

AUG 2014 SBPS meeting

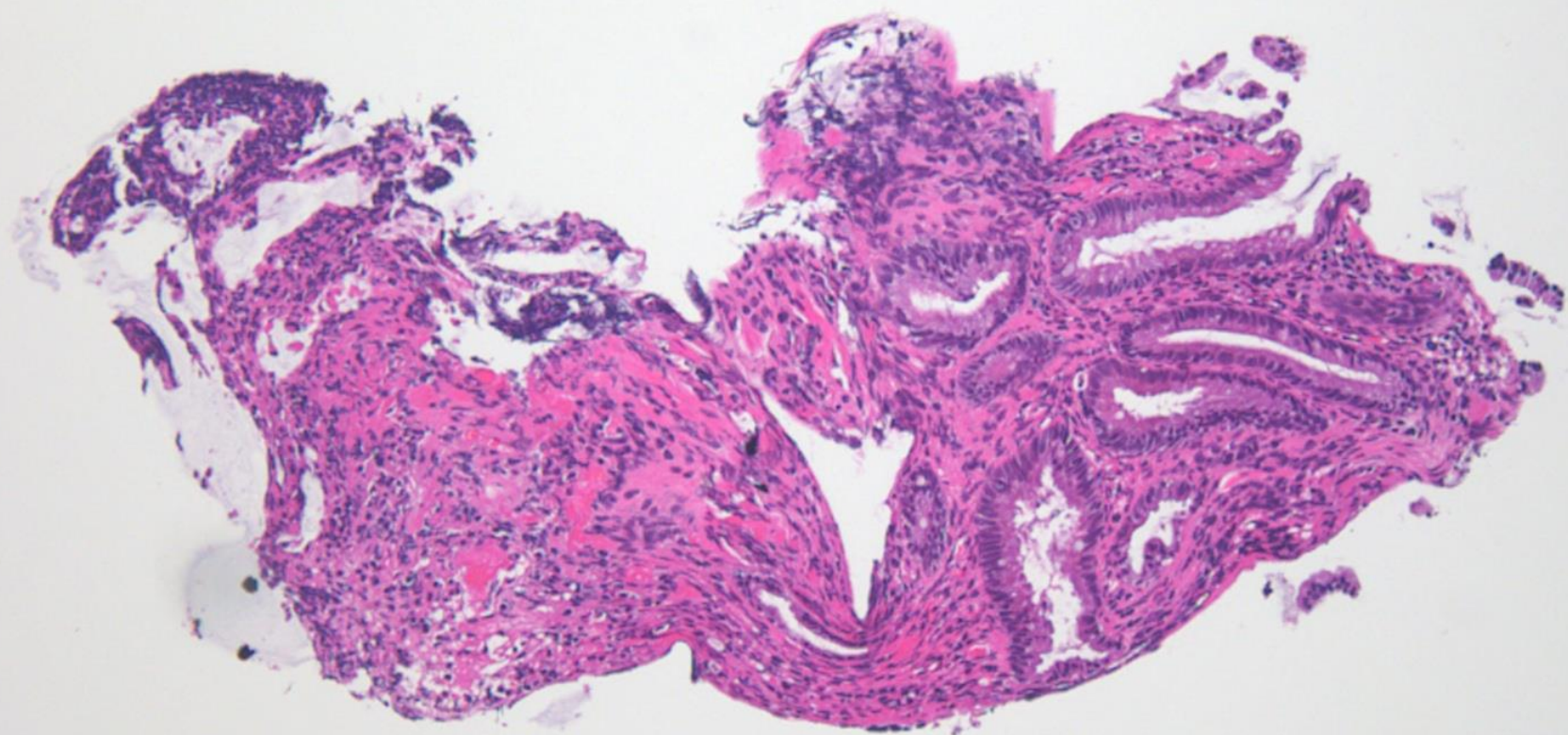
Disclosures

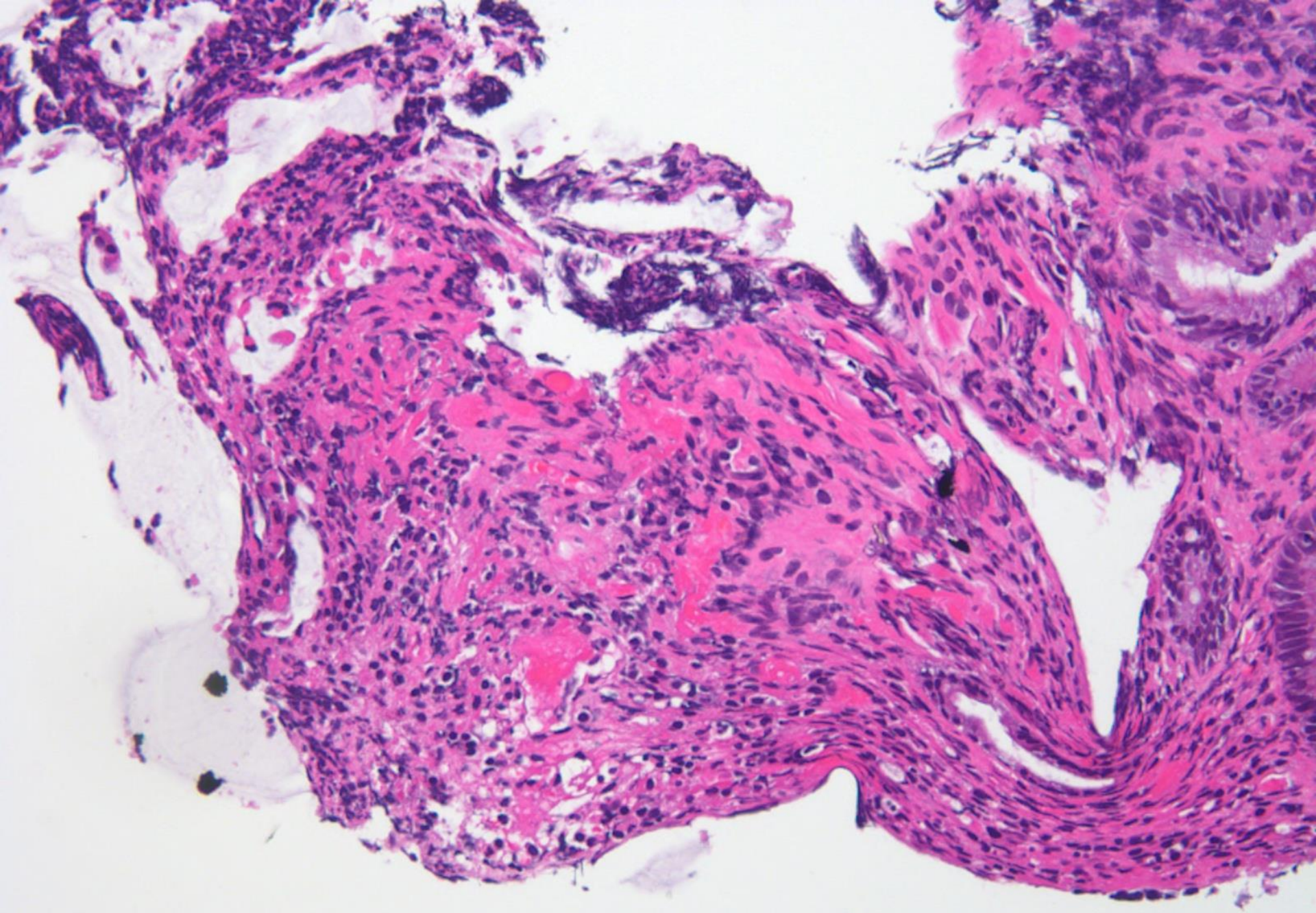
All presenters and planning committee members listed have disclosed that they have no financial relationships with commercial or industry organizations. The Education Committee has reviewed the disclosure information for the planner(s), and/or committee/faculty for this program and they do not have relationships that present a conflict of interest.

