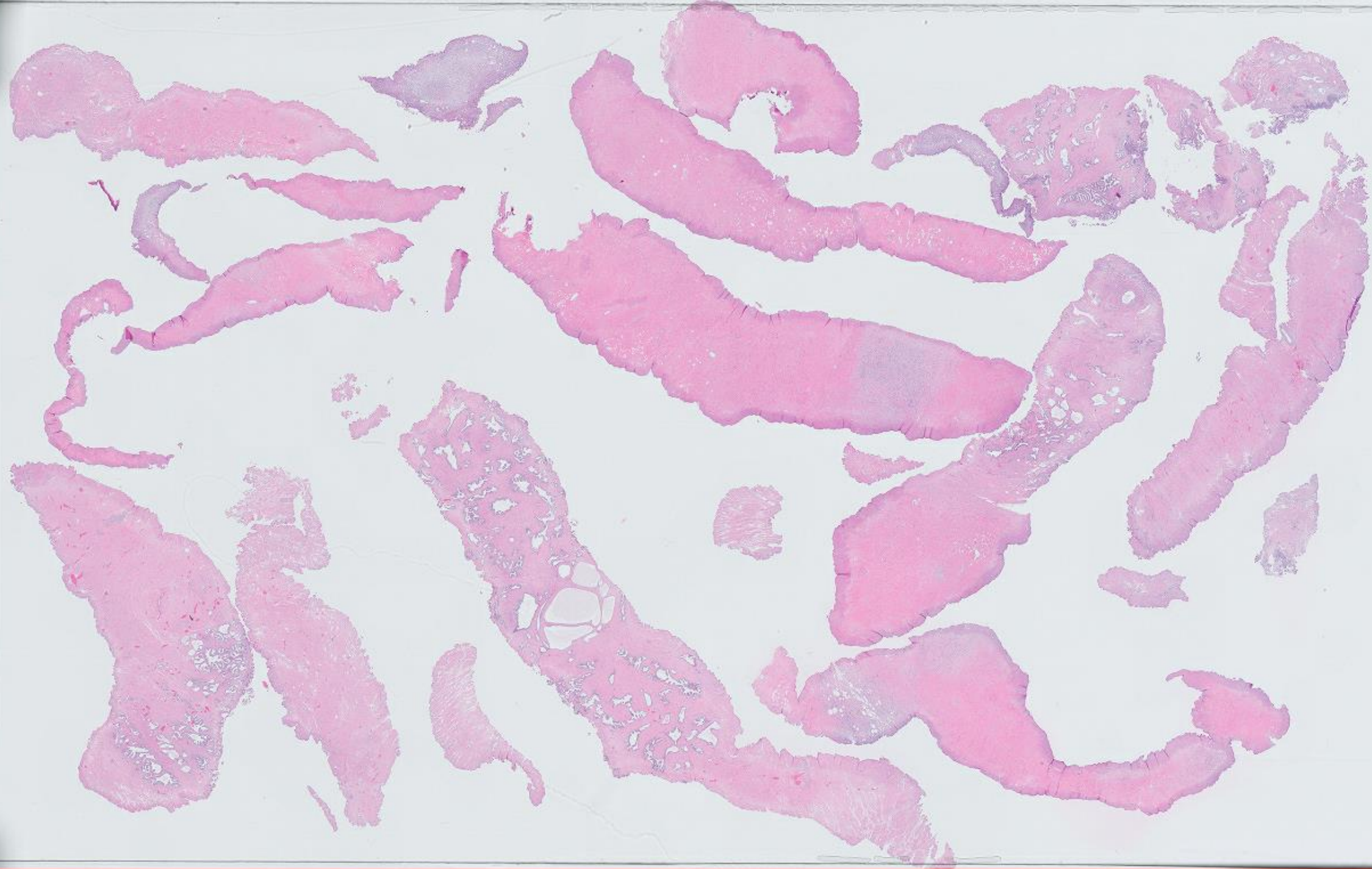
DIAGNOSIS?

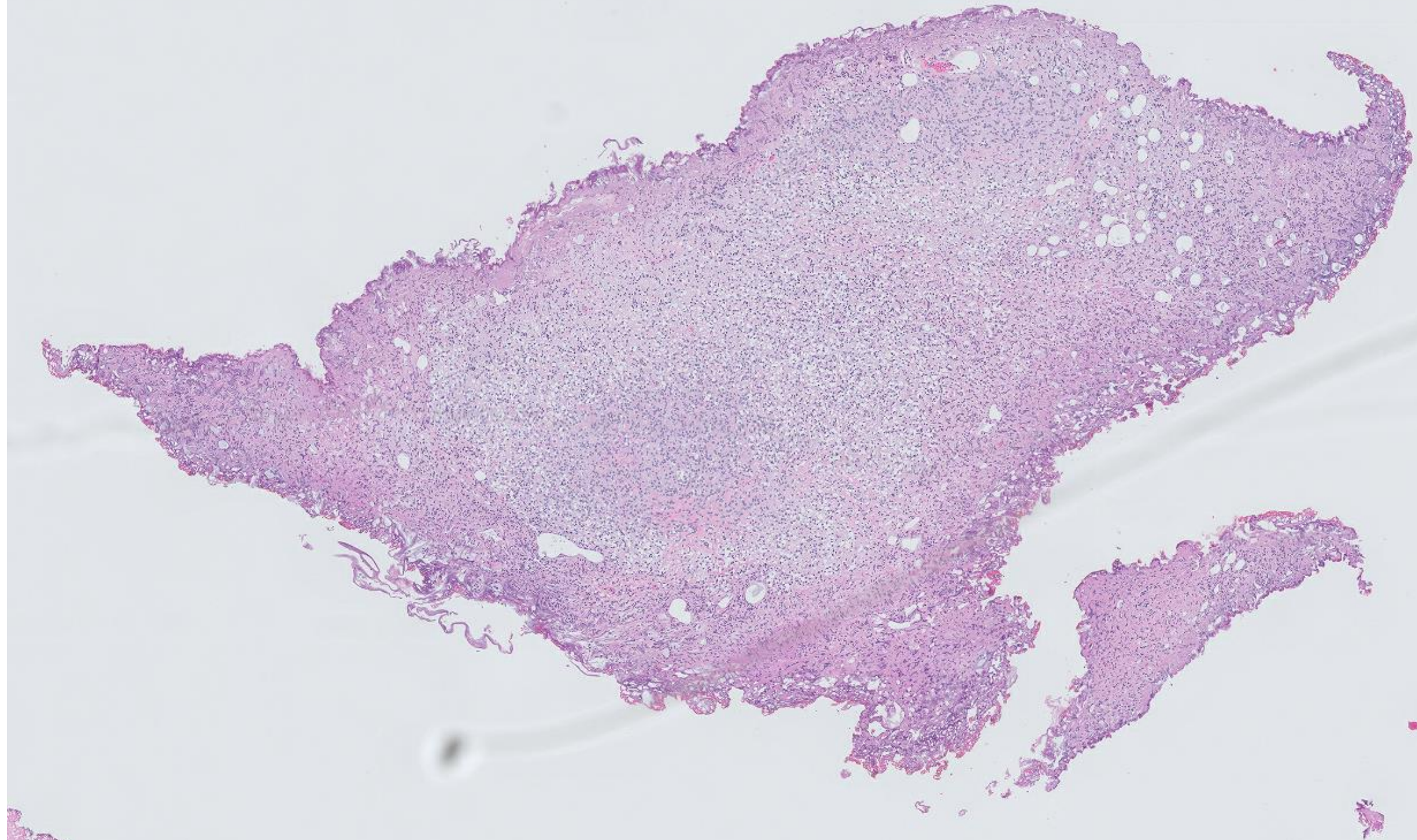


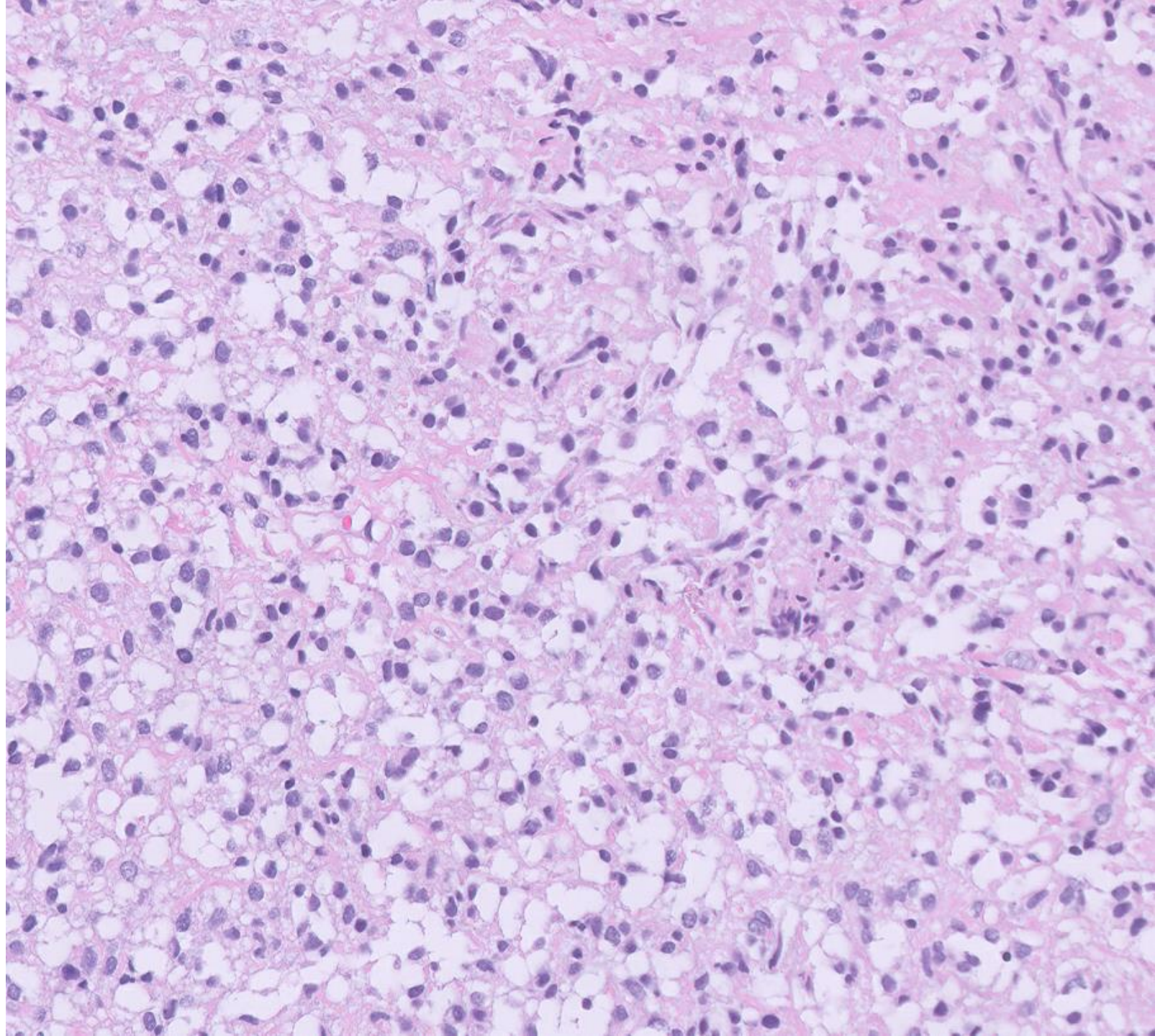
25-0603

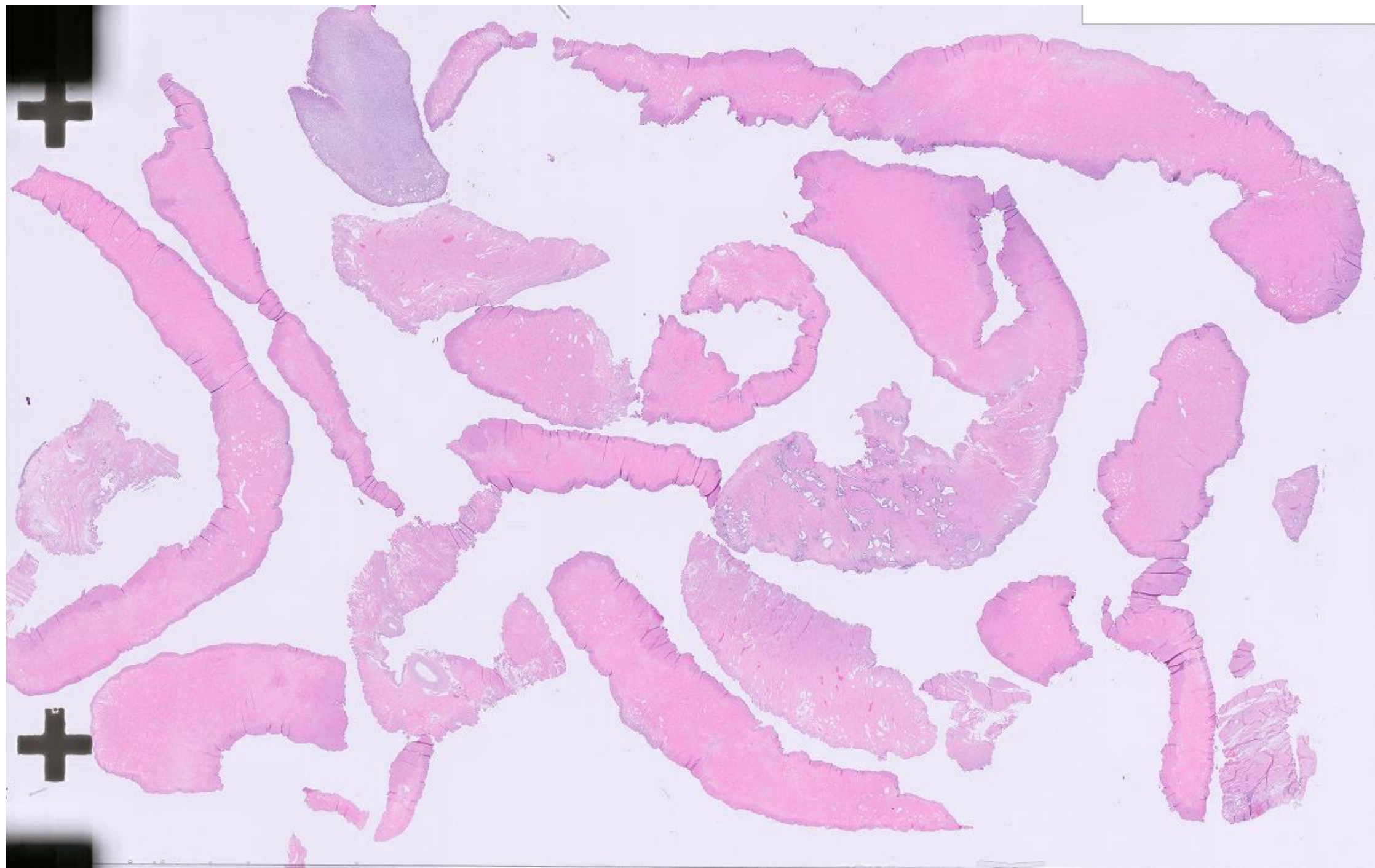
Emily Chan; Stanford University

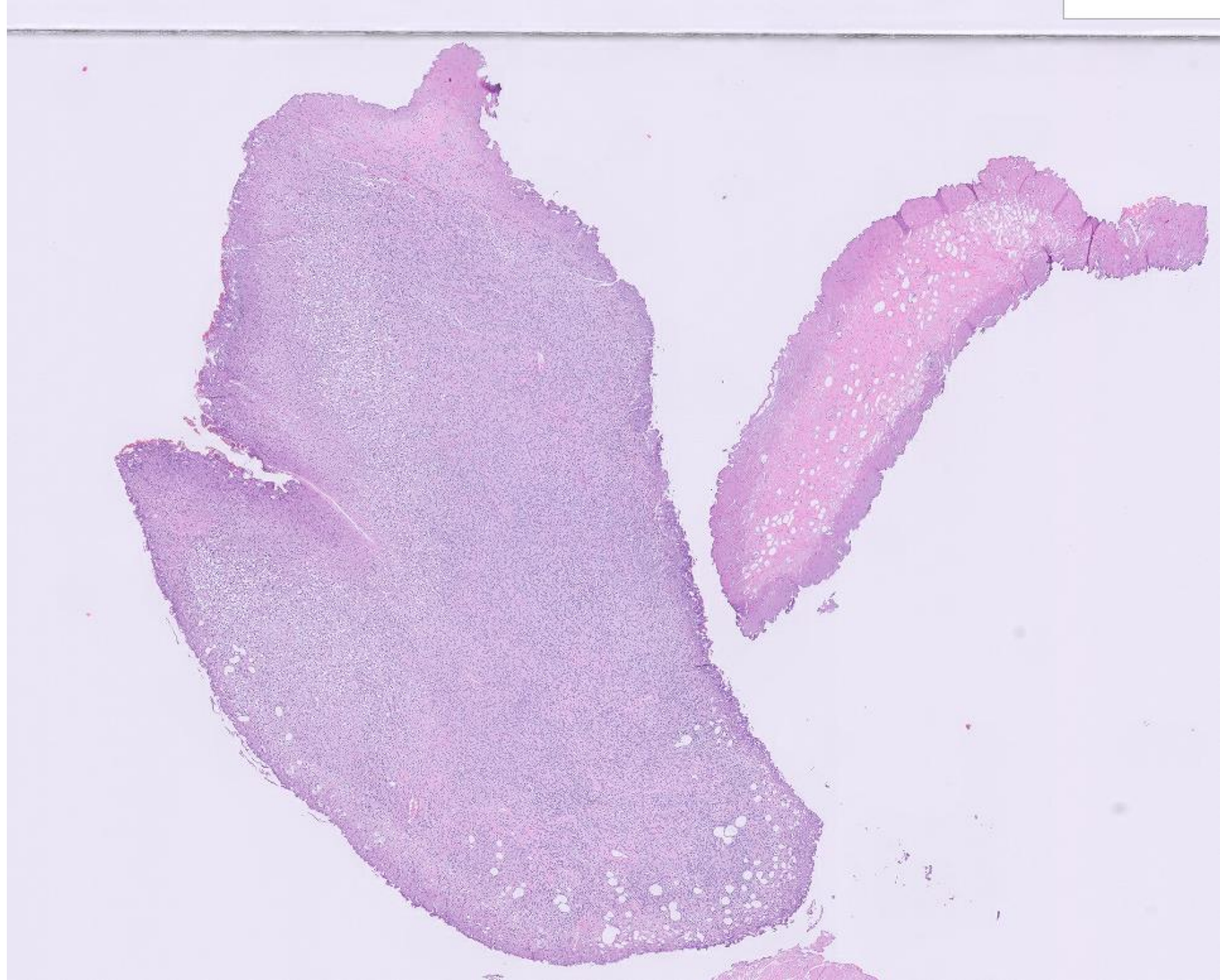
70s yo man with chronic urinary retention and trilobar prostatic hypertrophy with large intravesical component for which he underwent transurethral resection of the prostate

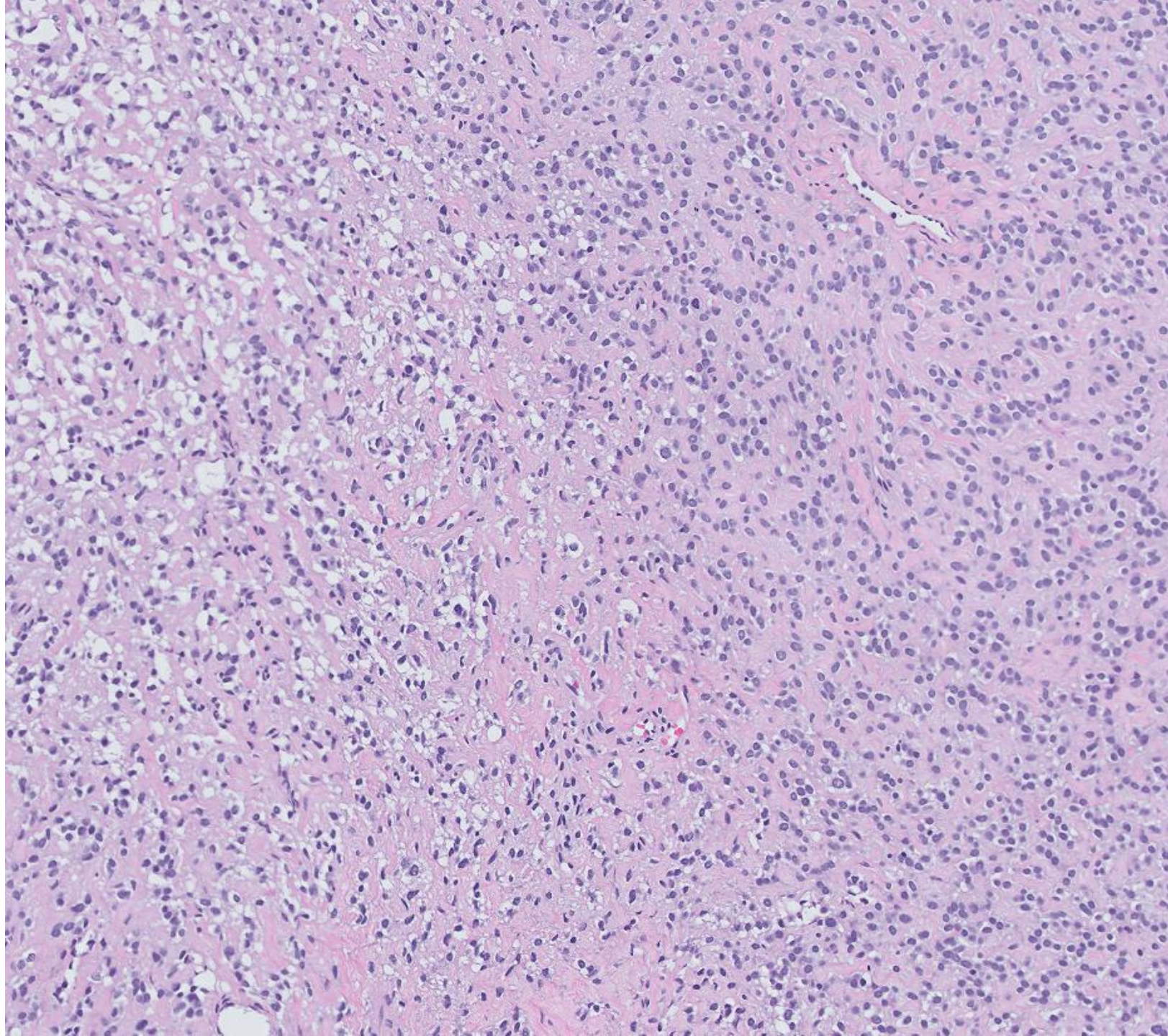


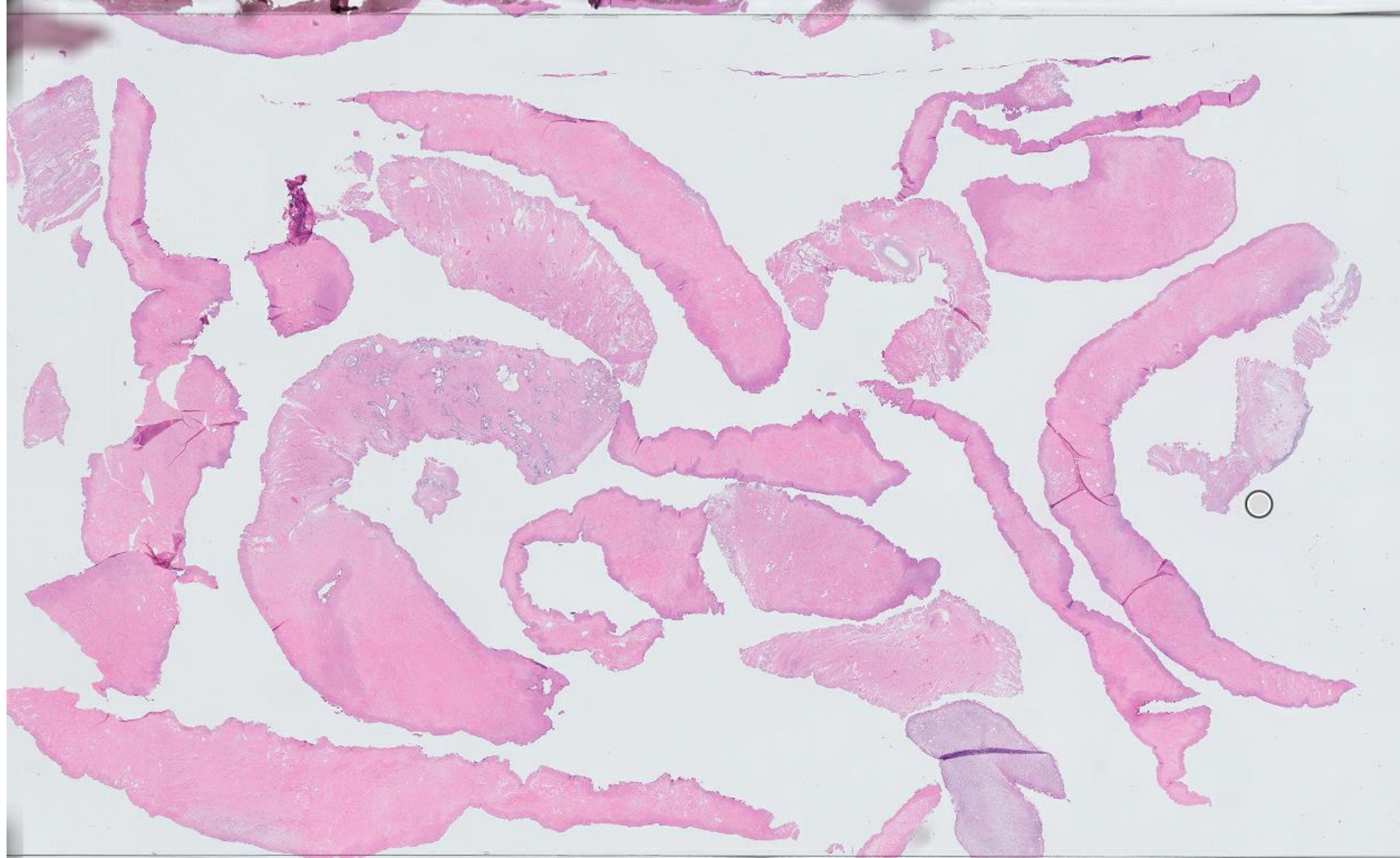




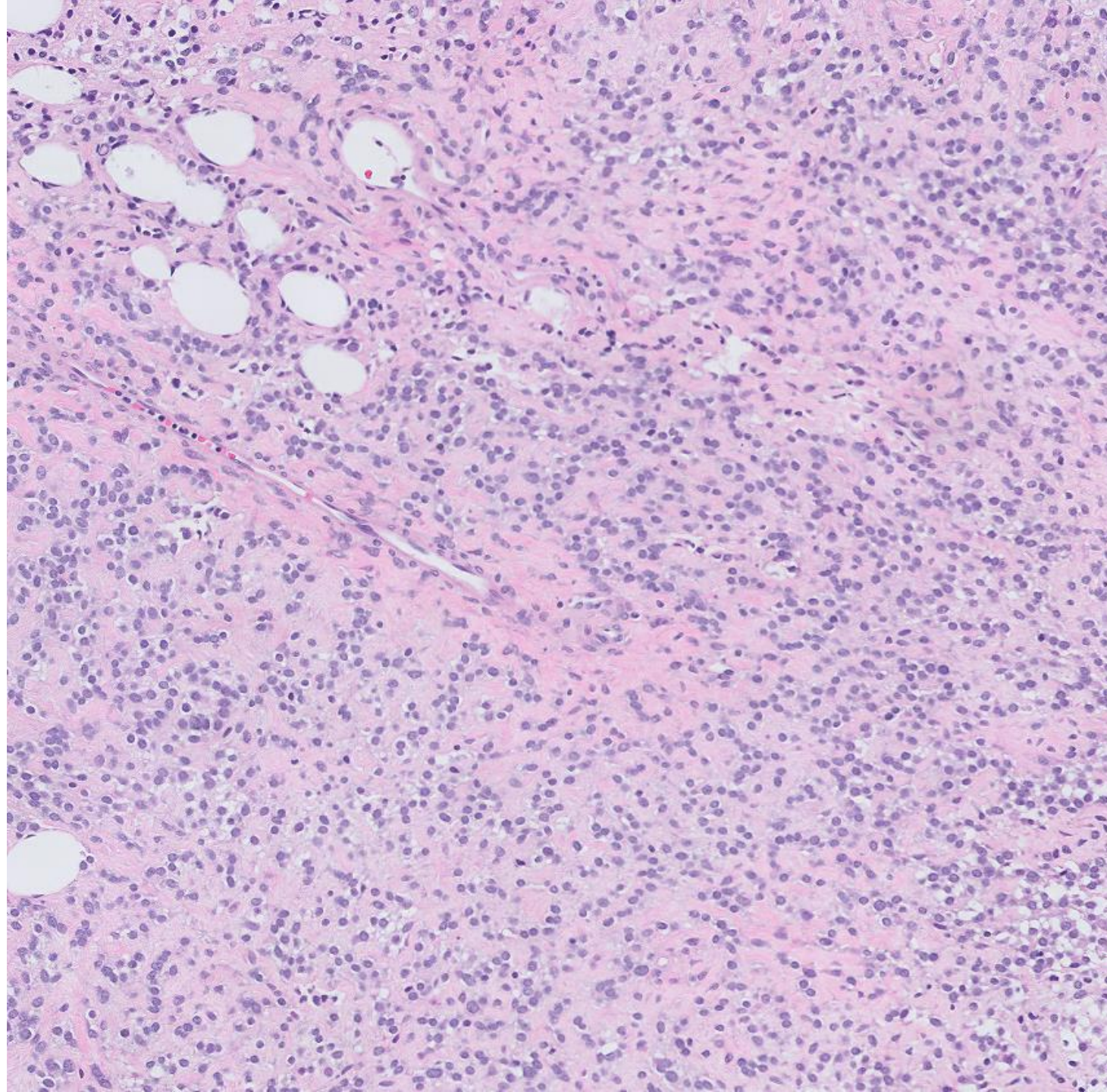












IHC Summary

Positive

- STAT6: strong
- CD34: Patchy
- Androgen receptor: Variably weak
- Ki-67 labeling index: ~2-3%.

Negative

- CD45
- AE1/AE3
- S100
- SOX10
- Desmin
- Vimentin
- P63/HMWK/P504S cocktail
- Desmin
- Caldesmon
- ERG
- DOG1
- CD117
- MUC4
- Synaptophysin
- Smooth muscle actin

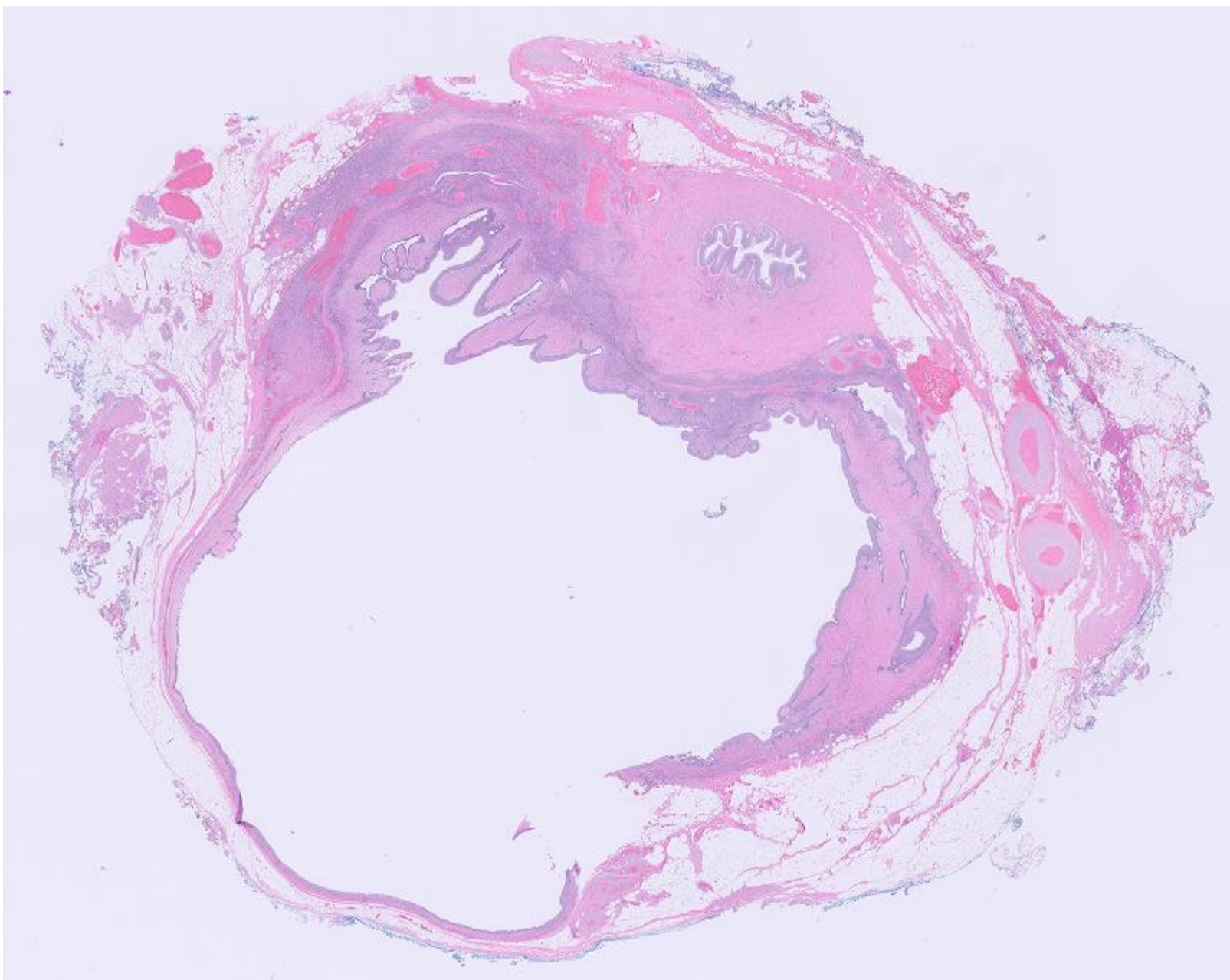
DIAGNOSIS?

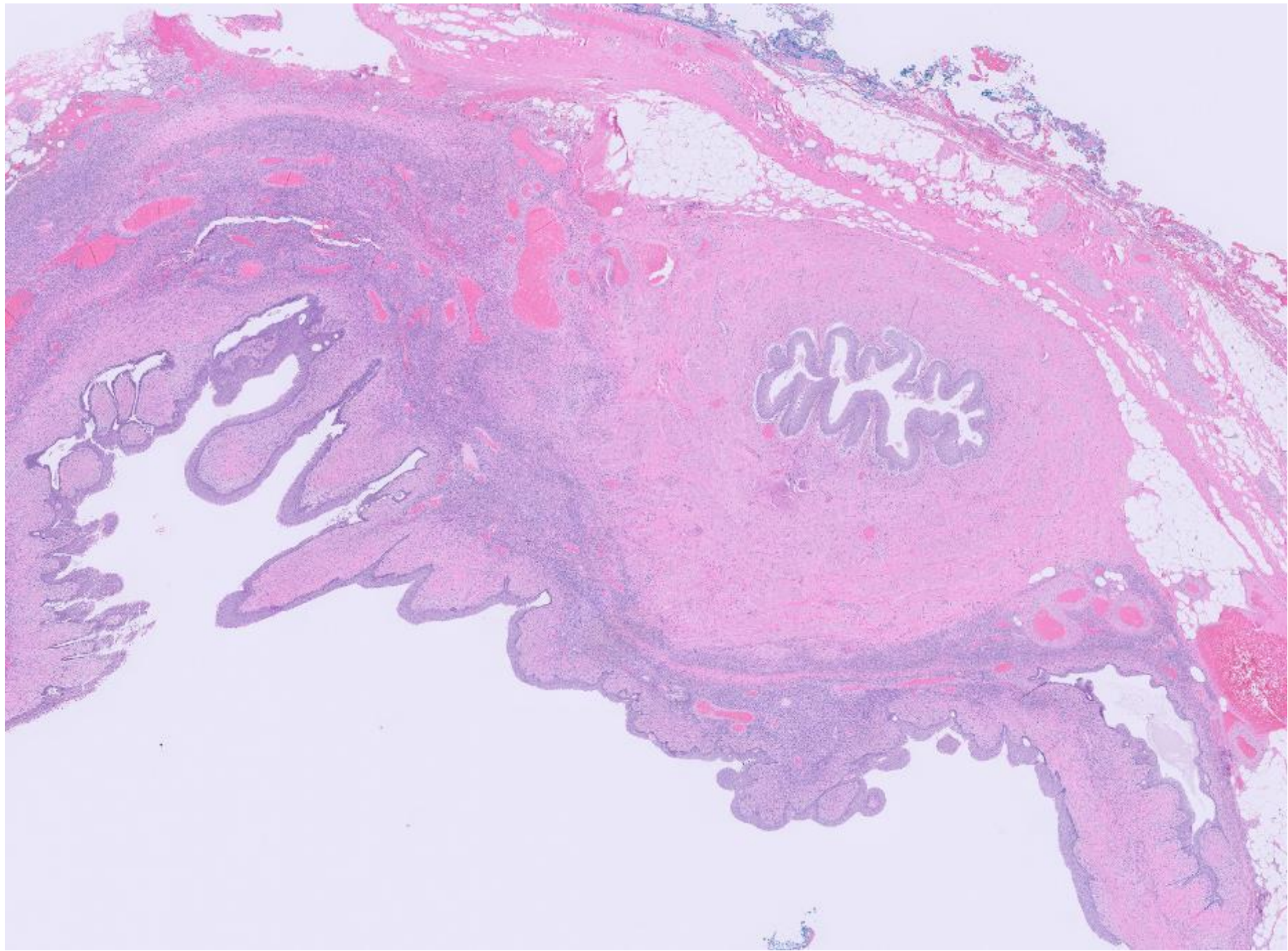


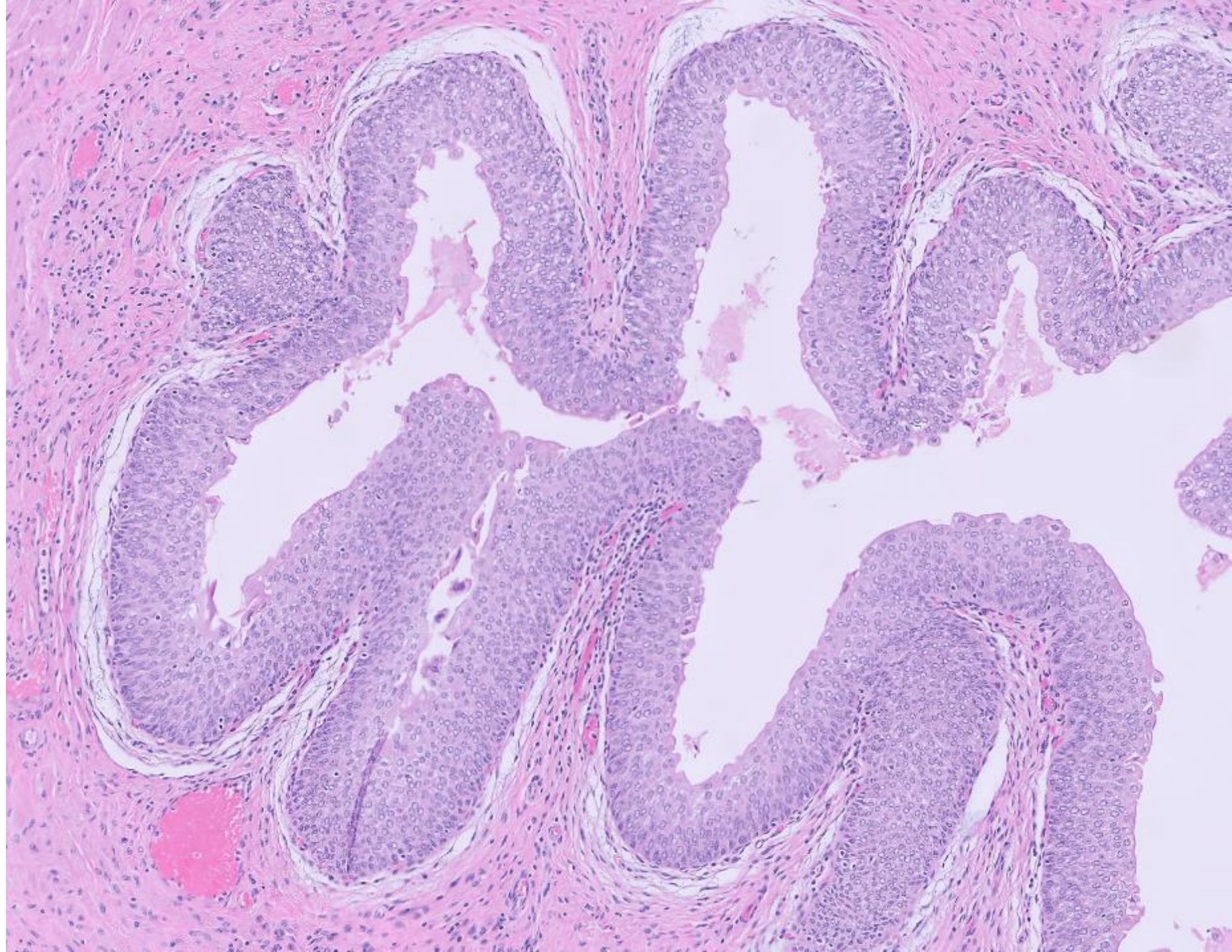
25-0604

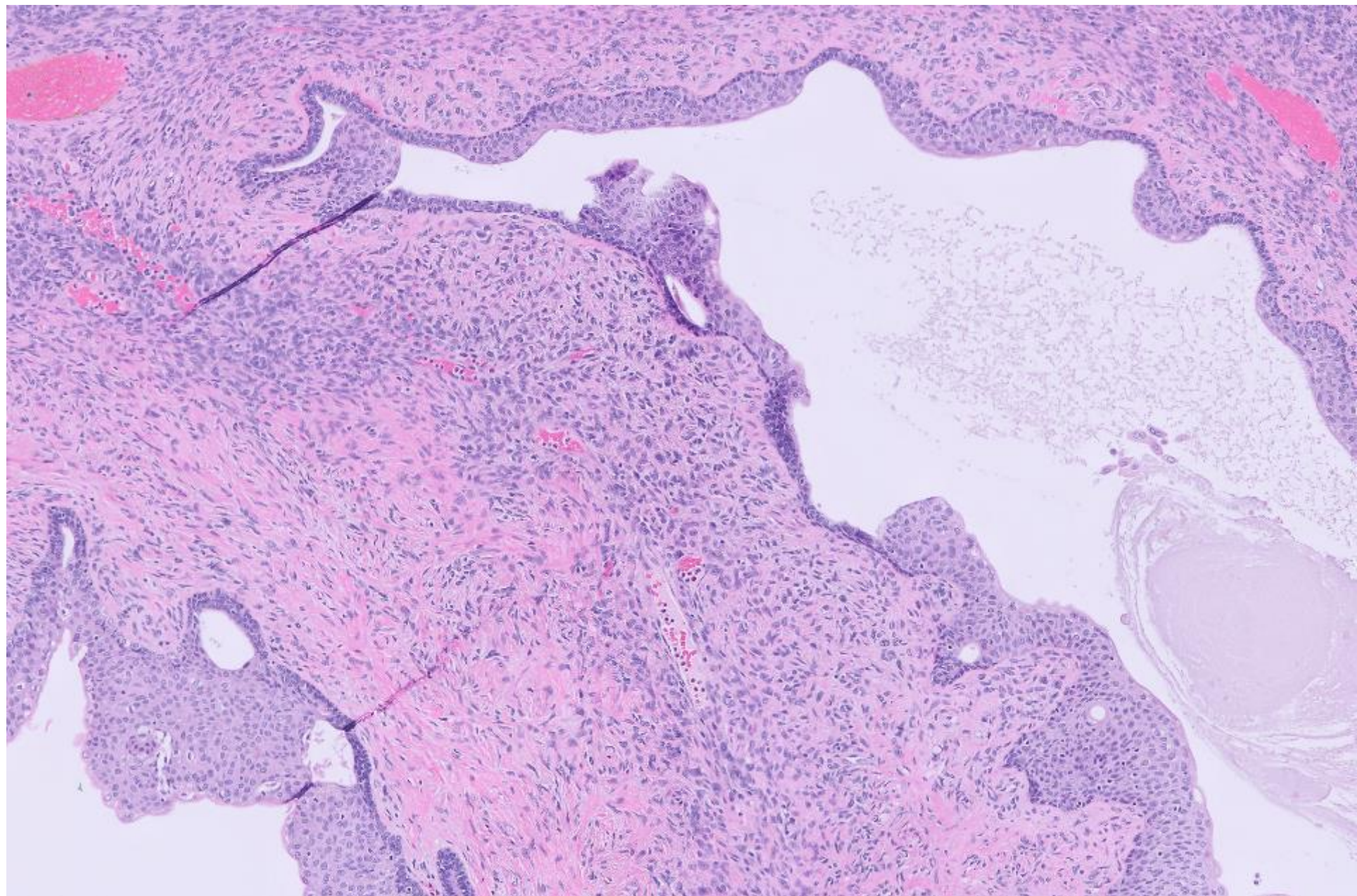
Emily Chan; Stanford

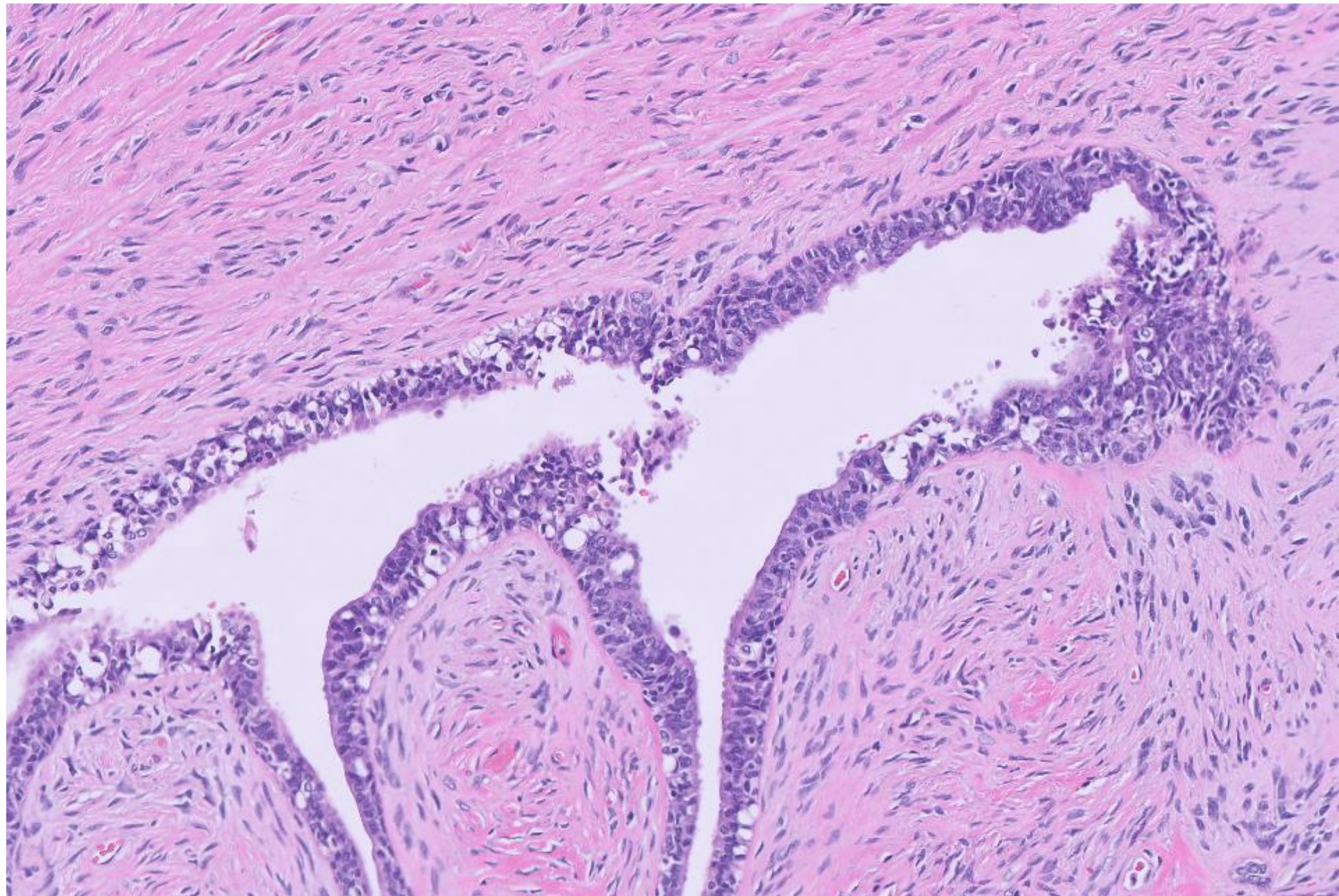
Mid-50s year old man with right flank pain and hydroureteronephrosis. Imaging and operative findings were compatible with a right distal diverticulum. Right distal ureterectomy performed.