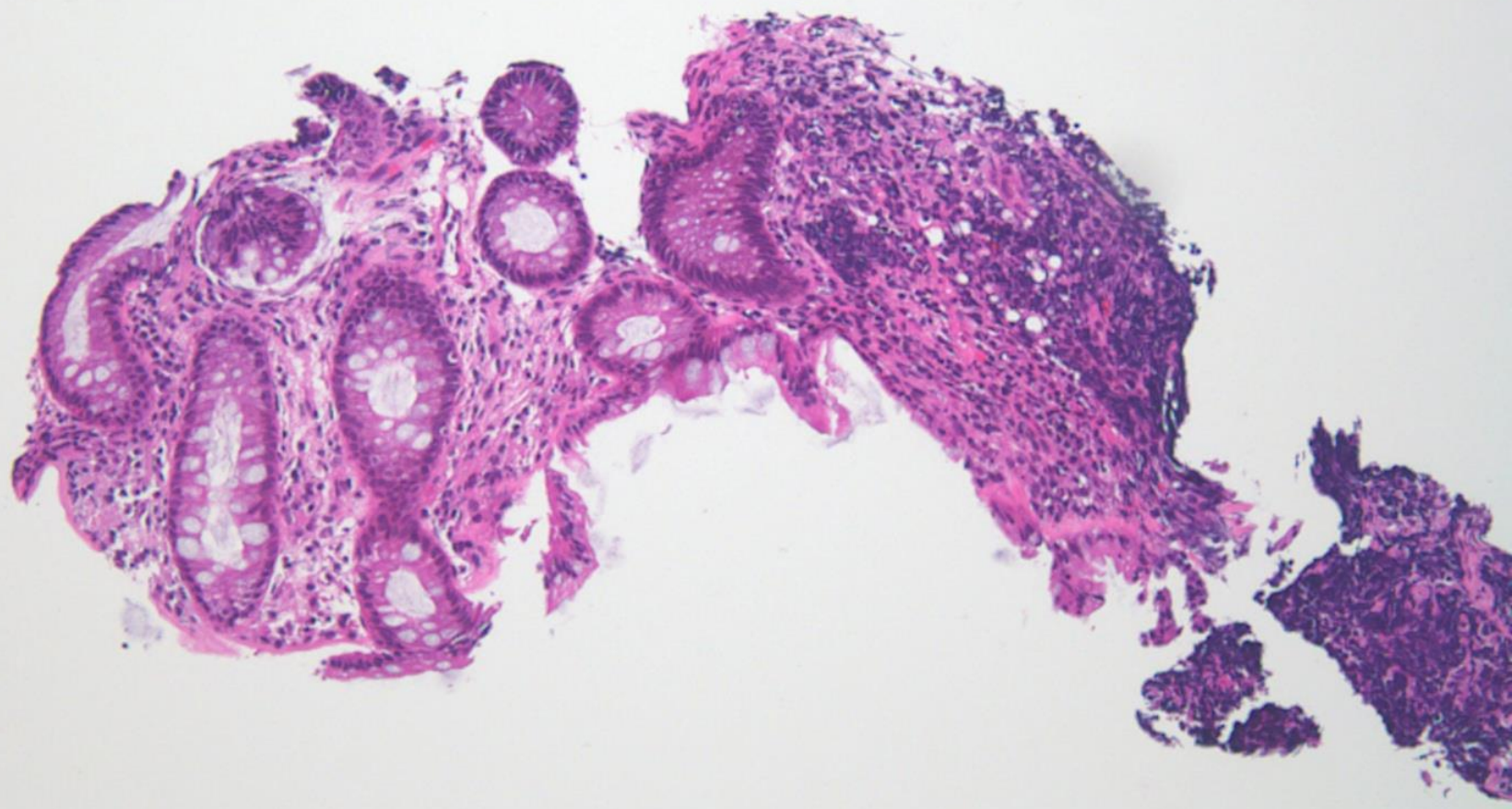
SB 5851

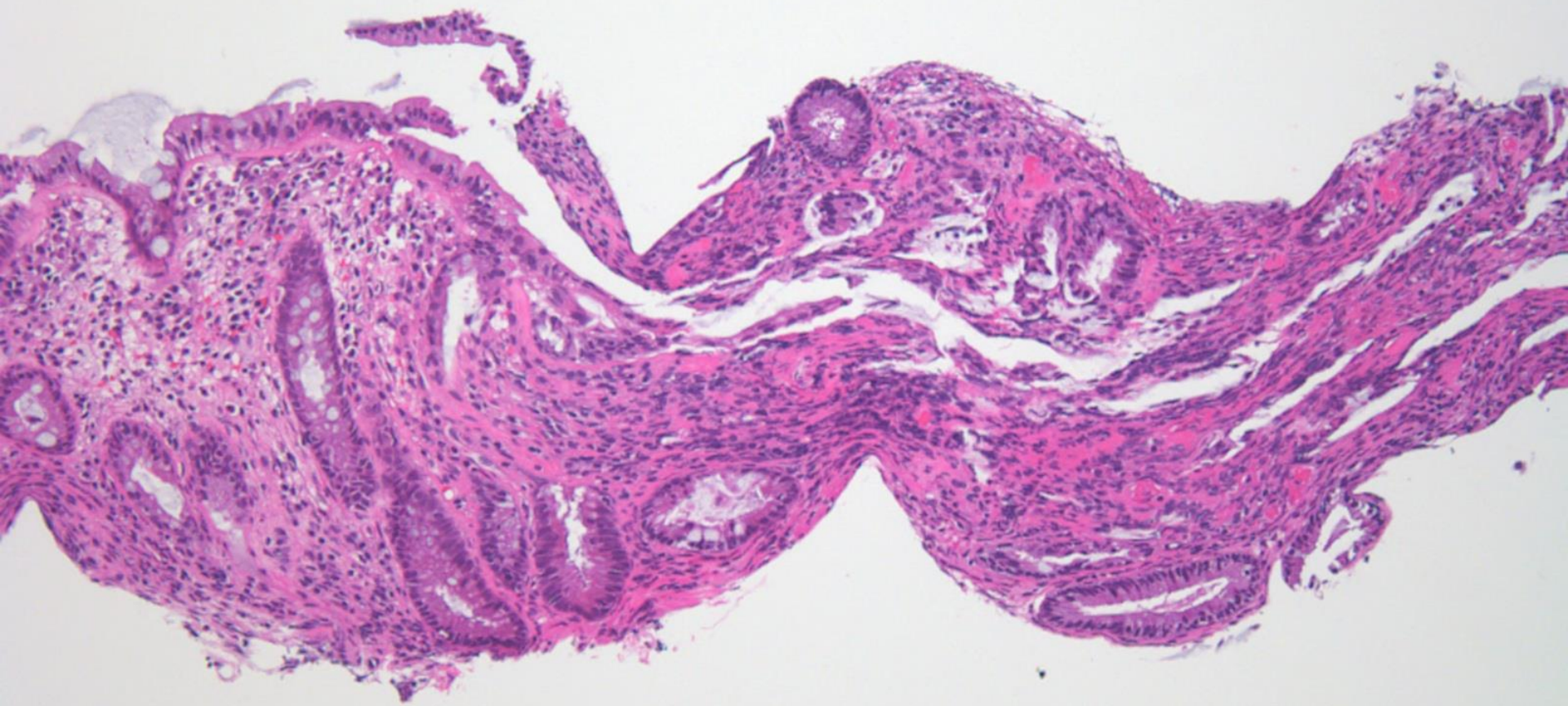
Charles Lombard; El Camino Hospital

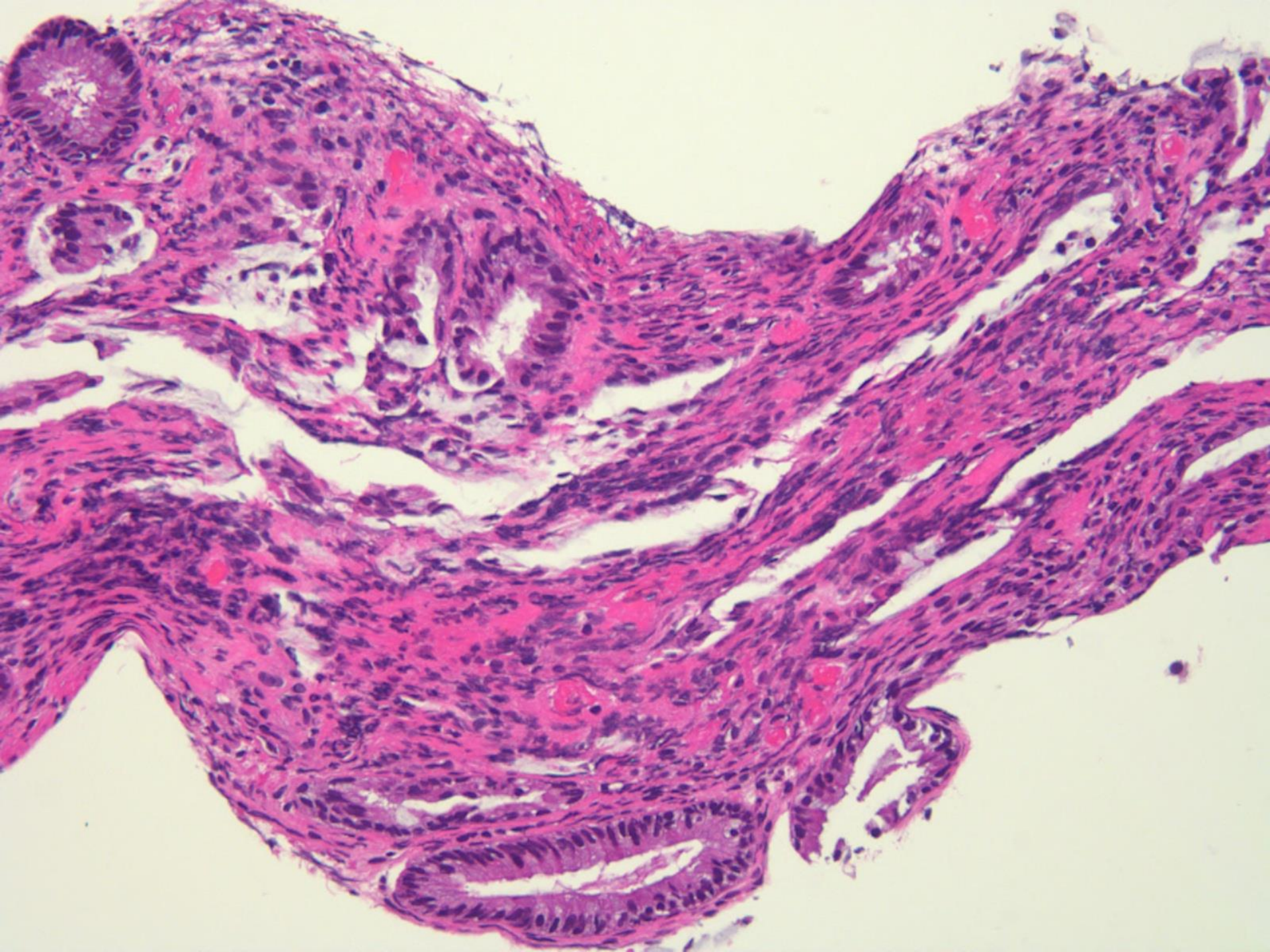
75-year-old-female, asymptomatic patient, initial colonoscopy for surveillance. 3-4 cm area of sigmoid colon with superficial ulcerations and ? deformed area representing a giant shallow diverticulum. Changes seen on 2 endoscopies a few months apart after antibiotic treatment. Biopsy on 2nd endoscopy.