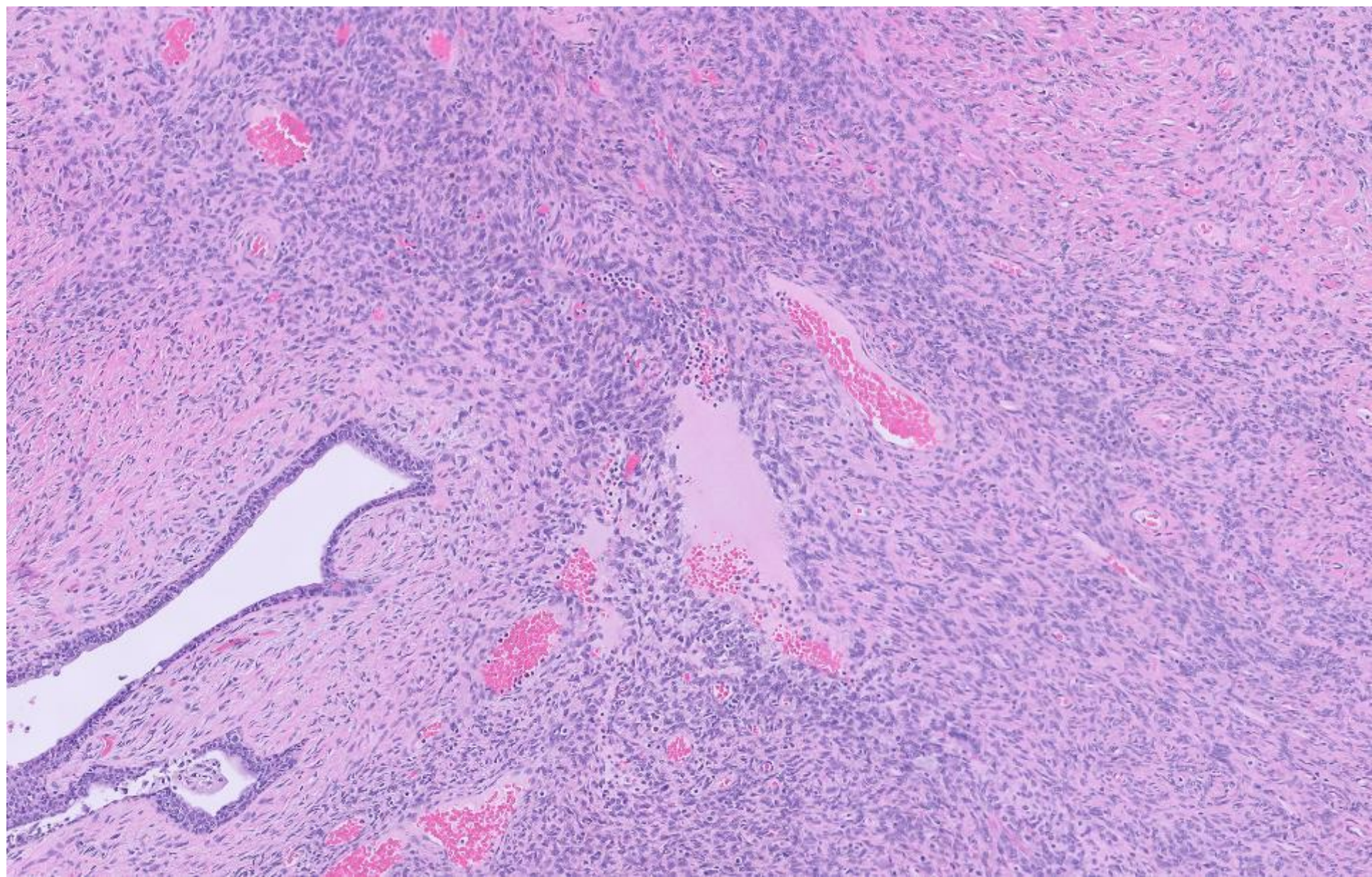


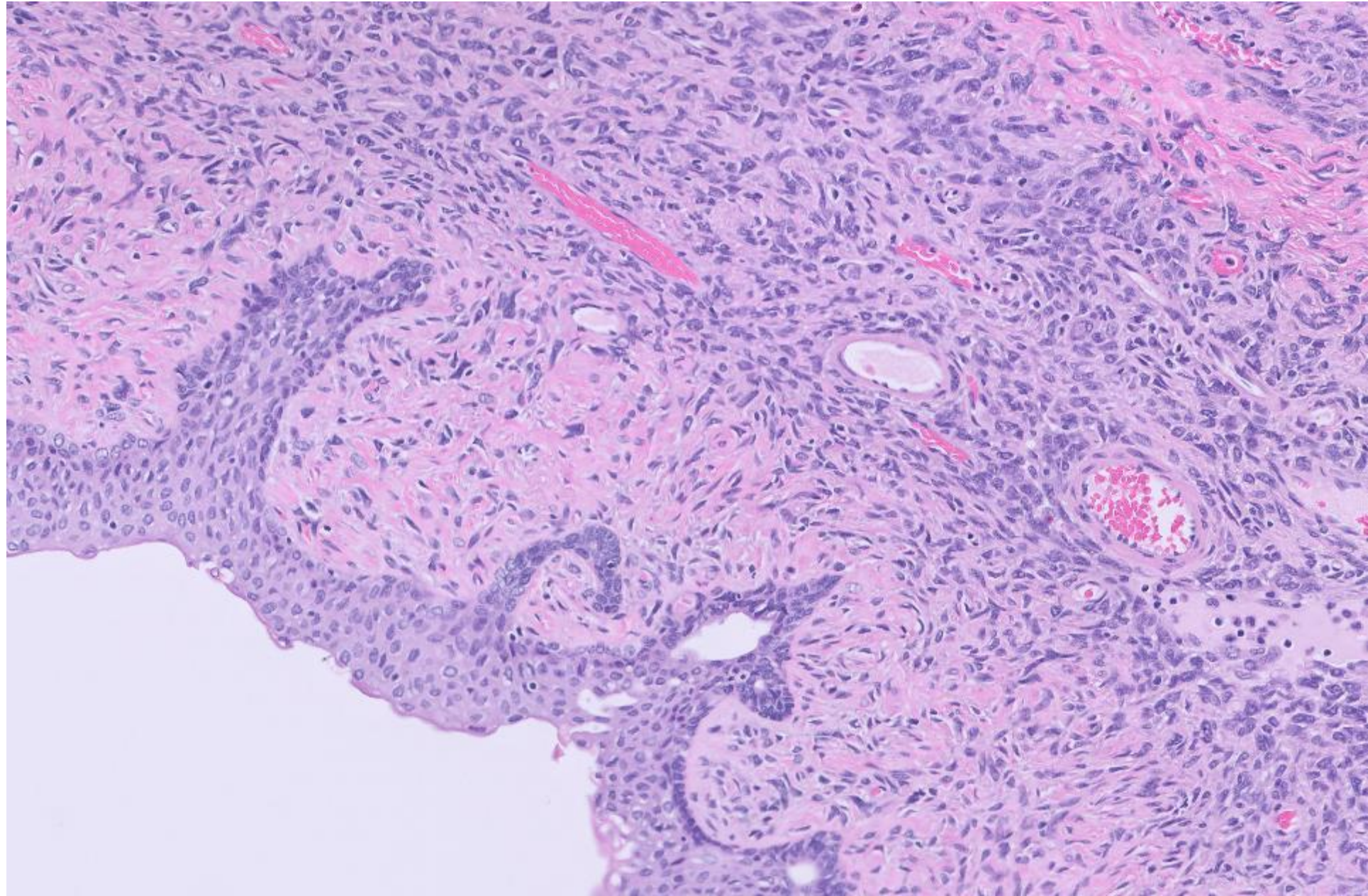


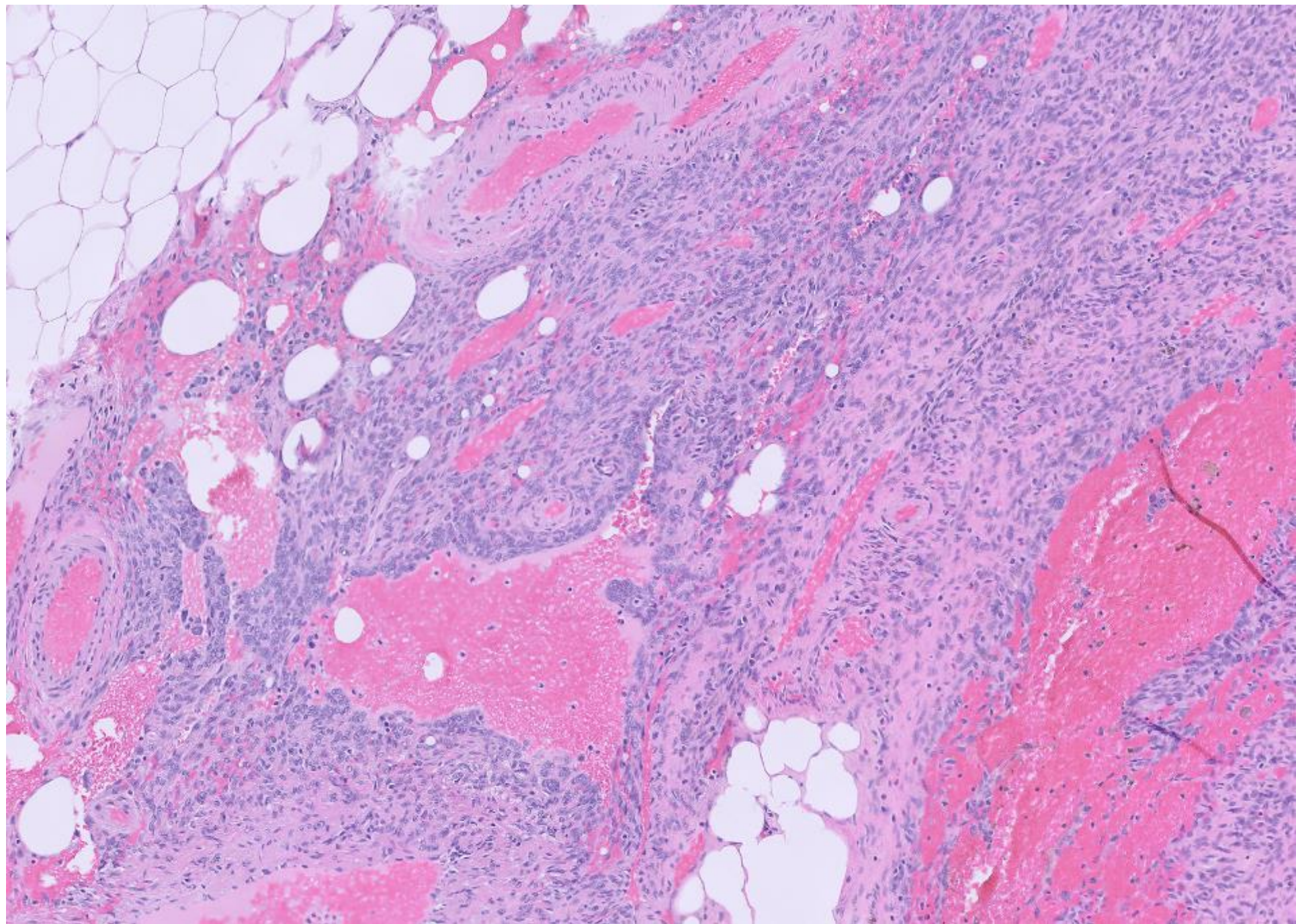


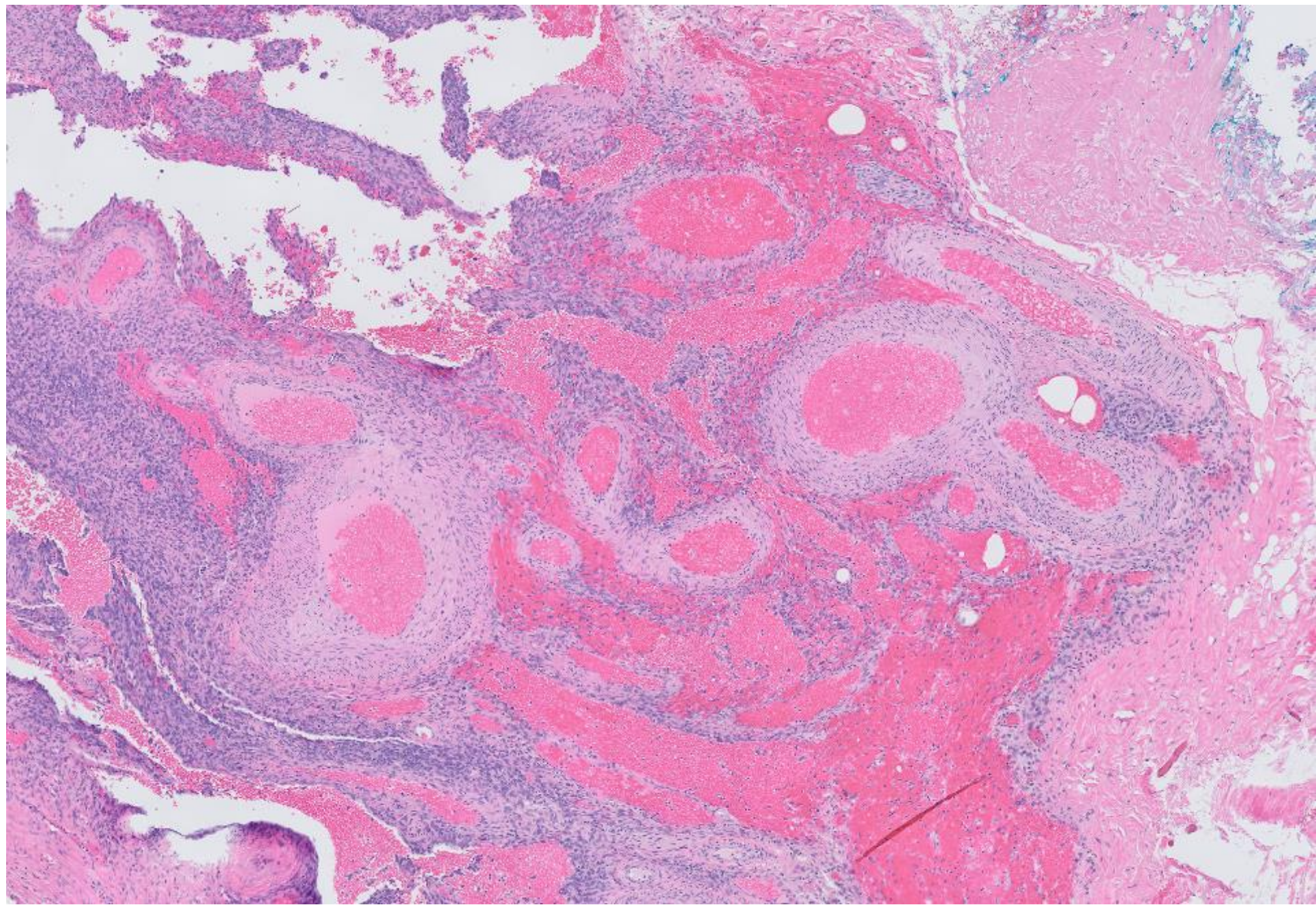


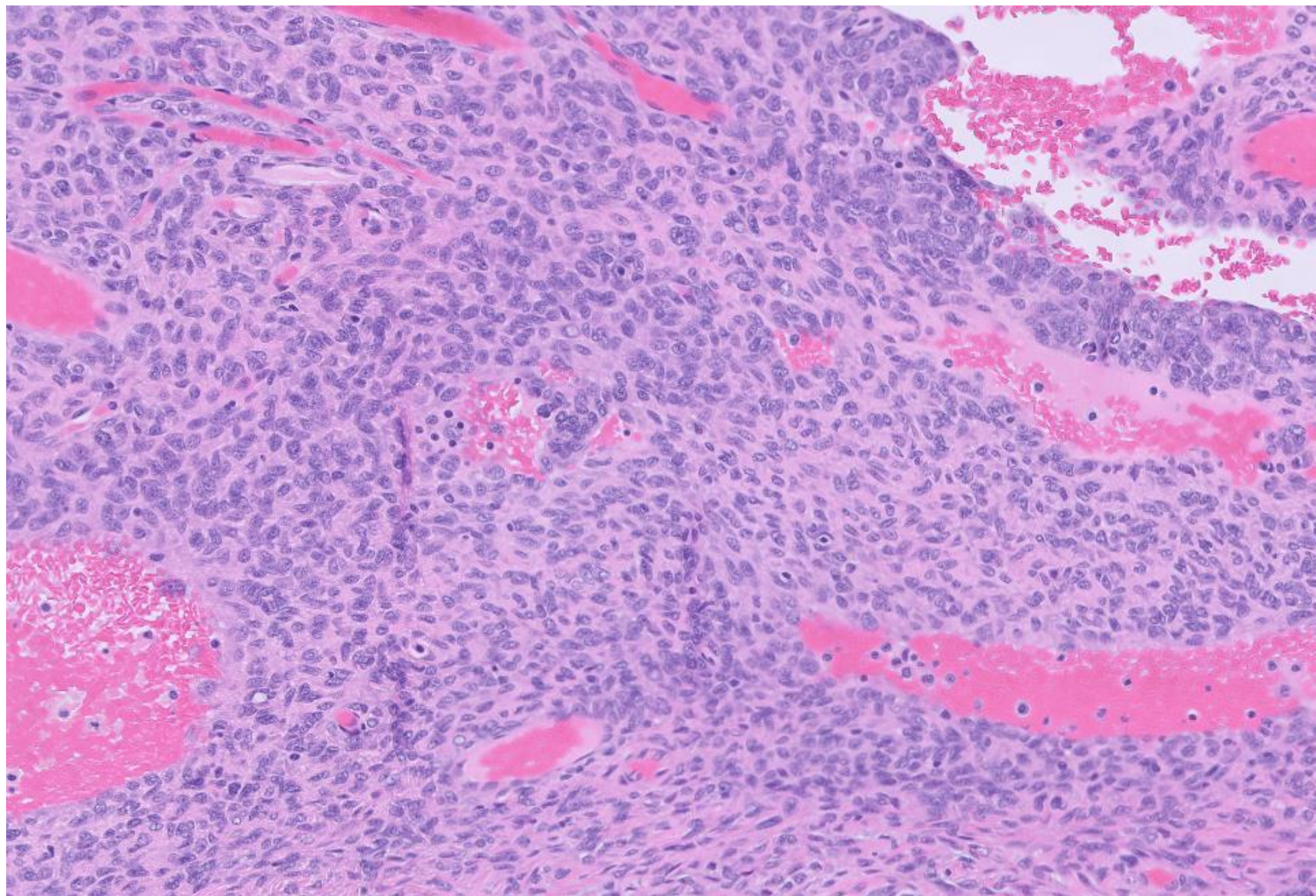


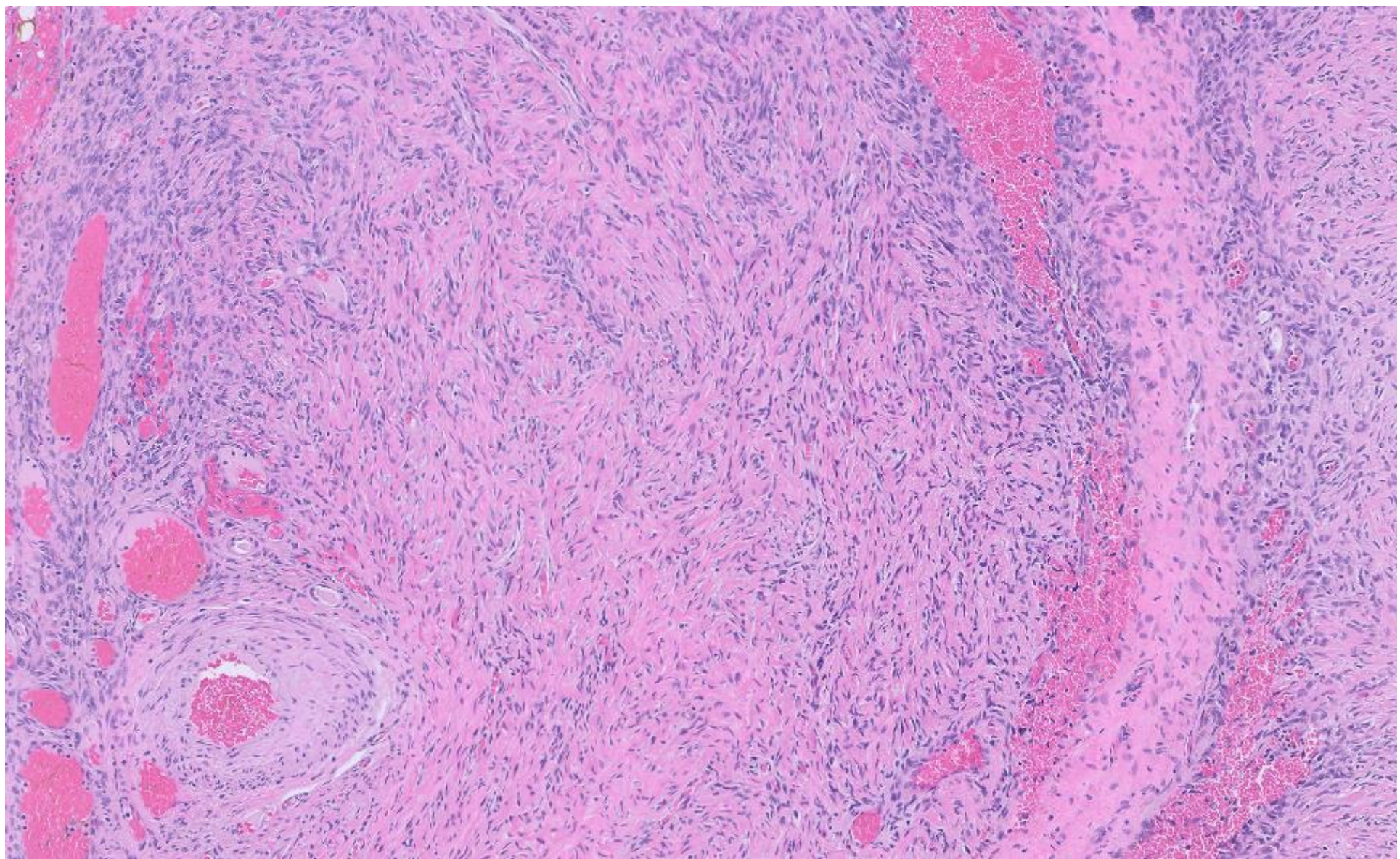












DIAGNOSIS?

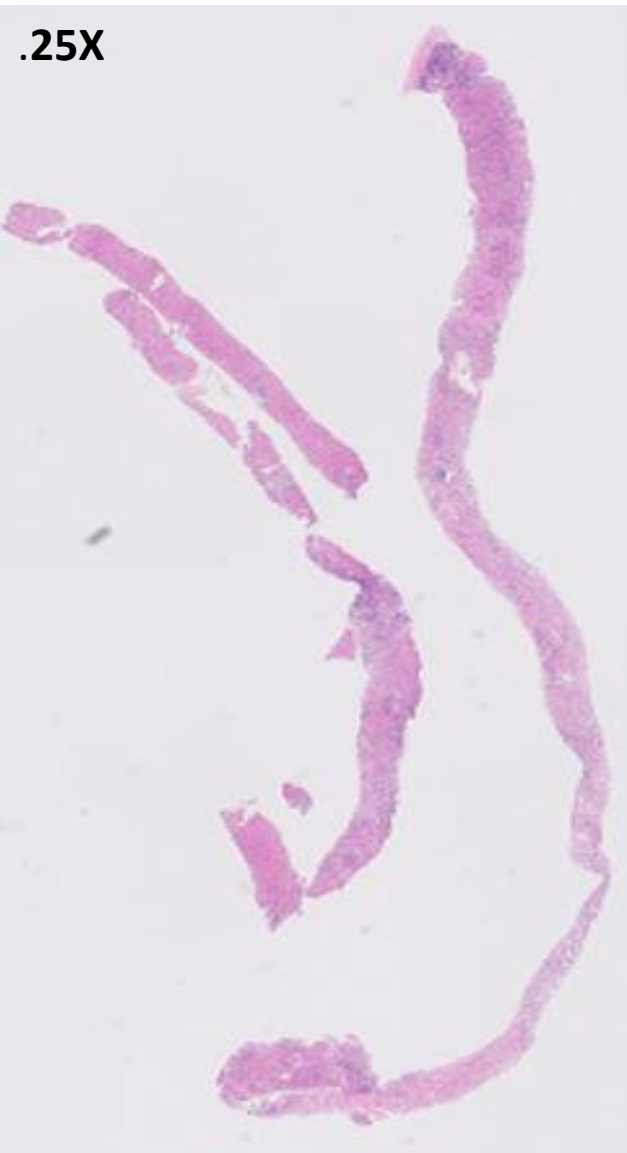


25-0605

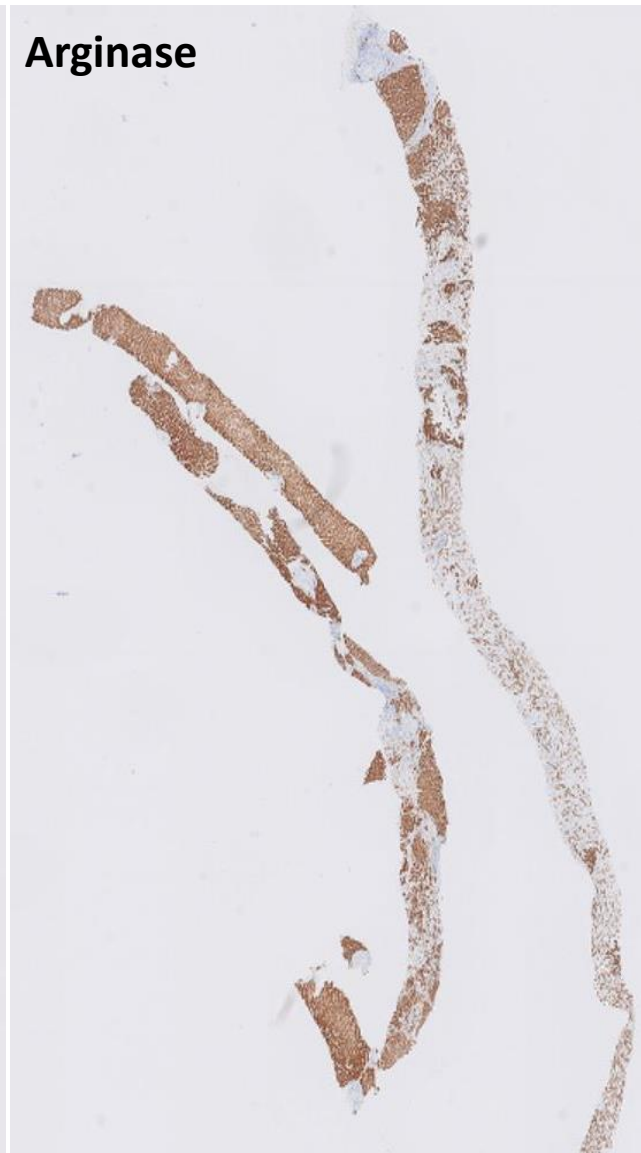
Nazire Albayrak: UCSF

The patient is a 59-year-old woman with elevated CA-125 (57) and a 2.5 cm, incidentally discovered, indeterminate liver mass in segment 3. The patient underwent bilateral salpingo-oophorectomy with no evidence of a tumor.