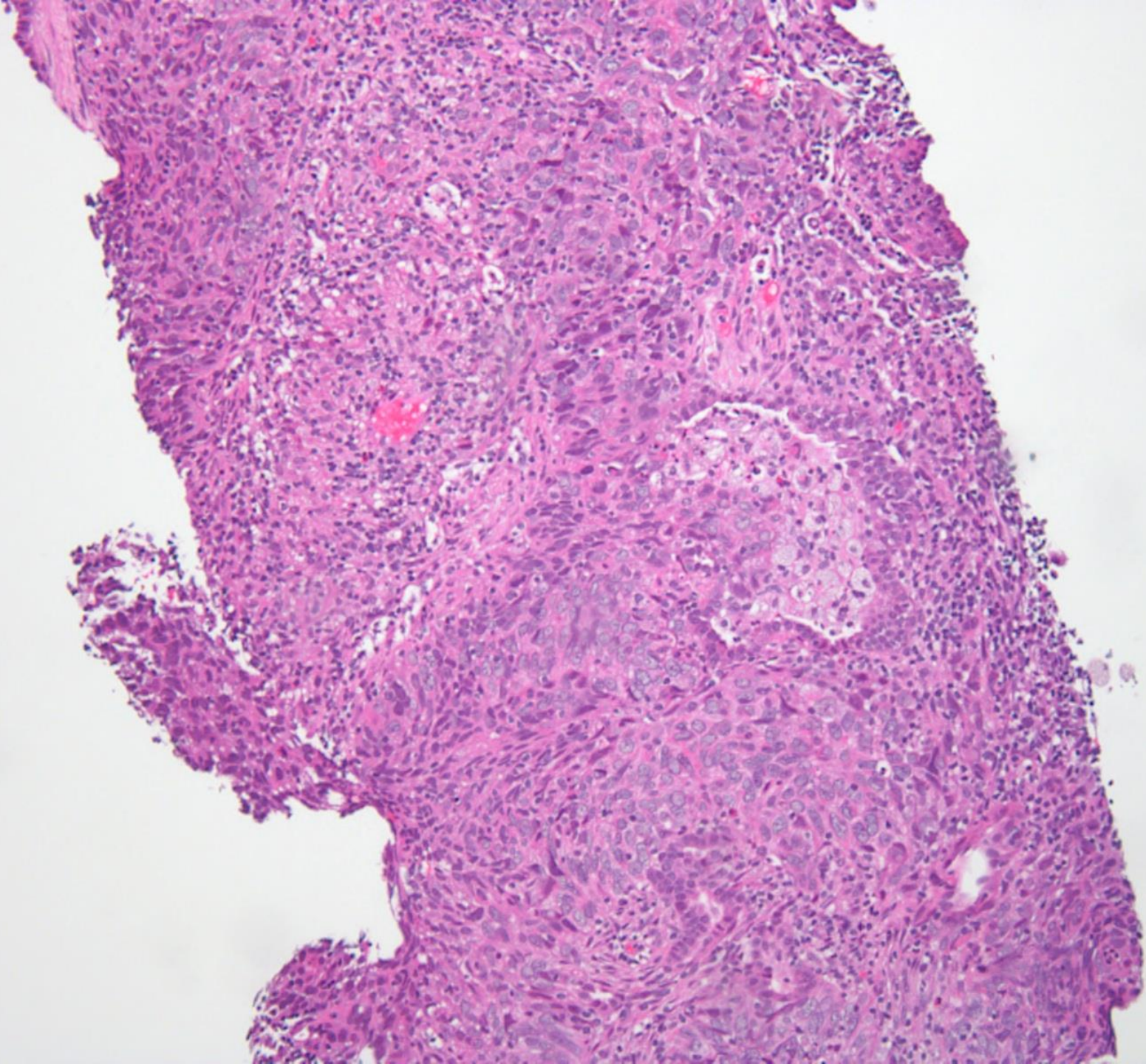


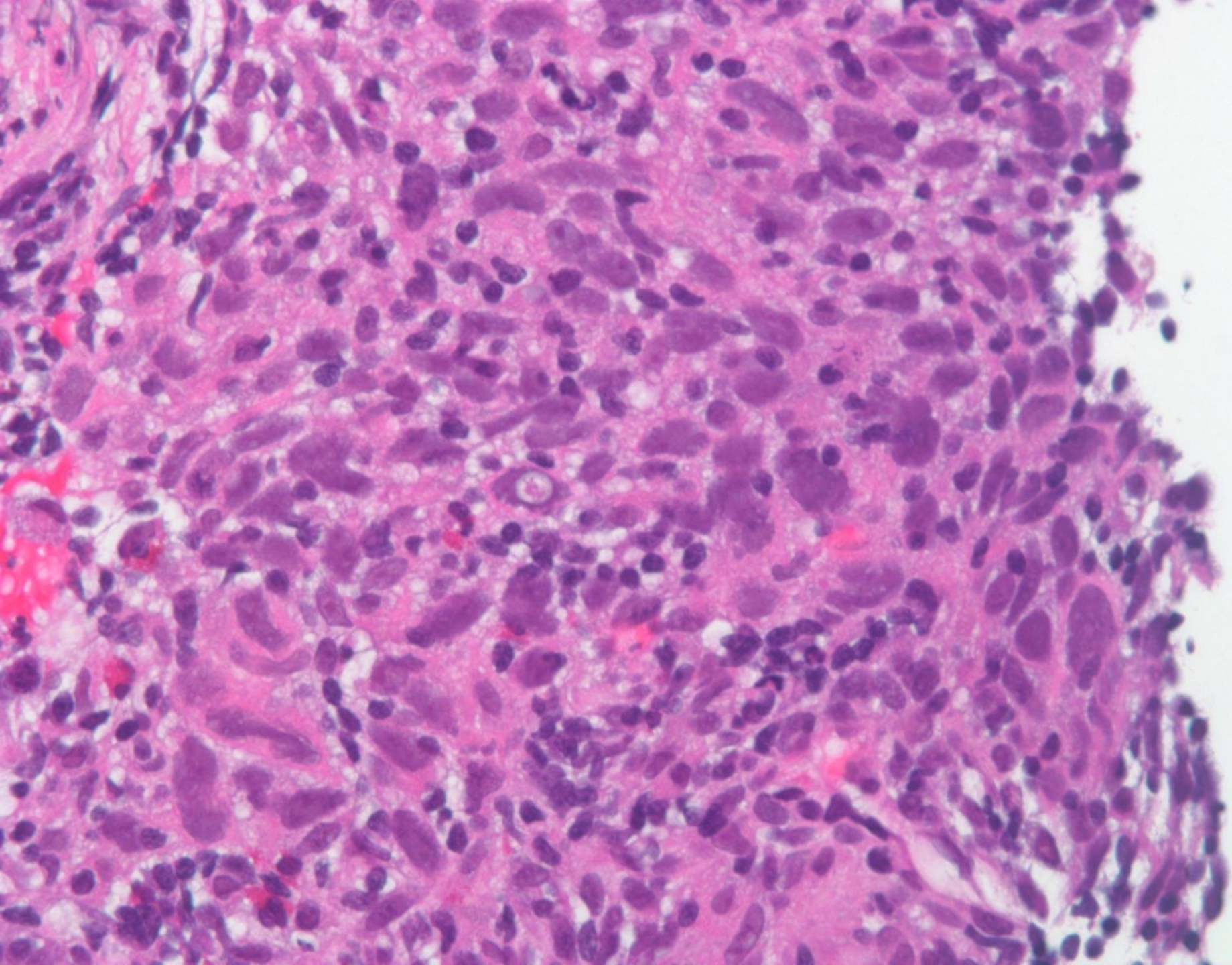
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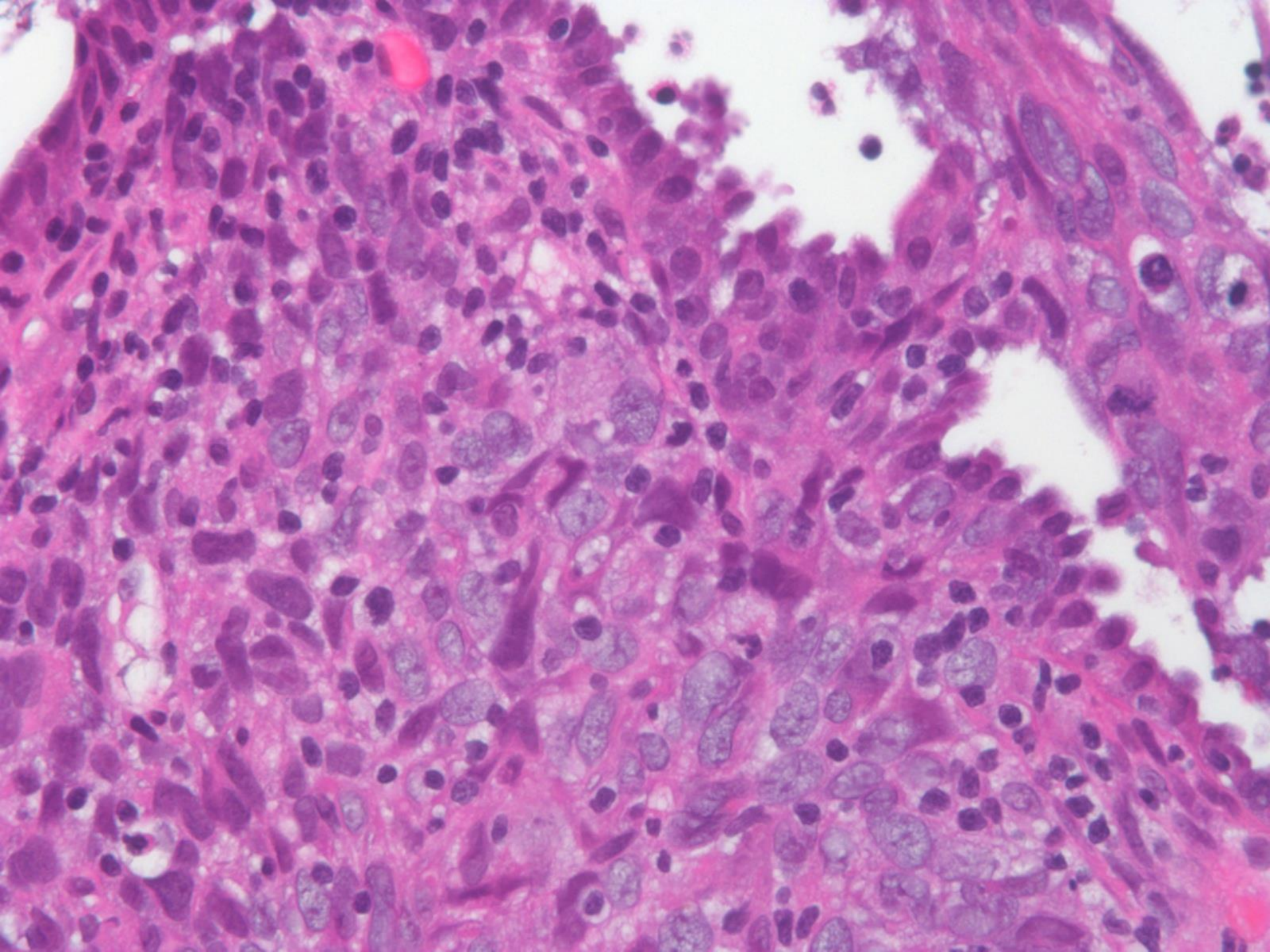
Charles Lombard; El Camino Hospital