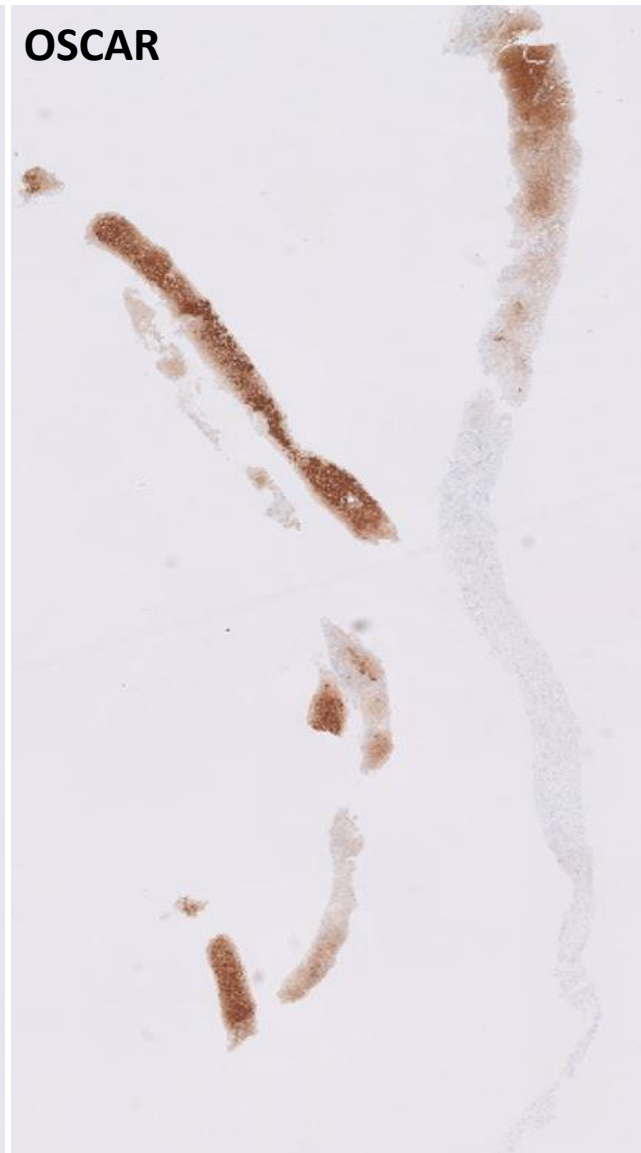
.25X



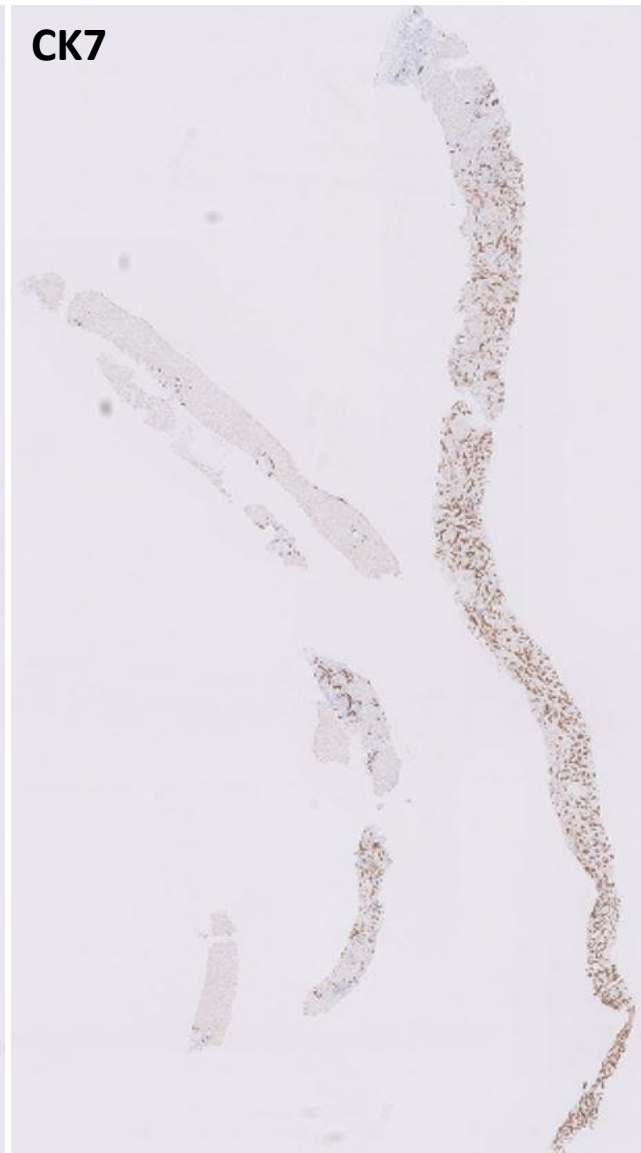
Arginase



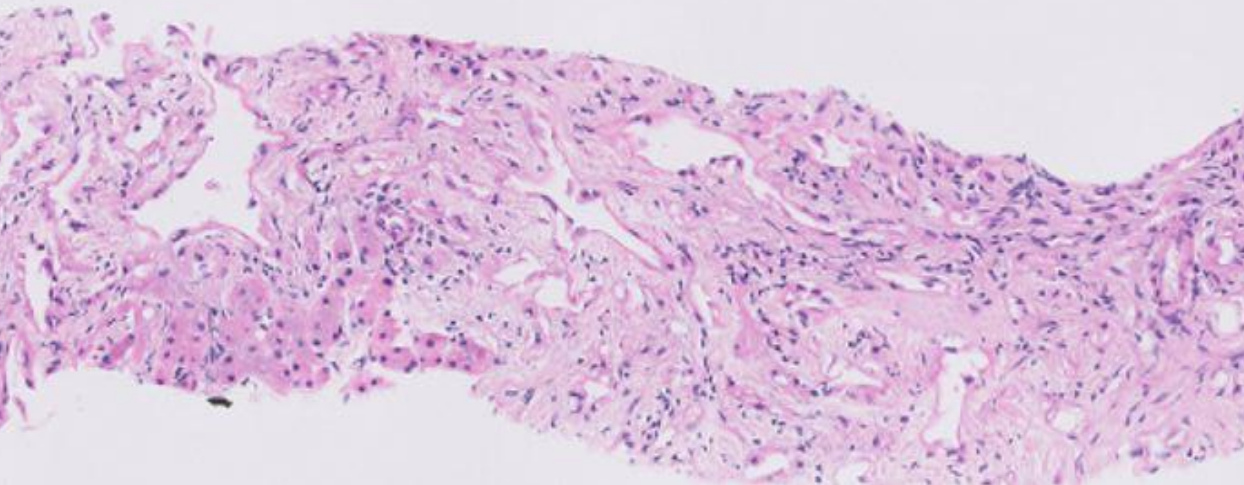
OSCAR



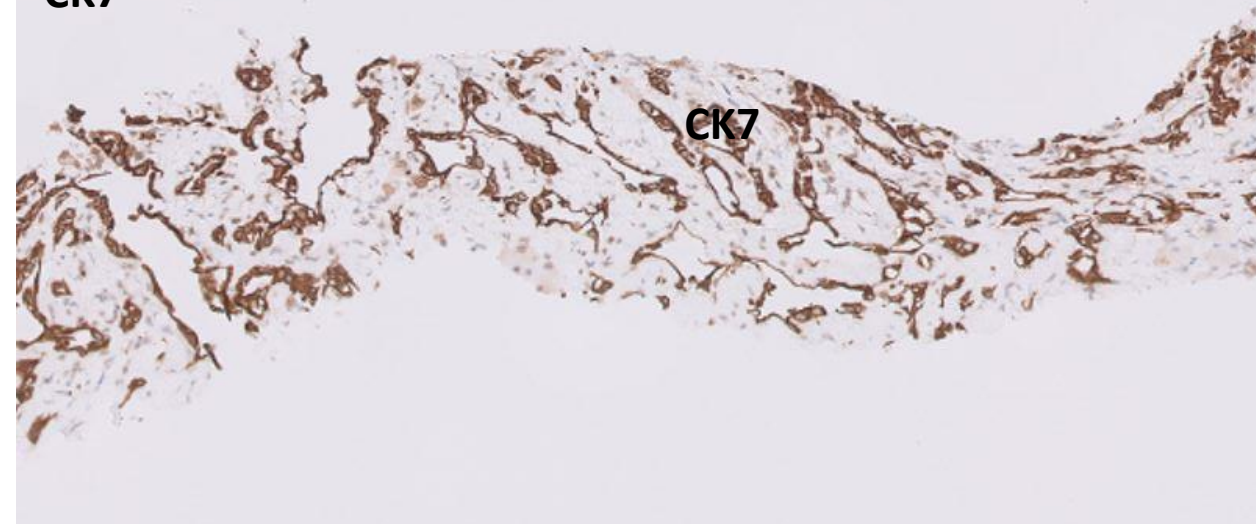
CK7



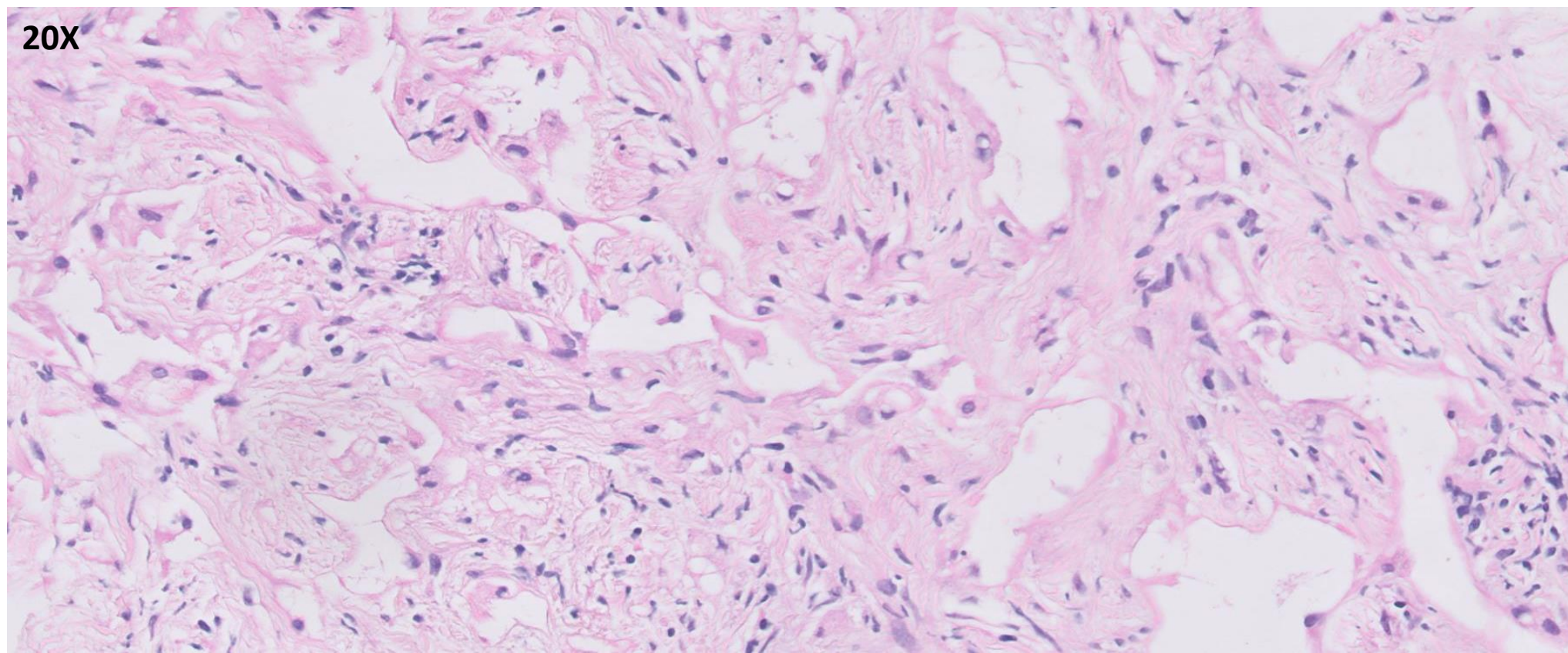
5X



CK7



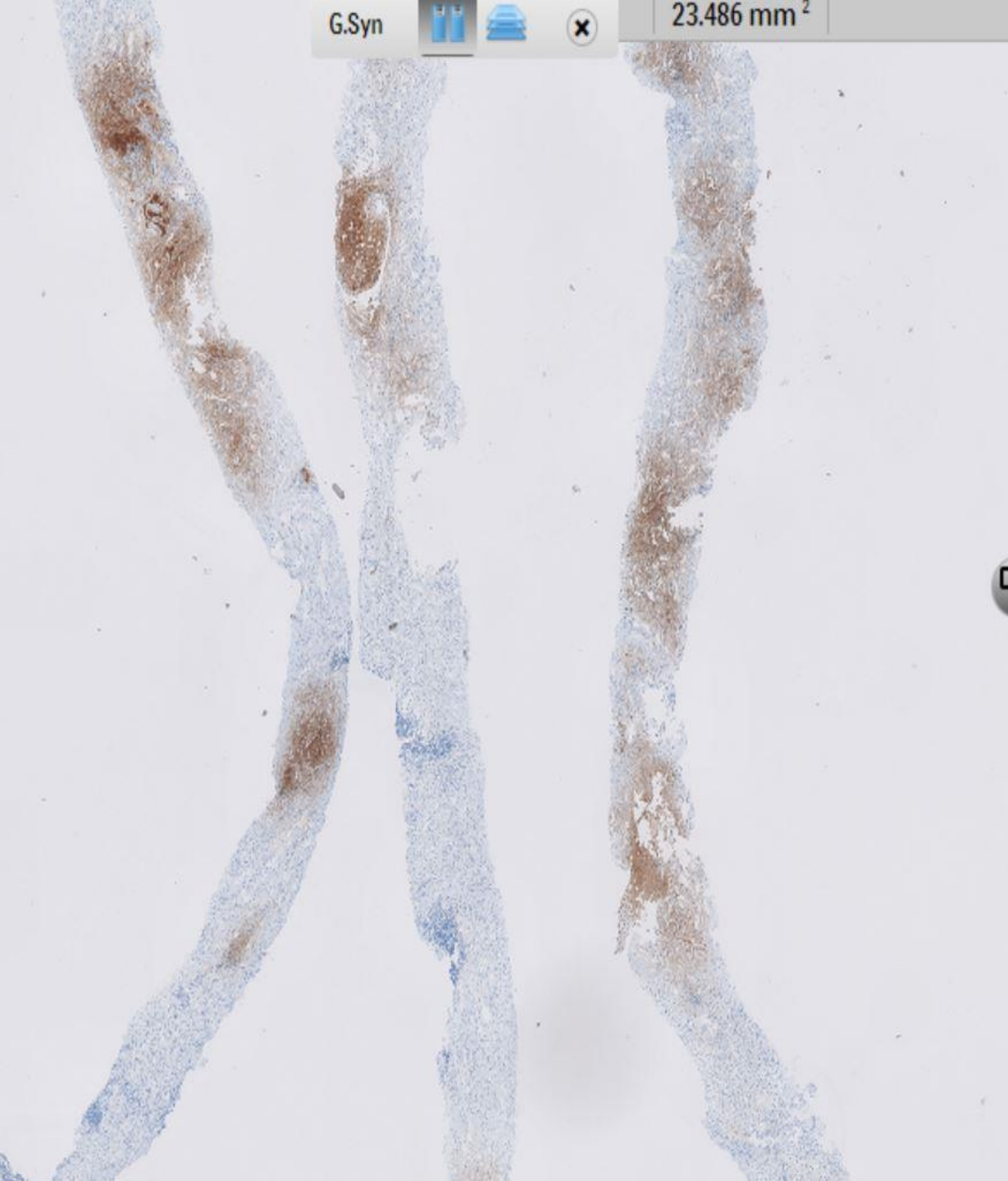
20X



G.Syn



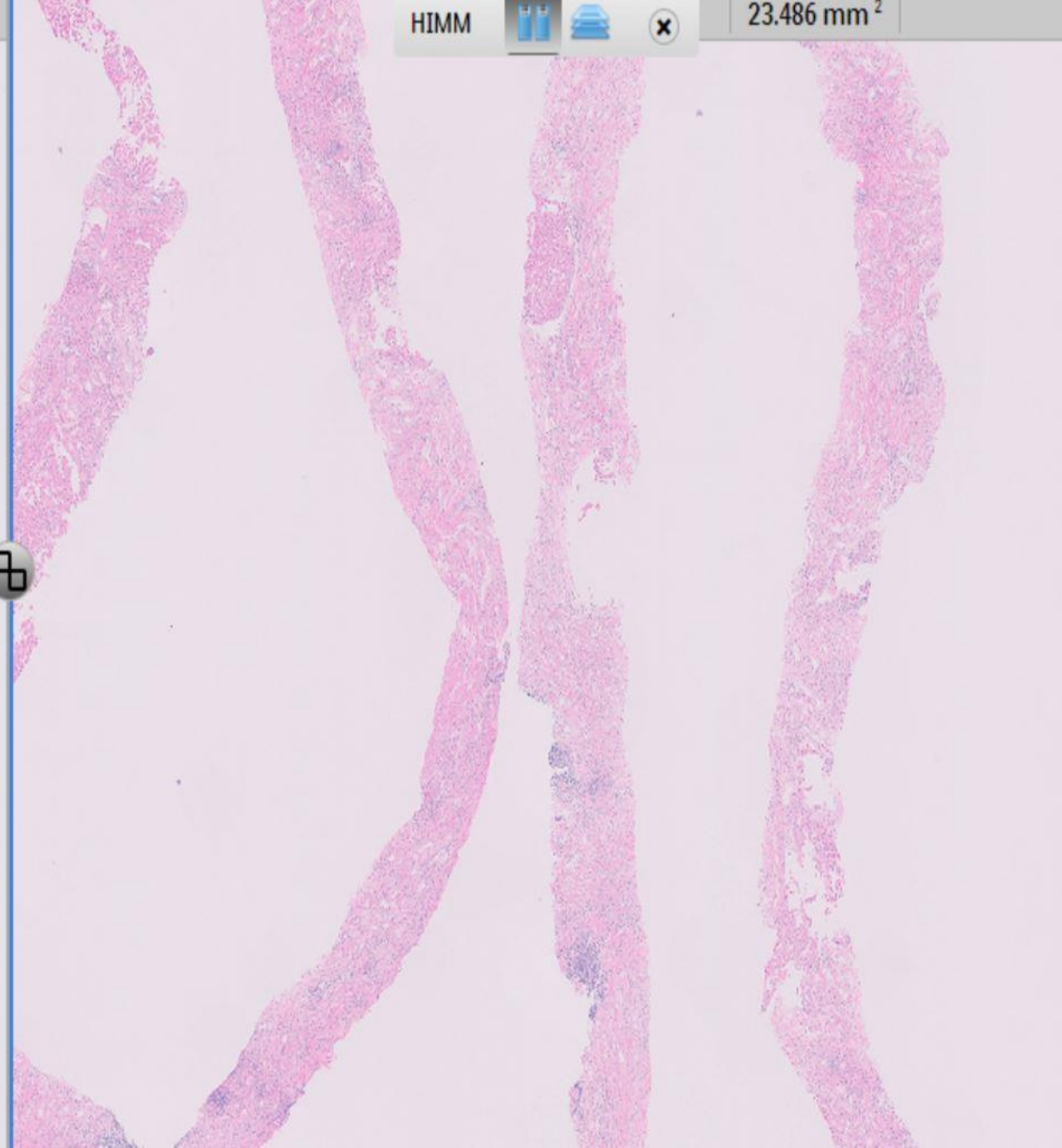
23.486 mm²



HIMM



23.486 mm²



WT1



1.468 mm²

ERG



1.468 mm²



D2



x

23.486 mm²

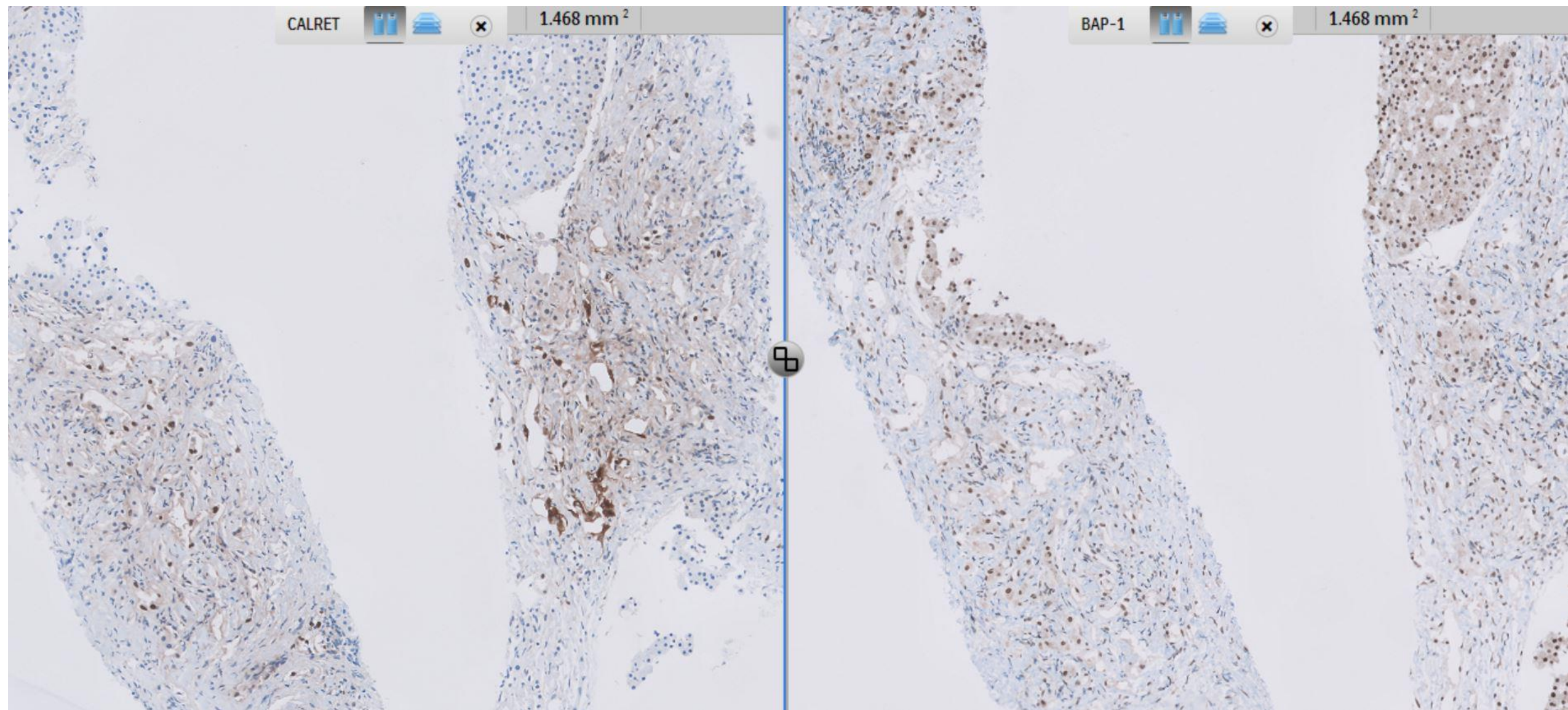
CK7



x

23.486 mm²





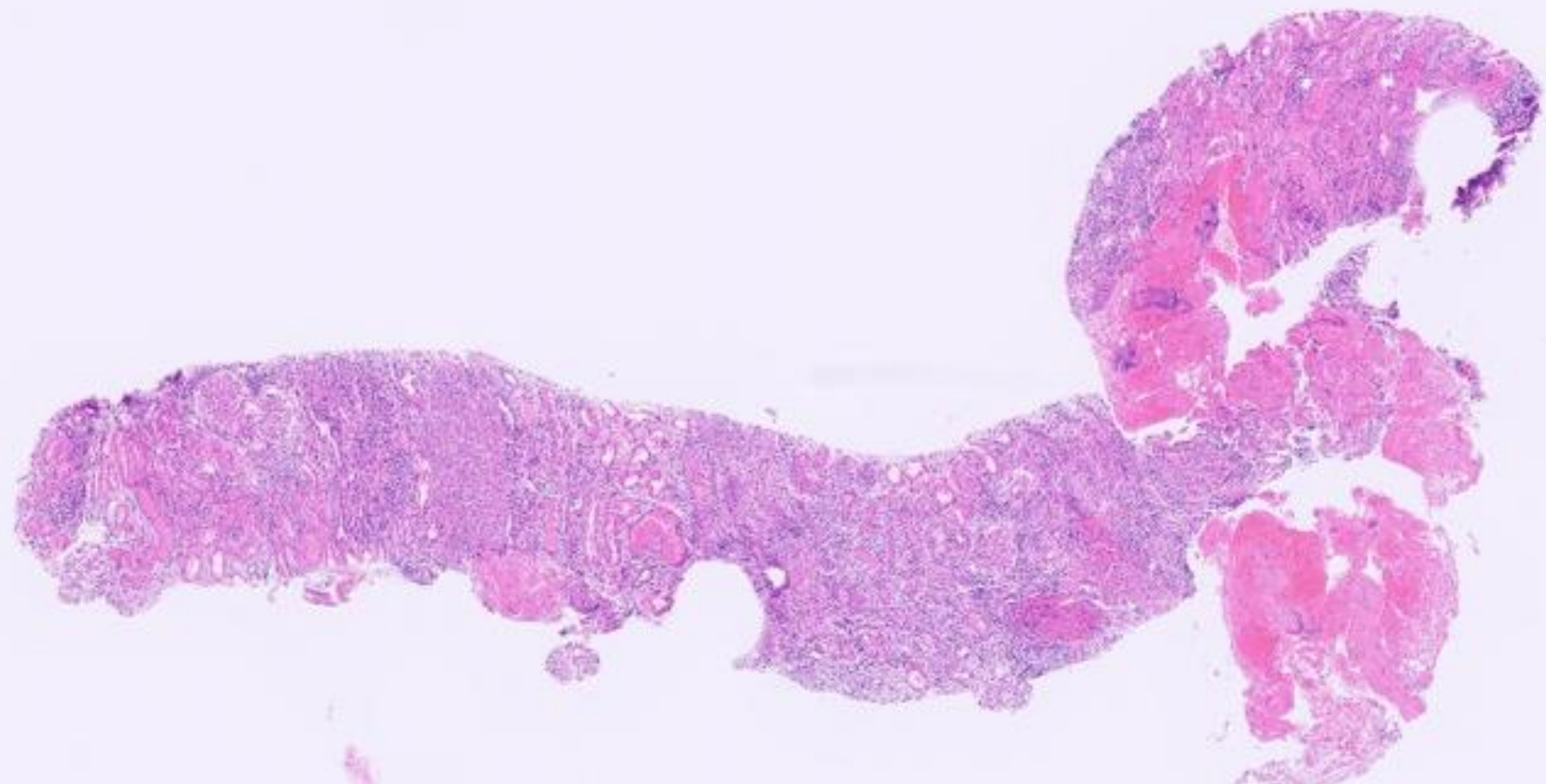
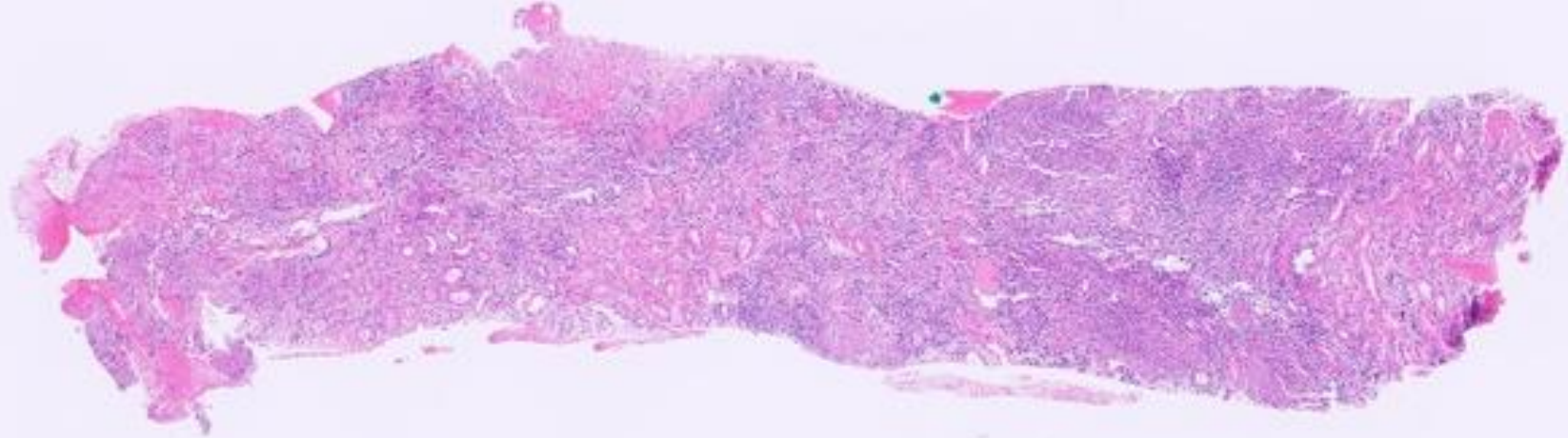
DIAGNOSIS?

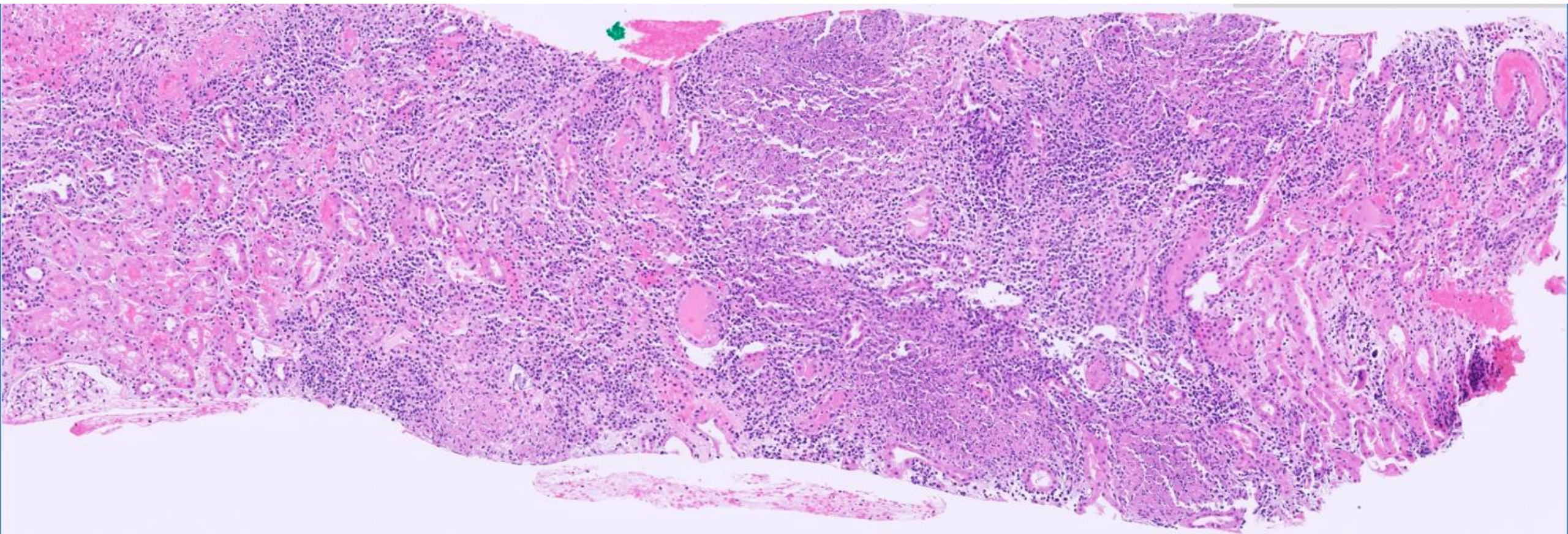


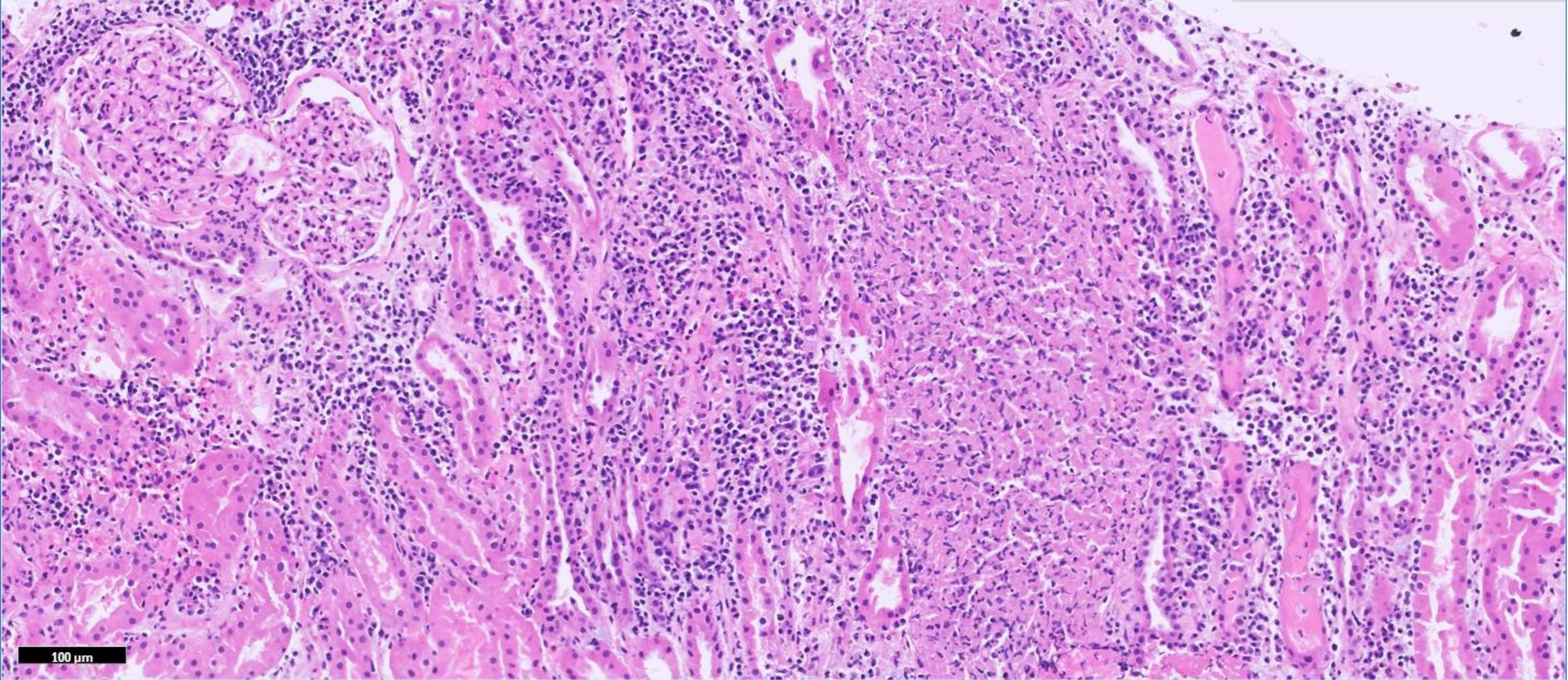
25-0606

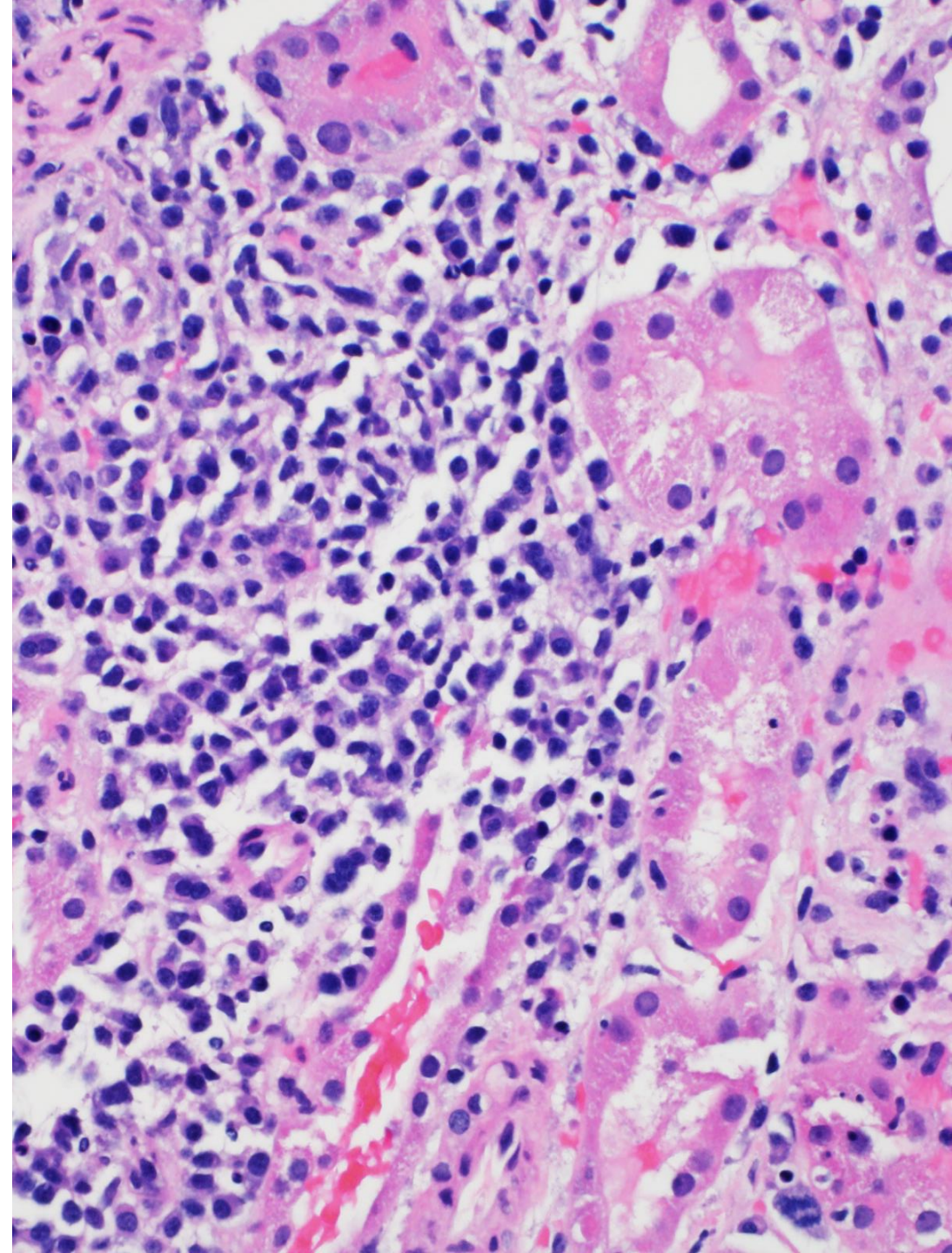
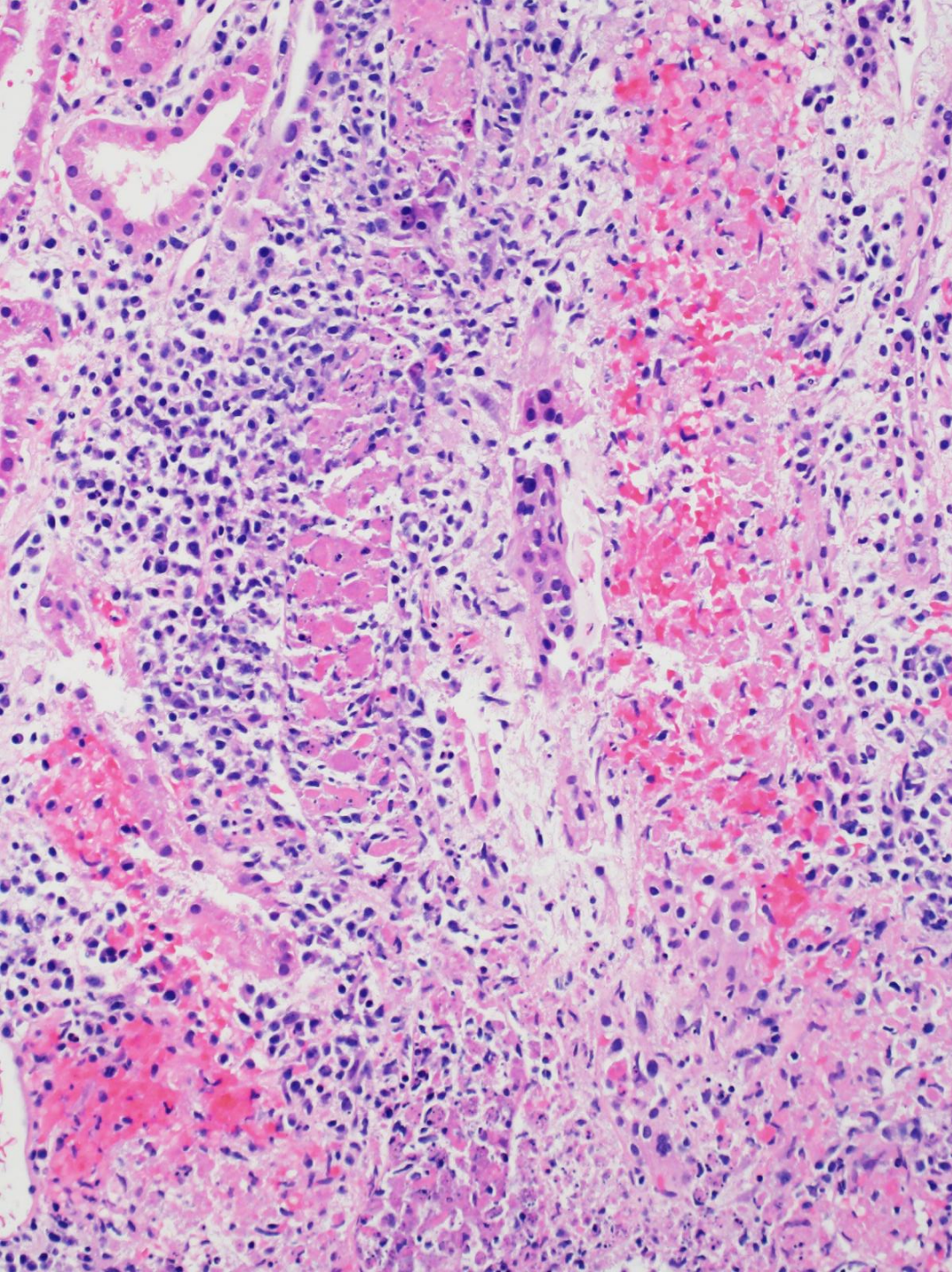
Megan Troxell, Stanford; John Moretto, CPMC