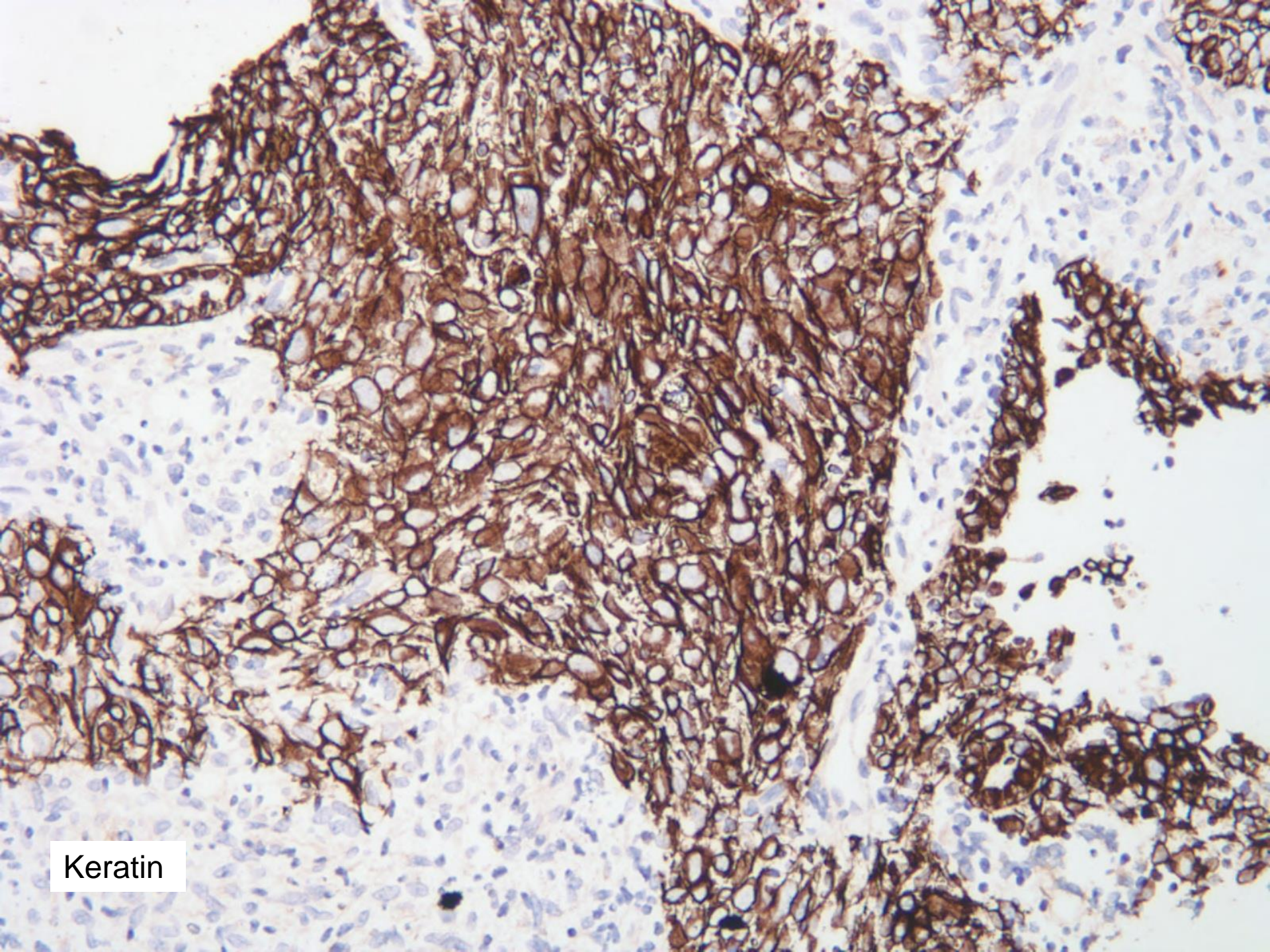
40-year-old non-smoking Asian
female presents with new right
lower lobe mass.