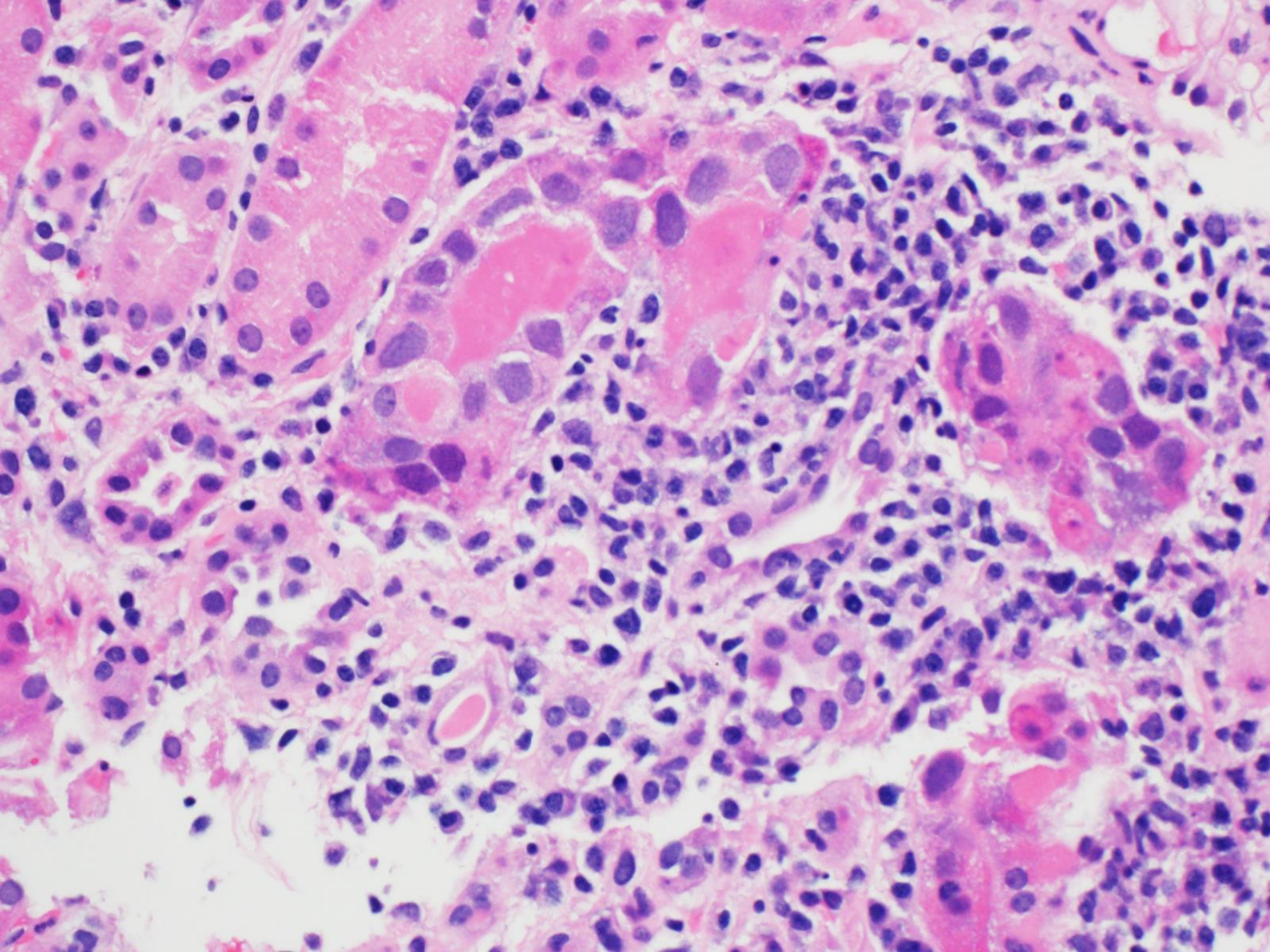
40 year old woman with kidney transplant and fevers x 1 month;
2nd kidney biopsy

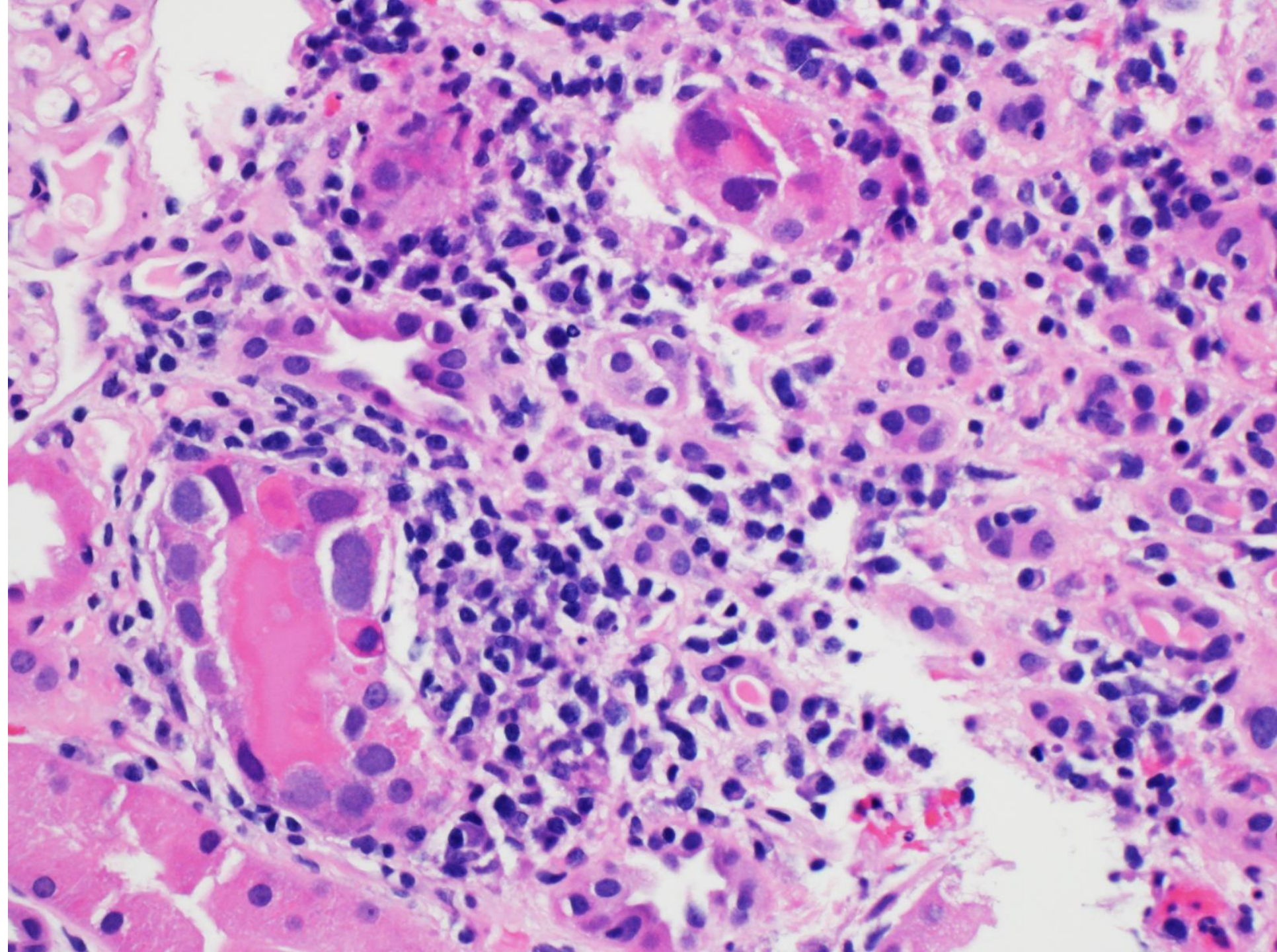












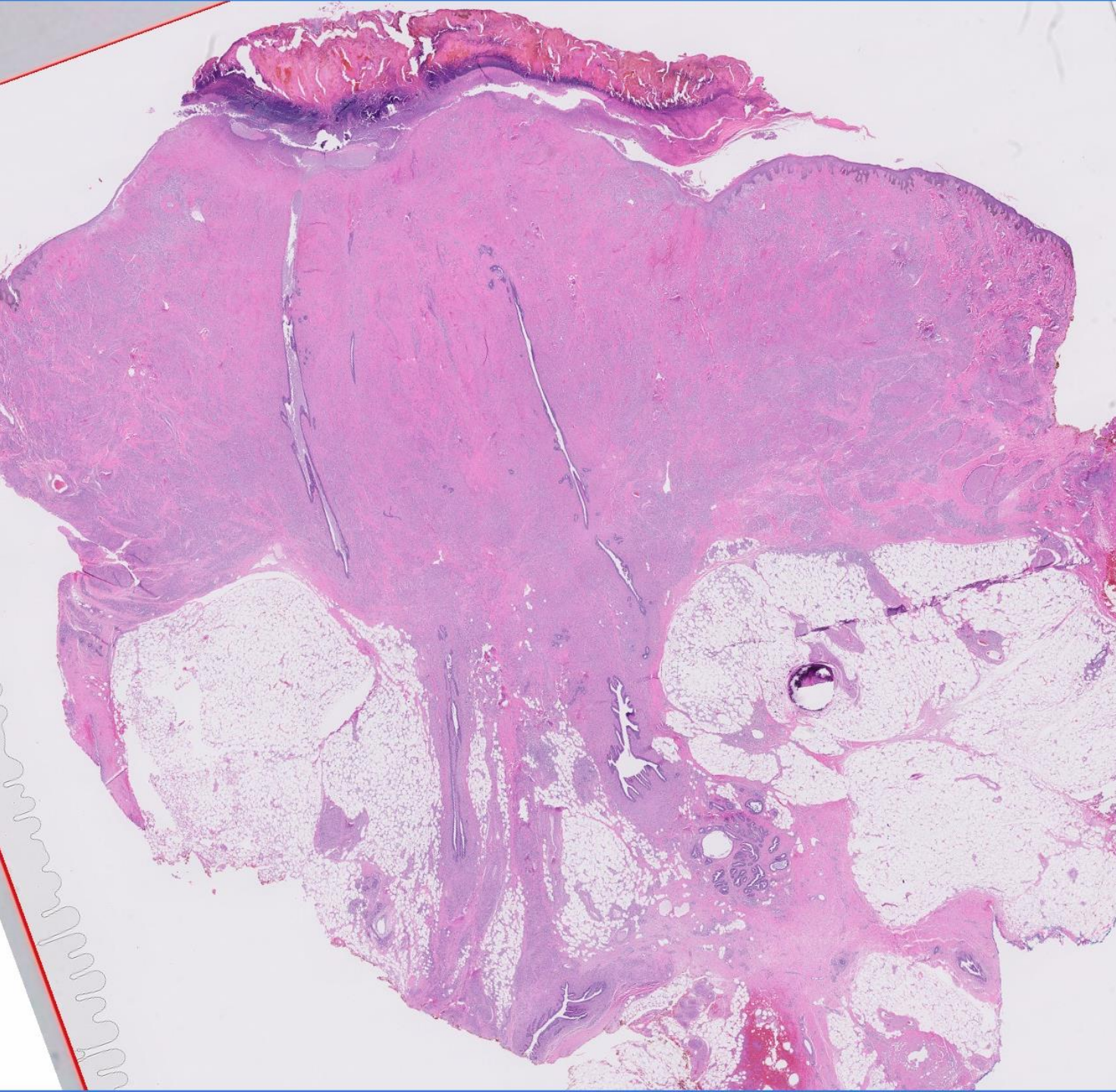
DIAGNOSIS?



25-0607

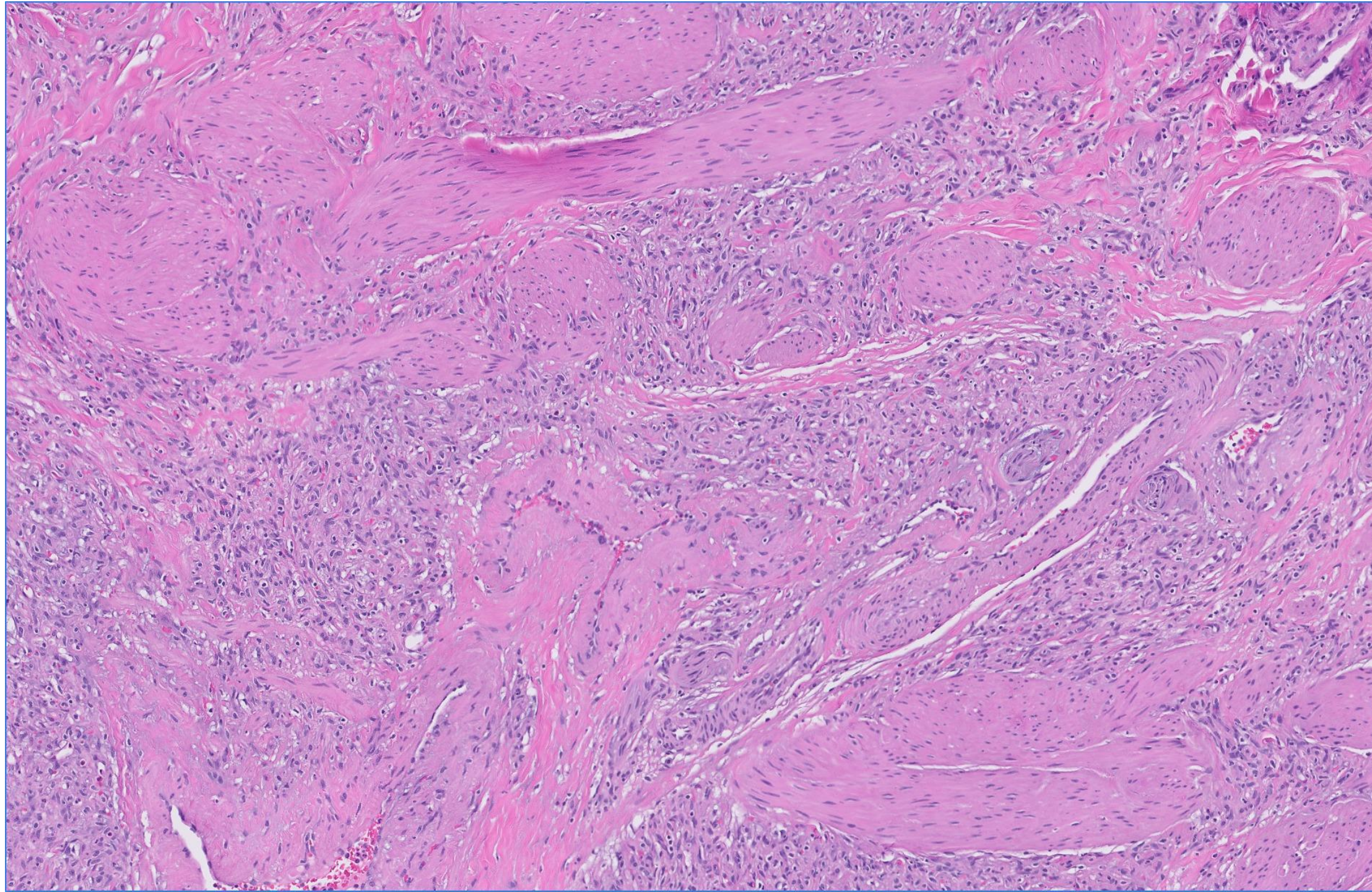
Megan Troxell; Stanford

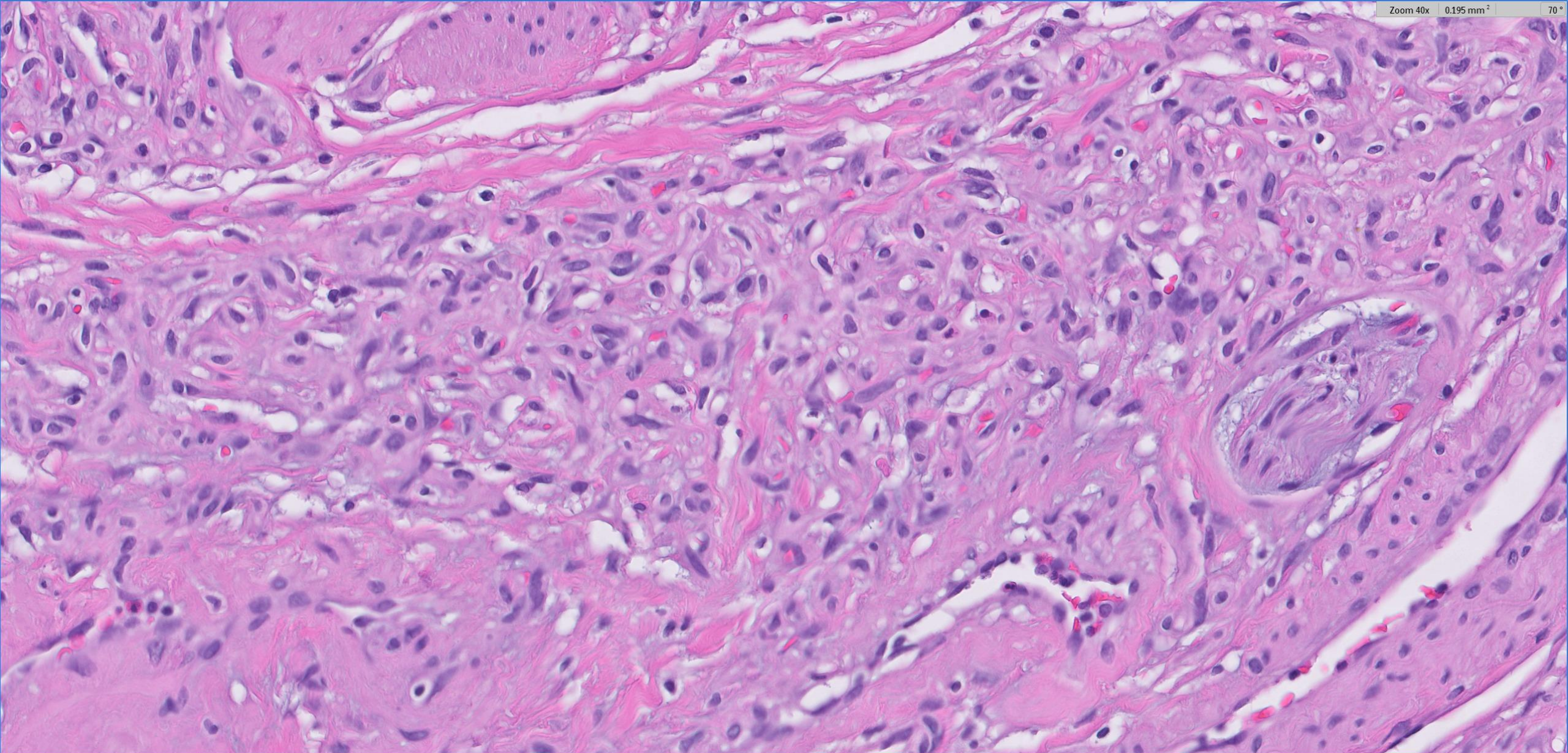
55 year old woman with breast pain and lesion



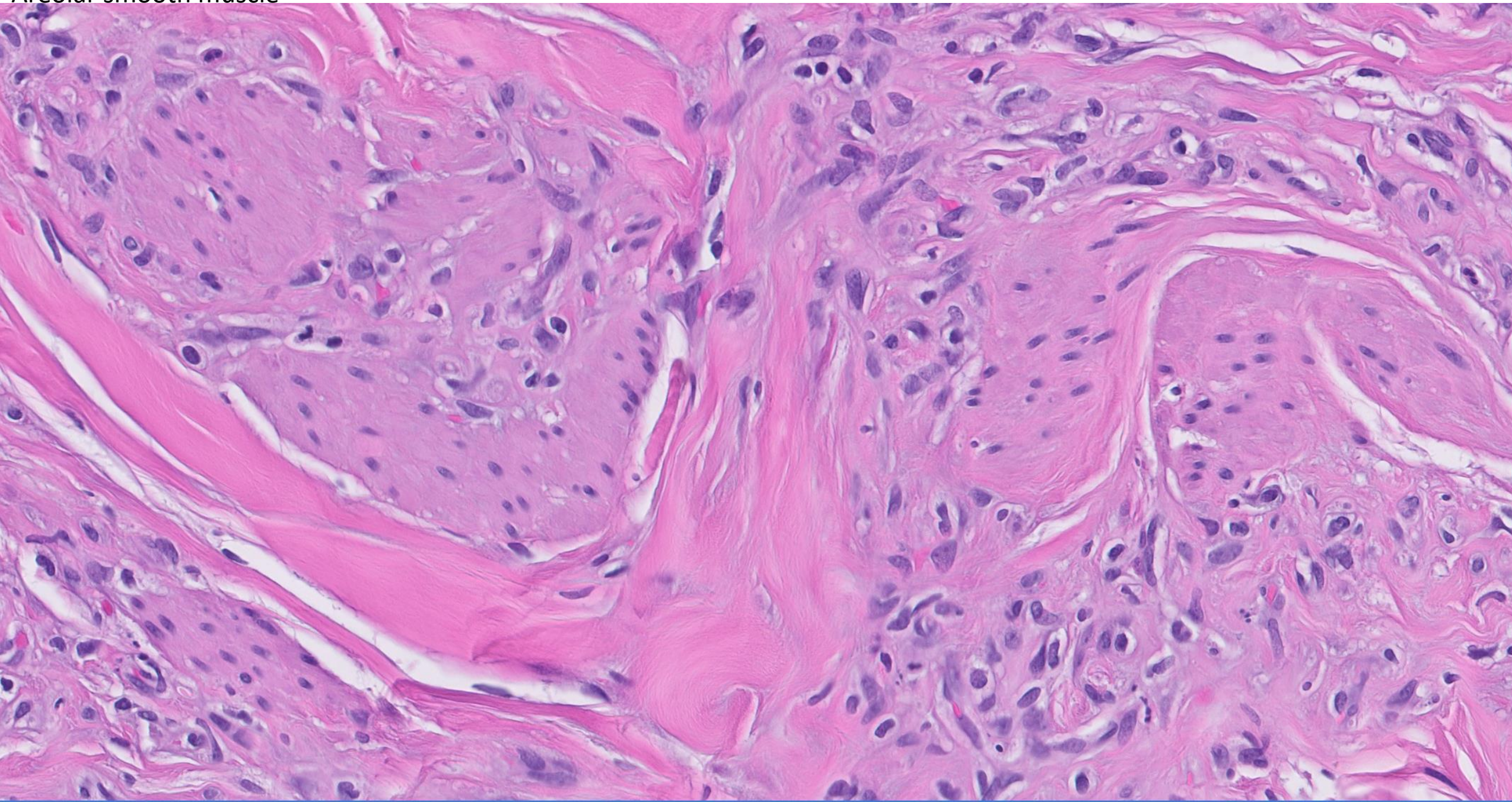
R nipple areola

- 55 year old woman
- No history of breast cancer
- No history of XRT

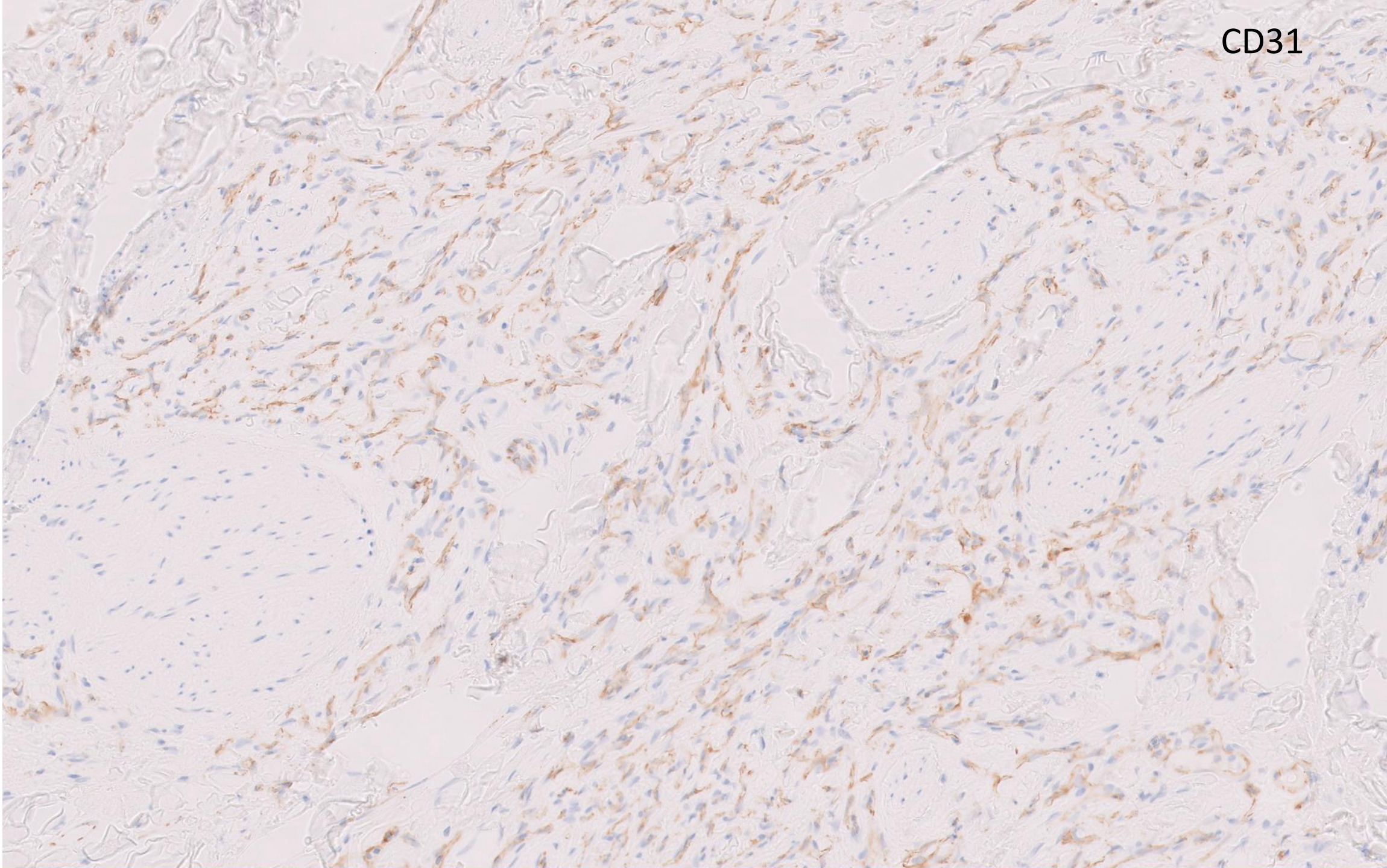




Areolar smooth muscle



CD31



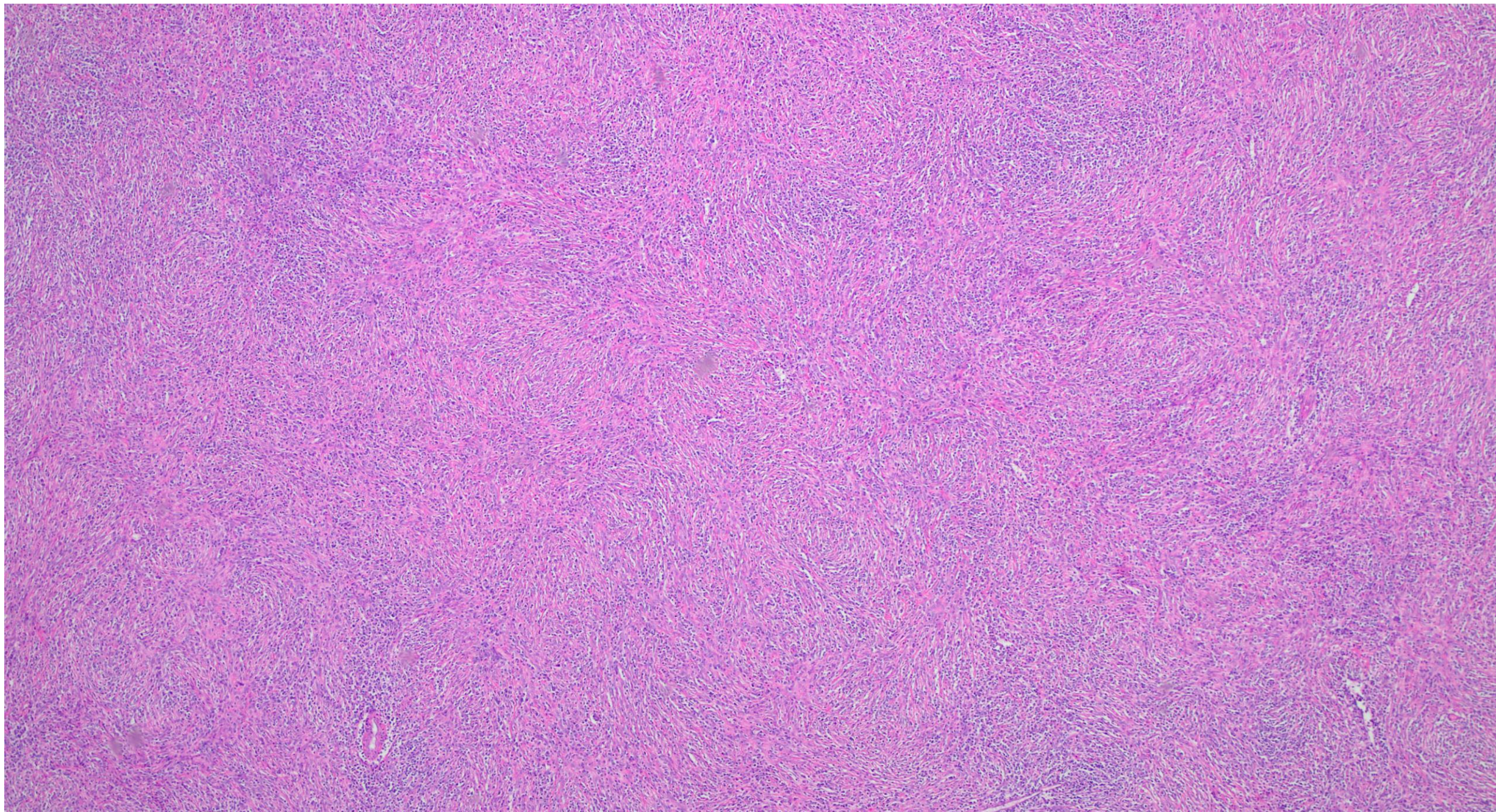
DIAGNOSIS?

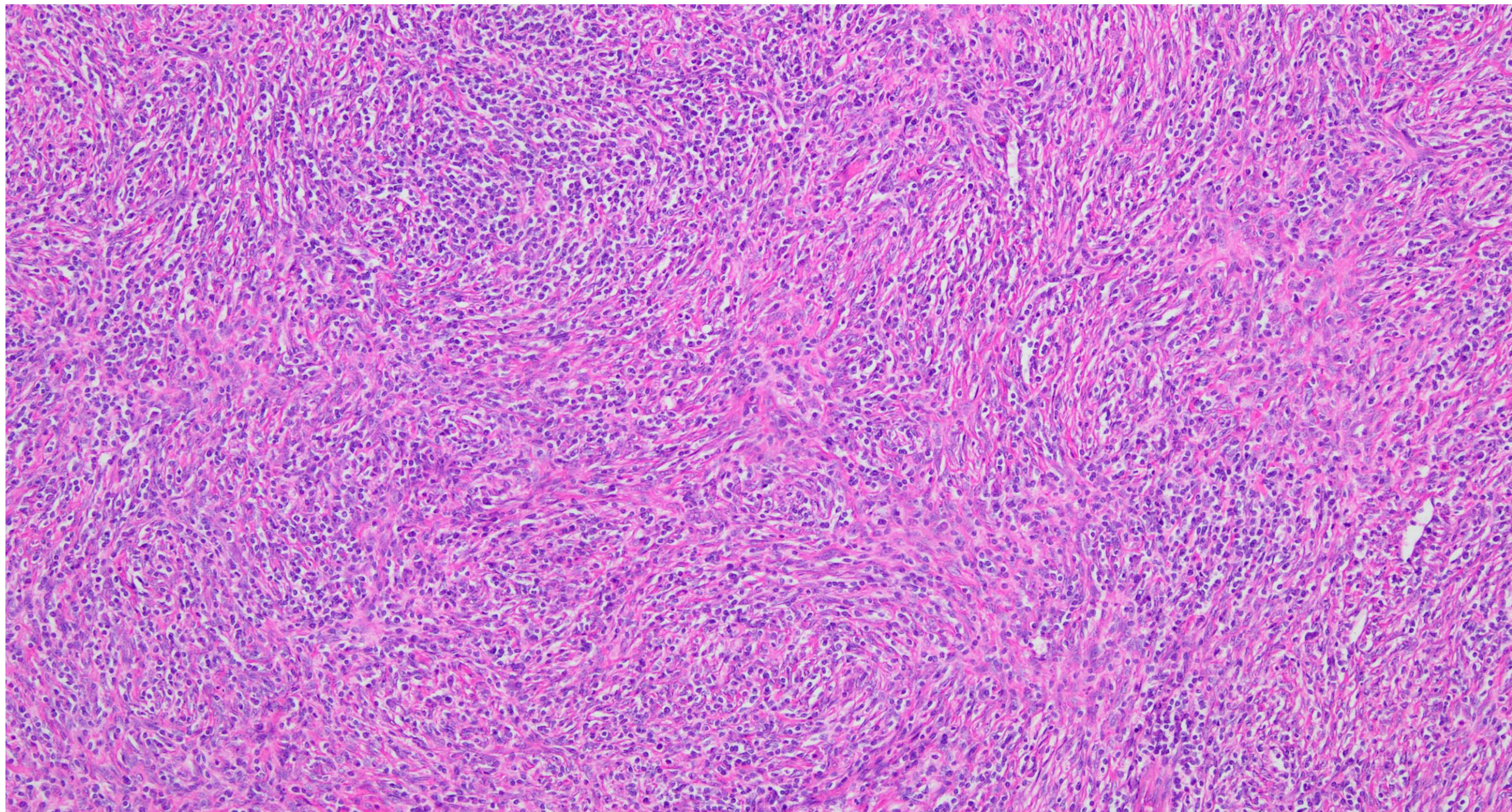


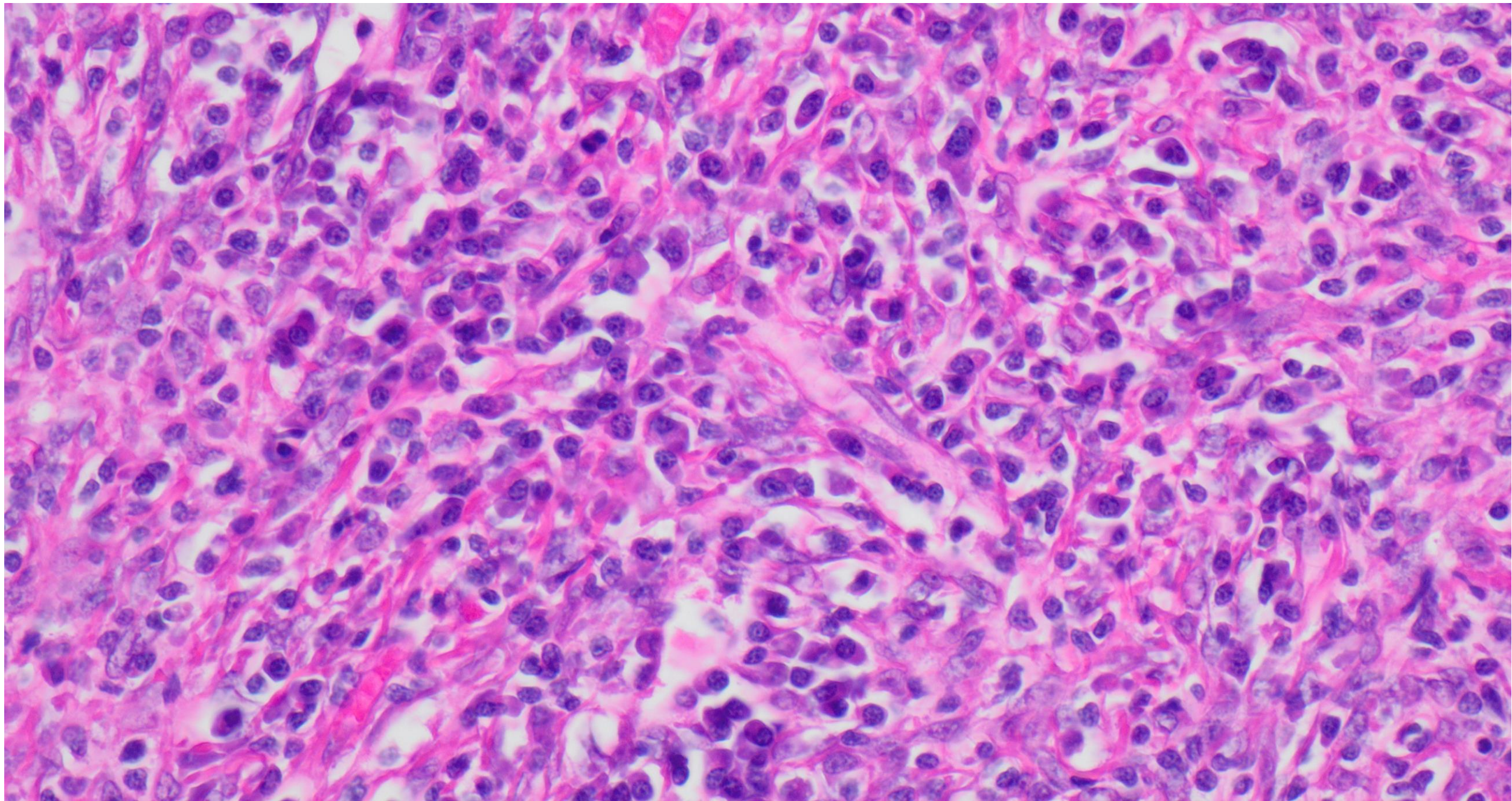
25-0608

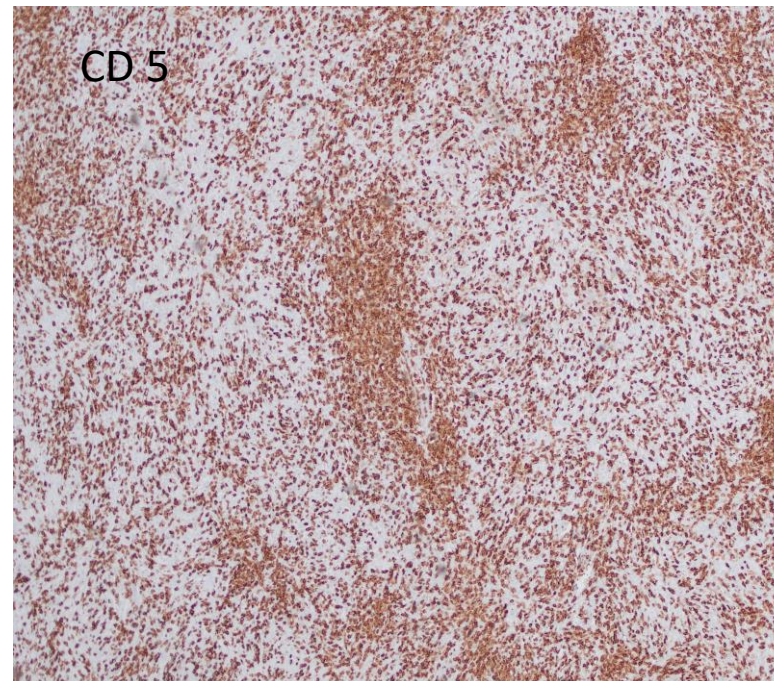
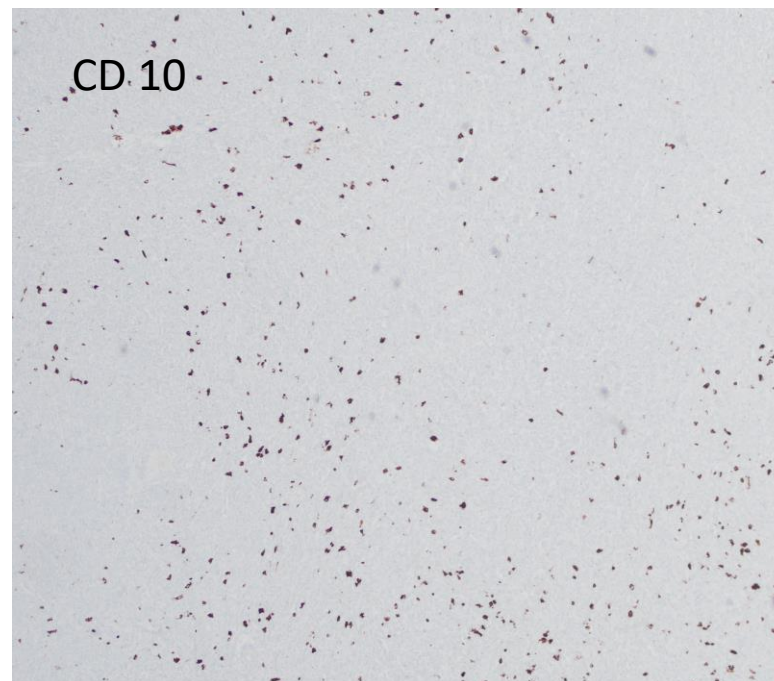
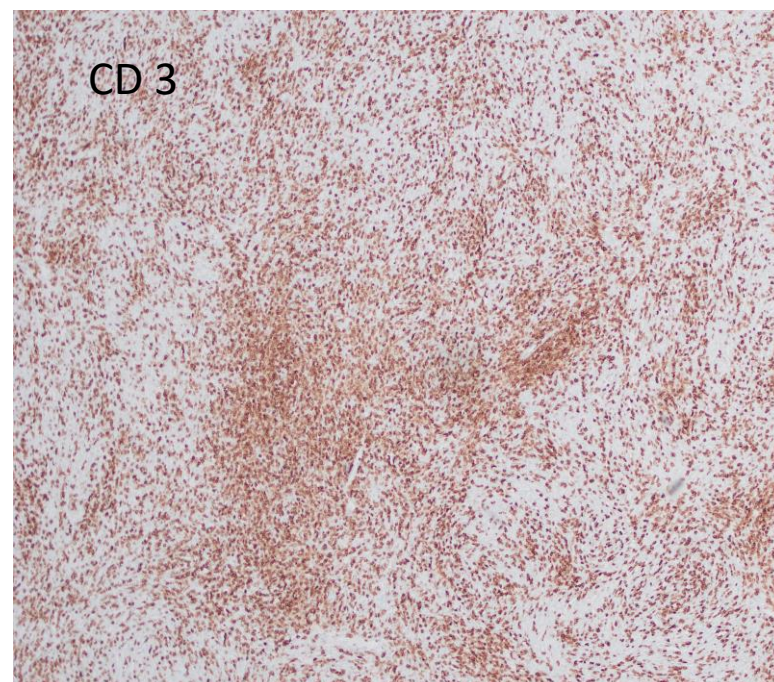
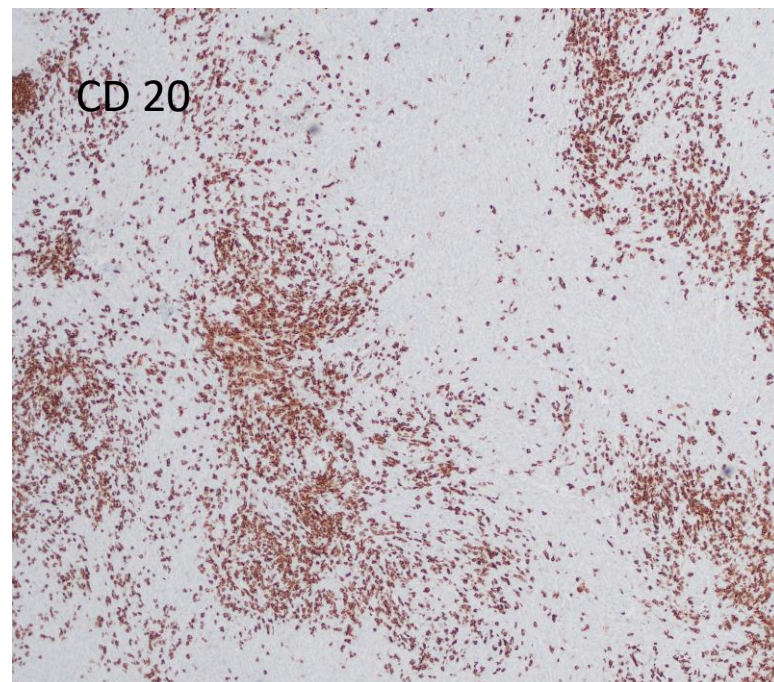
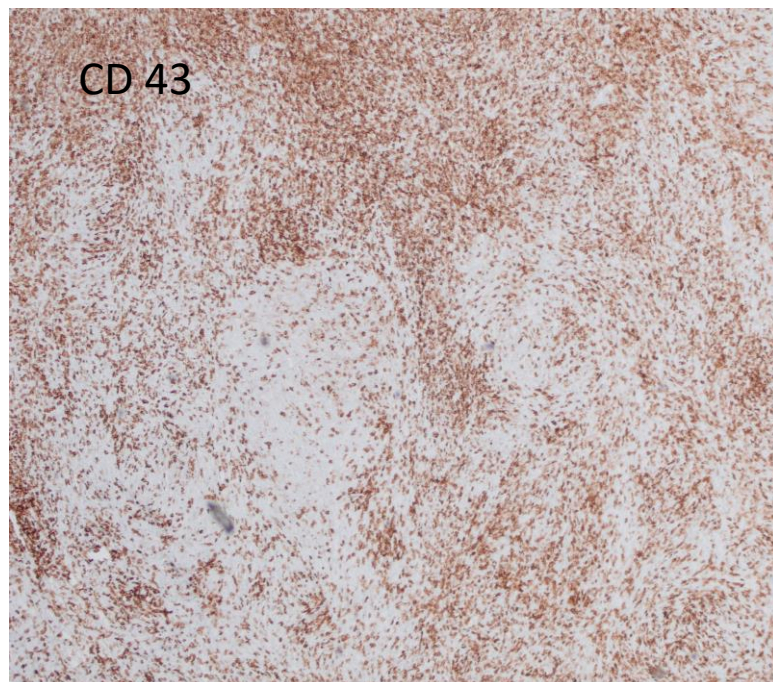
Margarita Muñoz de Toro, Annie Wu; Stanford (VA)