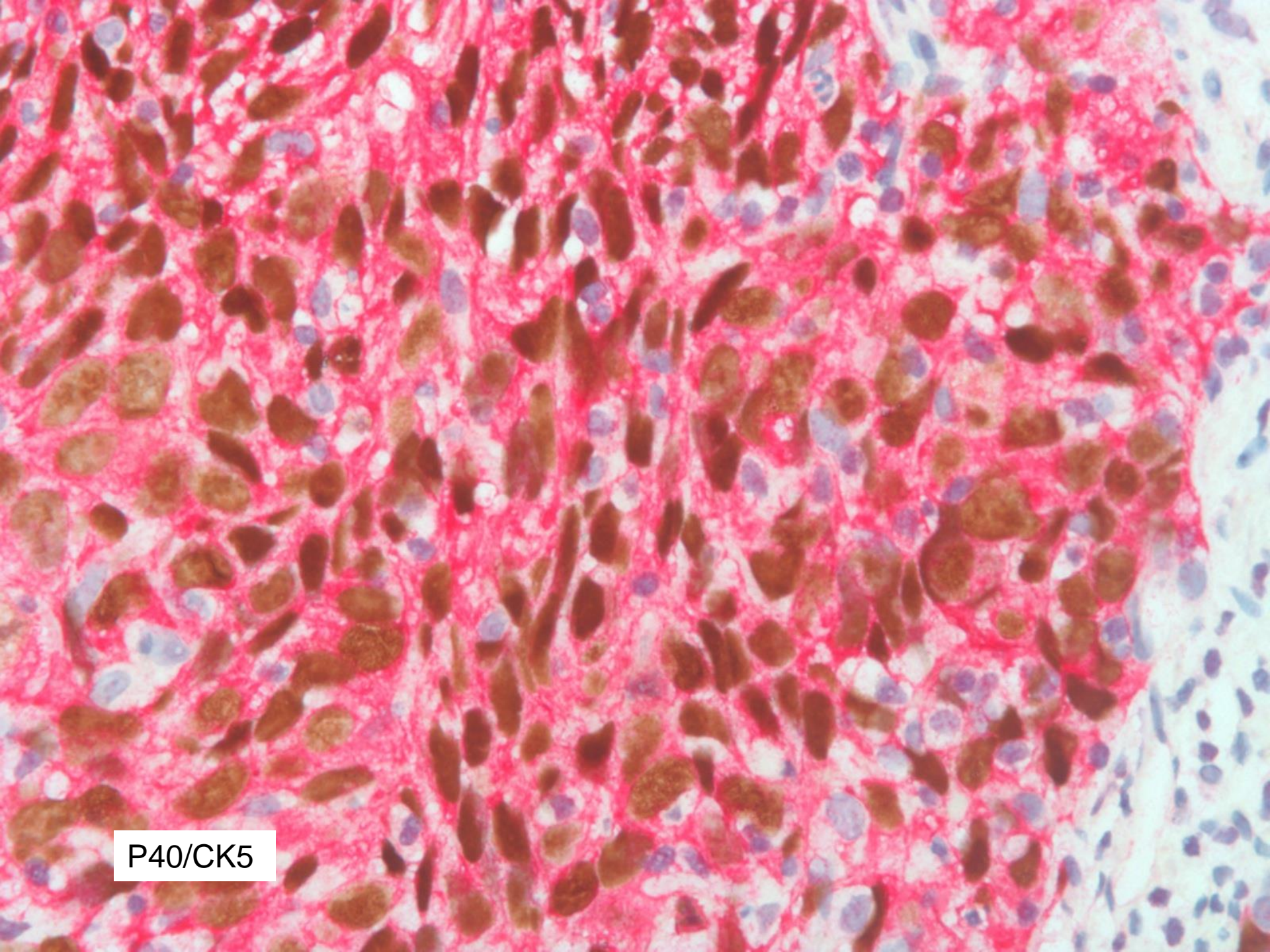




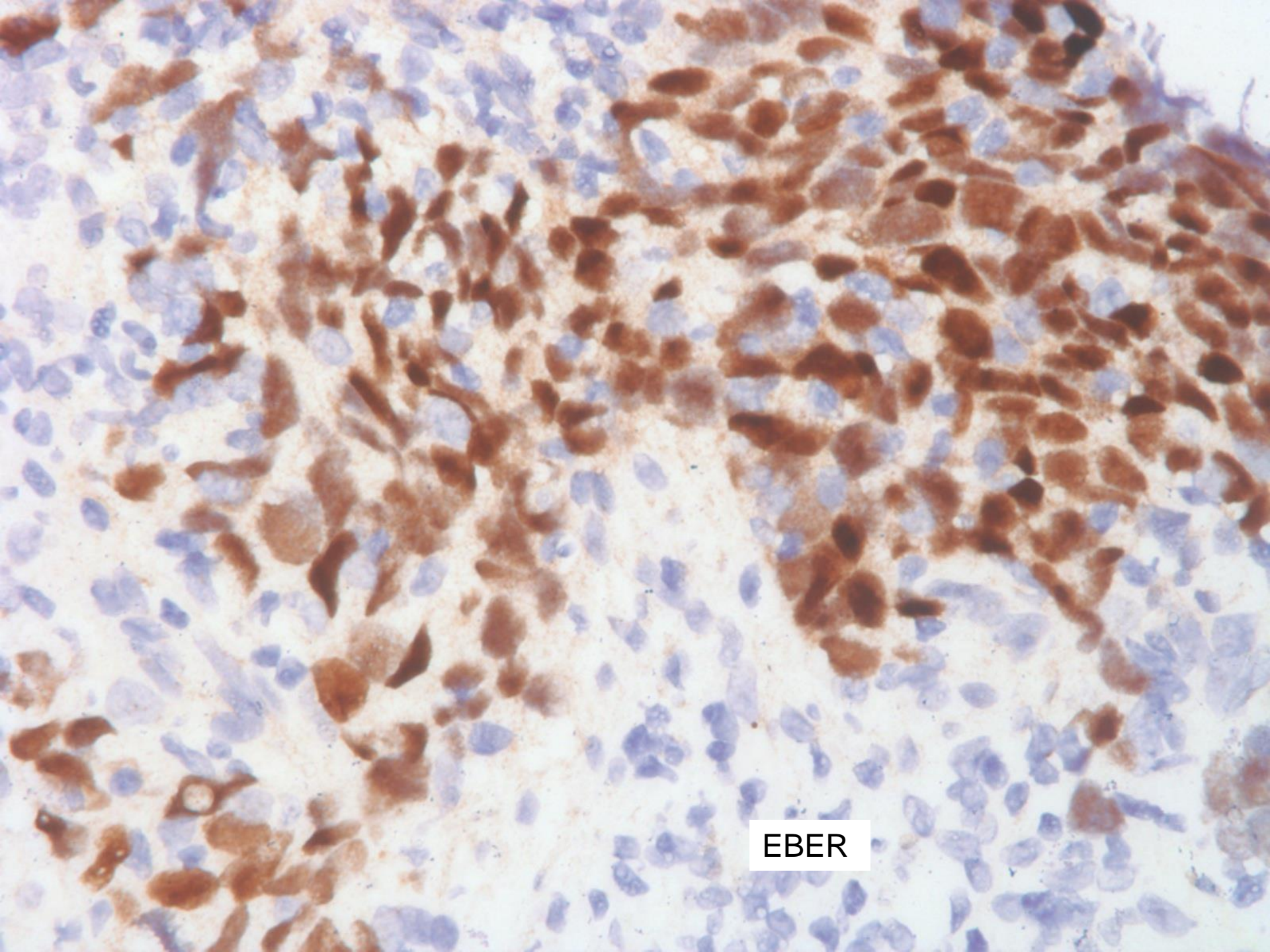




Keratin