56-year-old man with a symptomatic 5 cm splenic mass. Underwent splenectomy

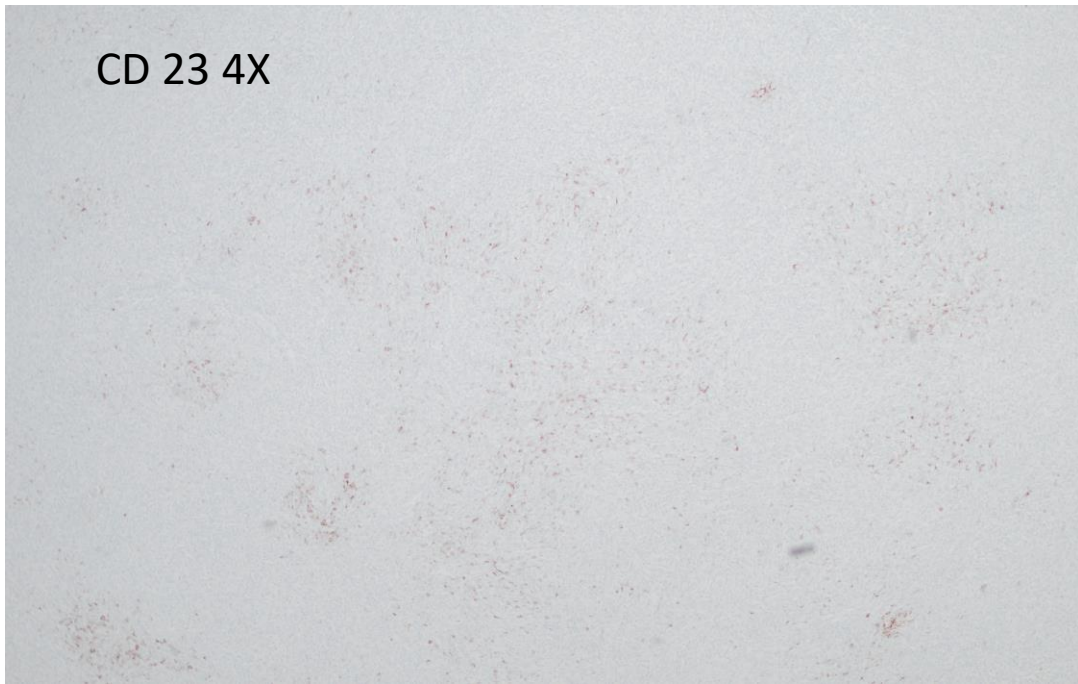




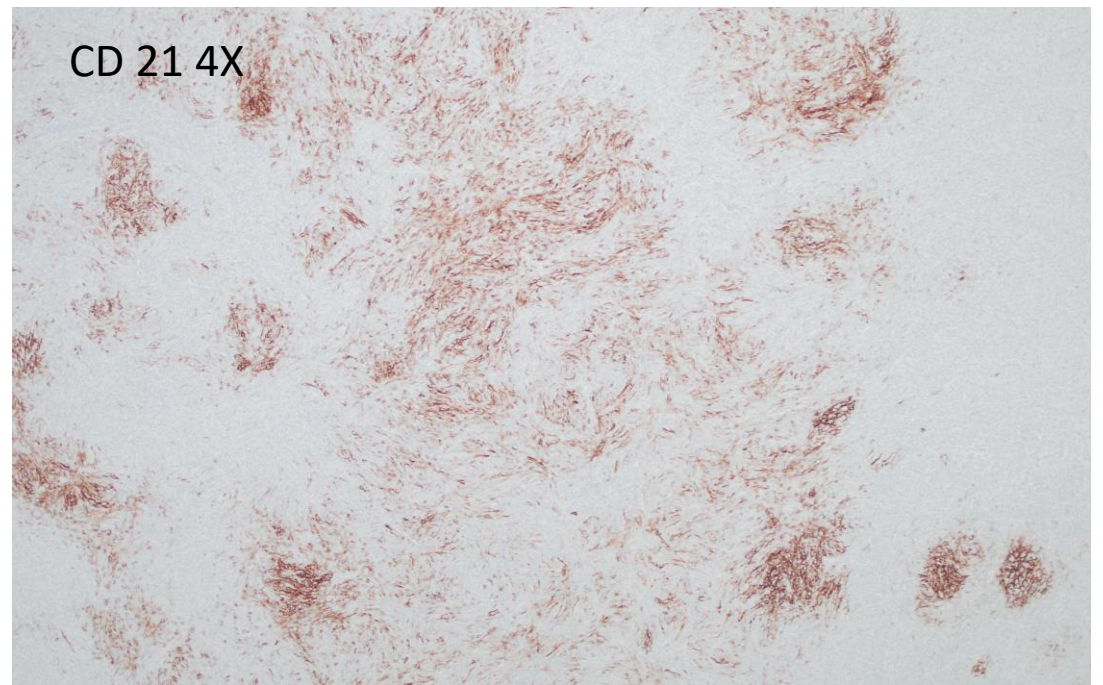




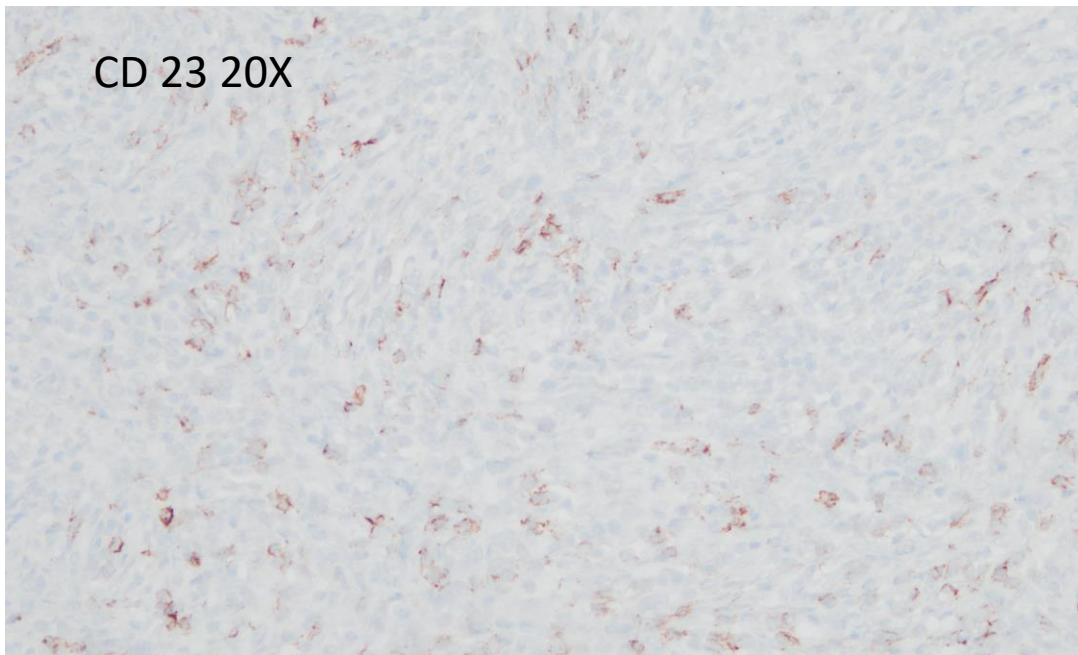
CD 23 4X



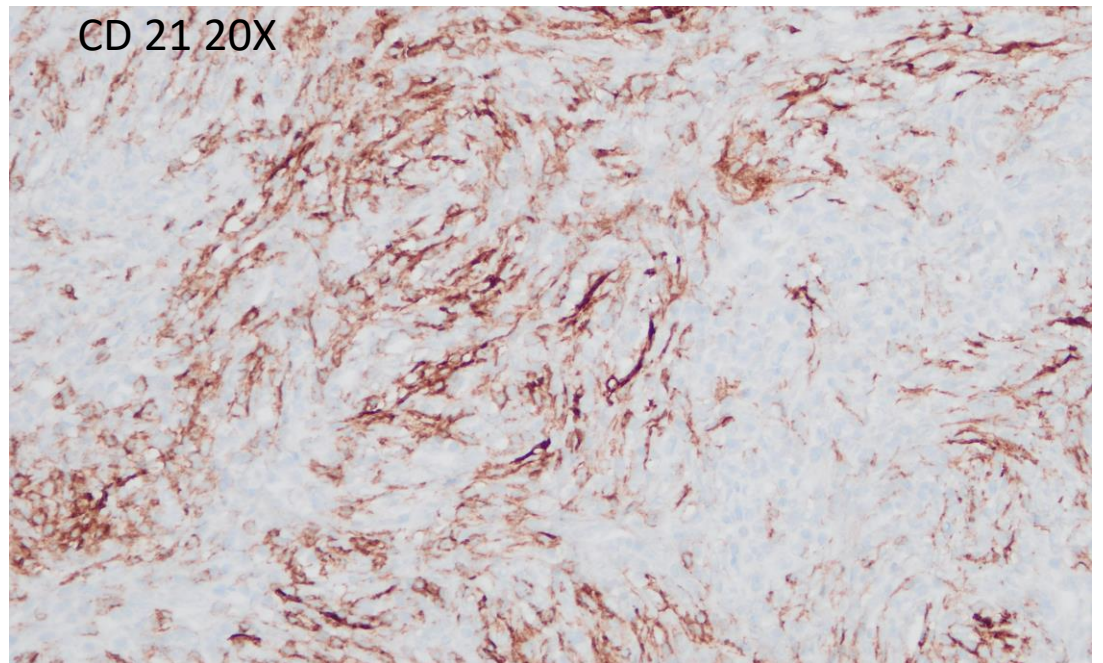
CD 21 4X



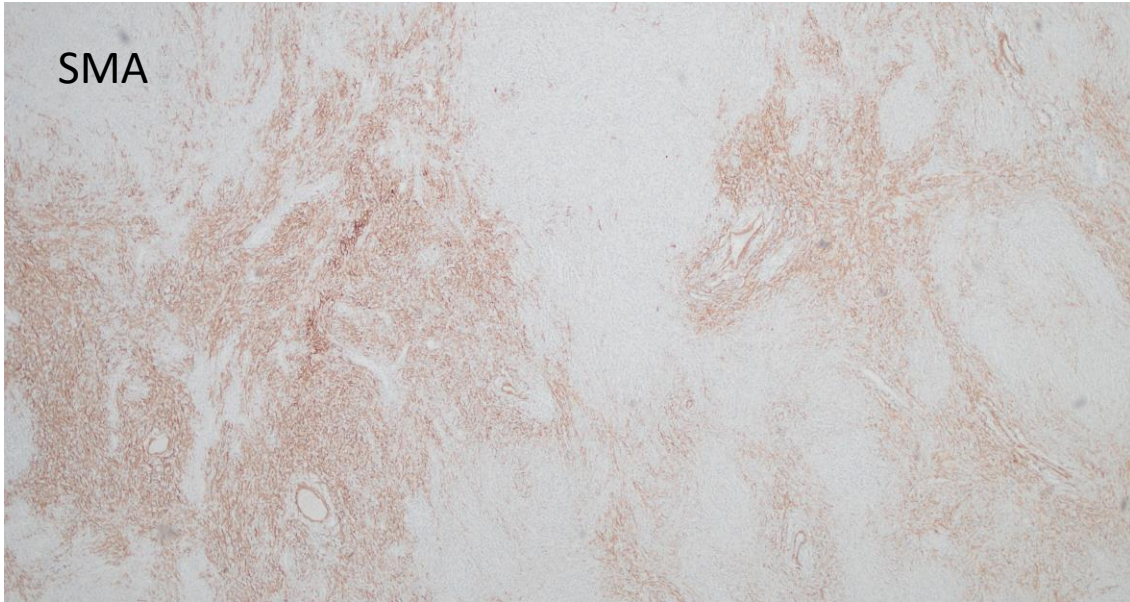
CD 23 20X



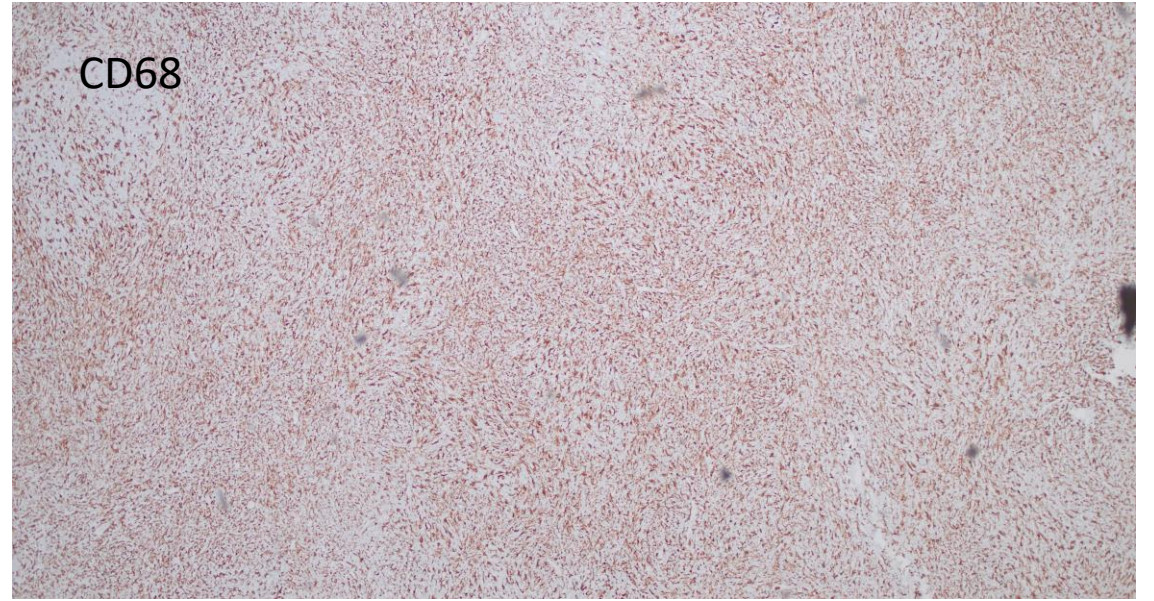
CD 21 20X



SMA



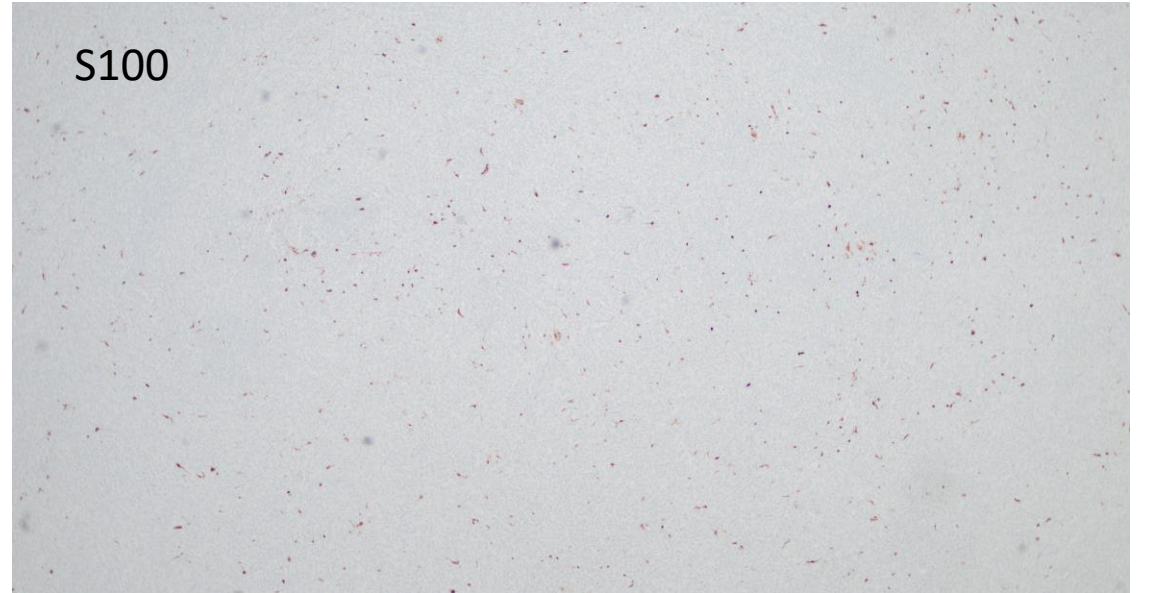
CD68



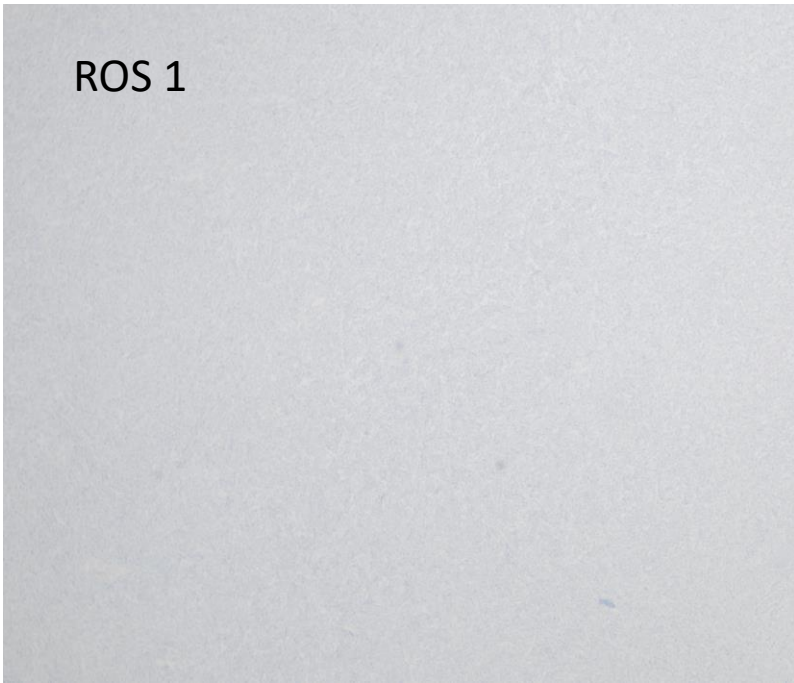
DESMIN



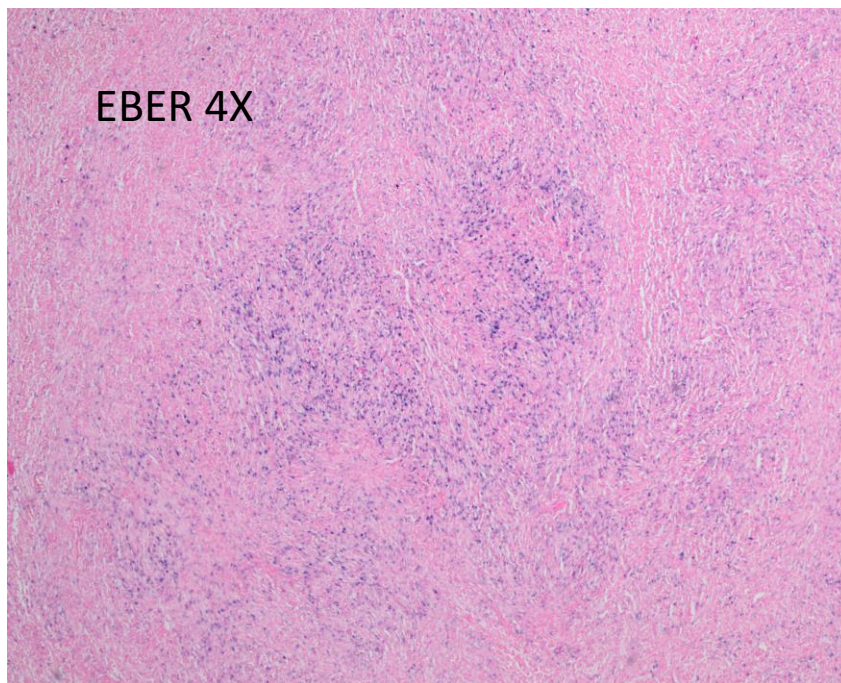
S100



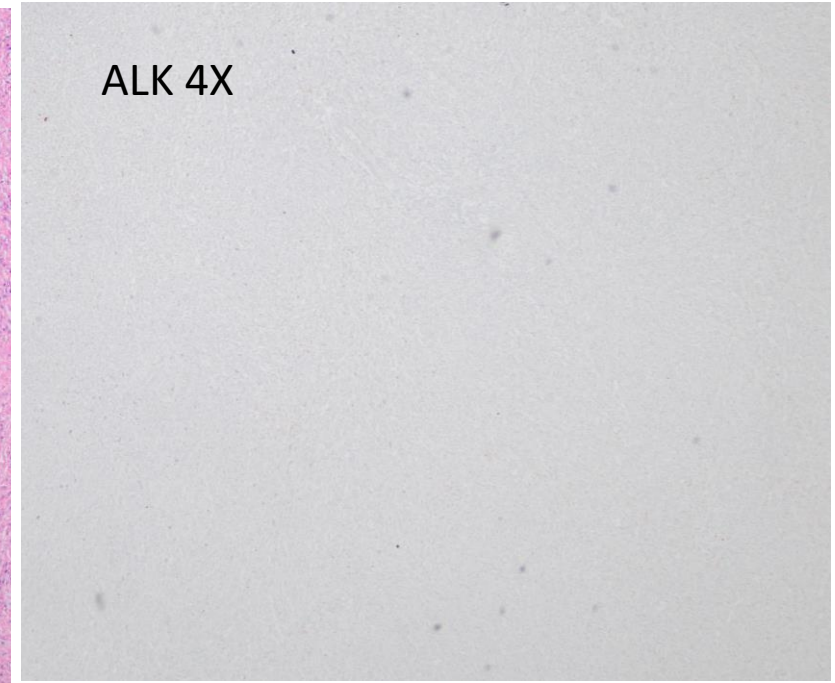
ROS 1



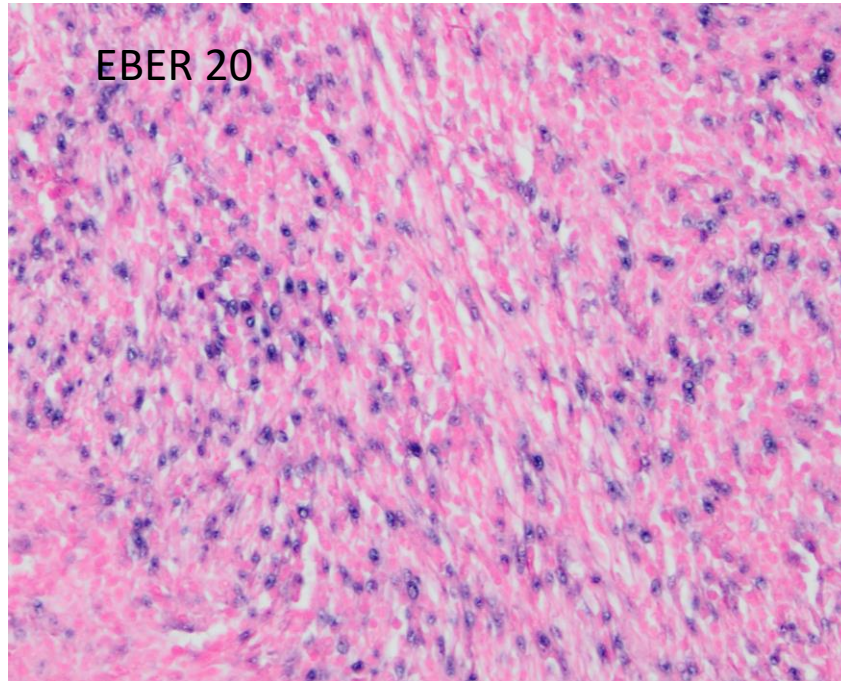
EBER 4X



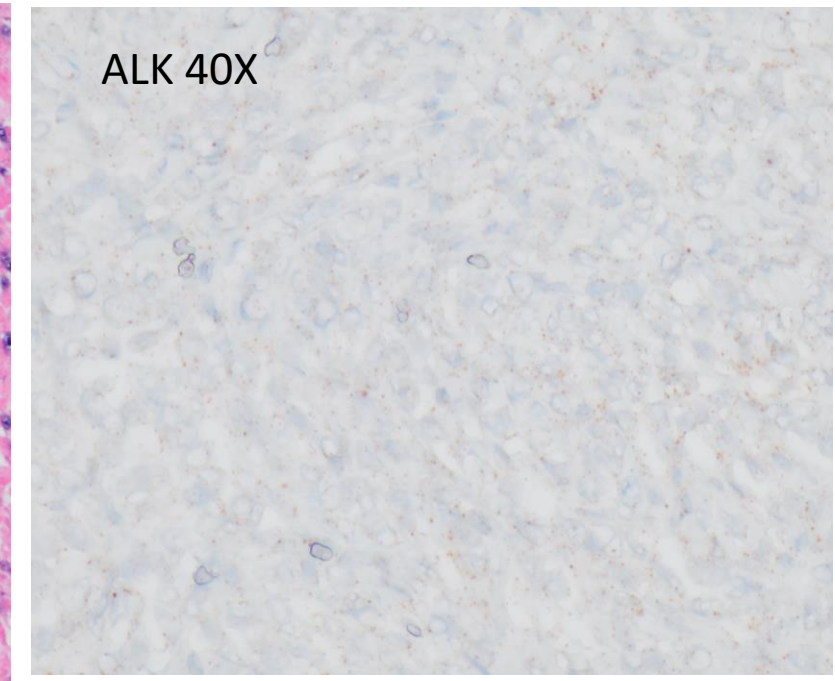
ALK 4X



EBER 20



ALK 40X



DIAGNOSIS?