P40/CK5



EBER

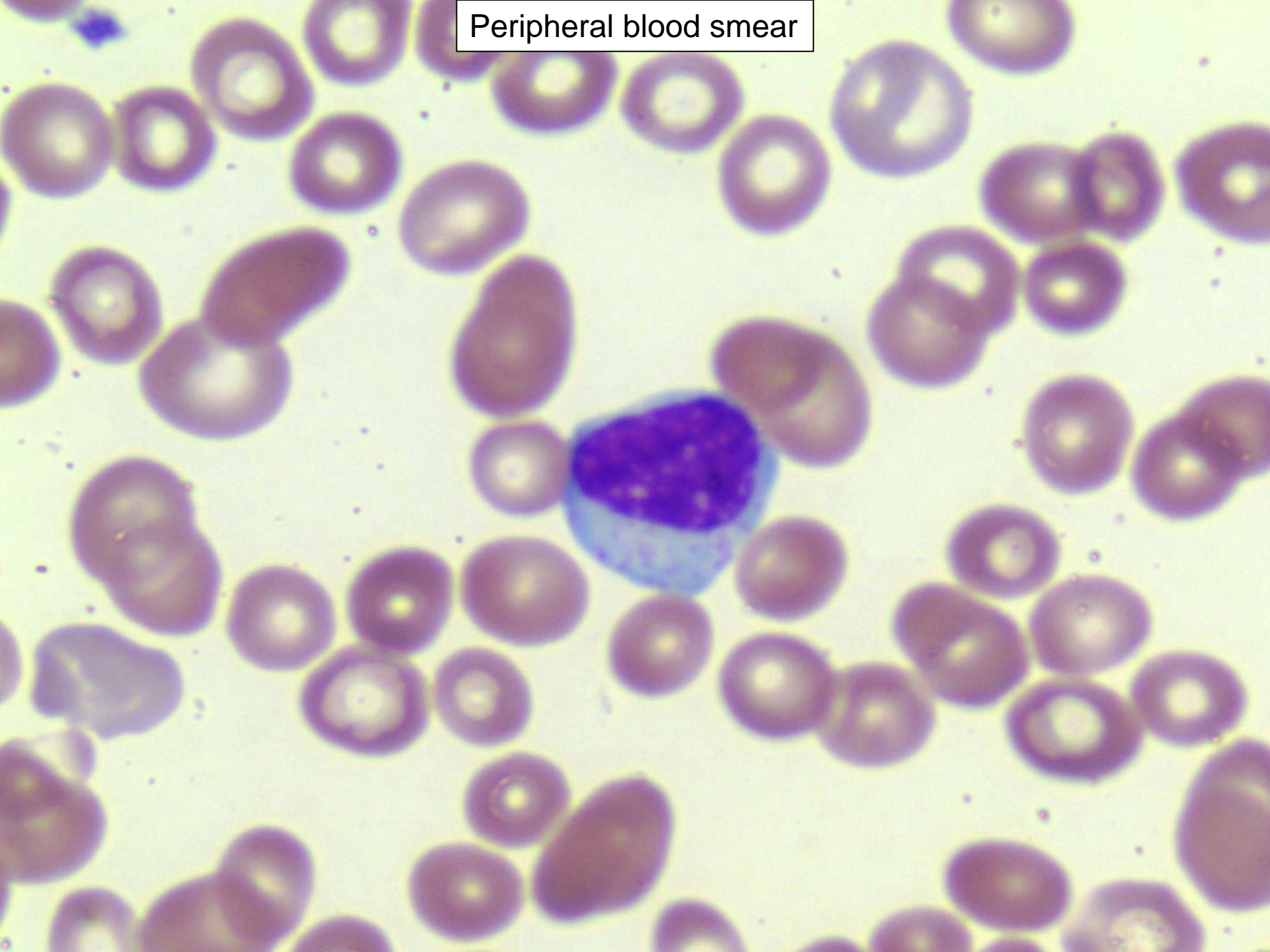
SB 5853

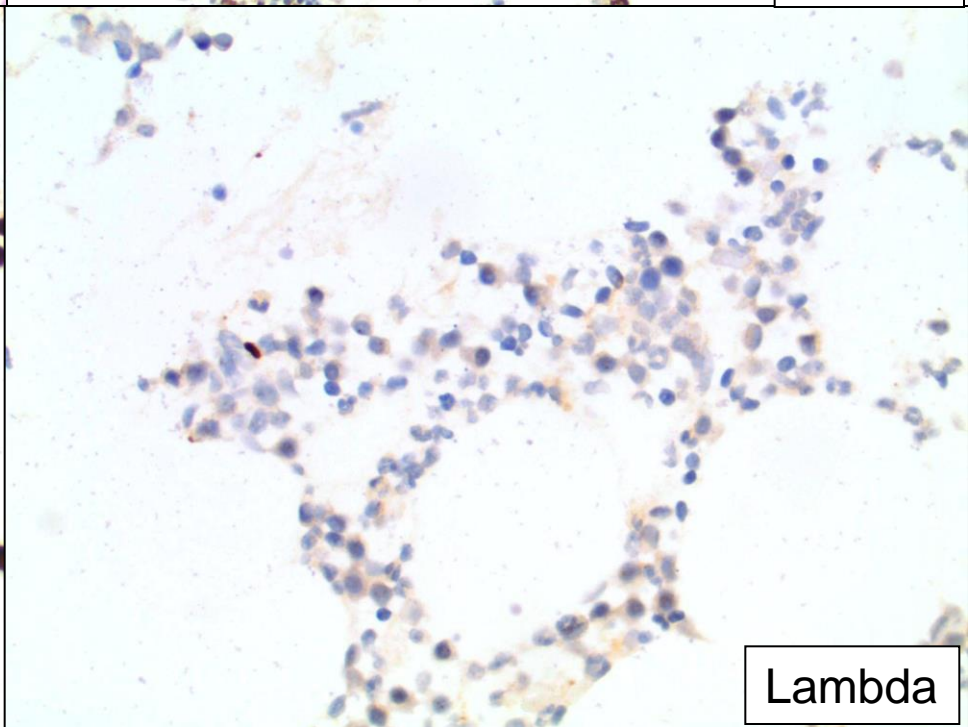
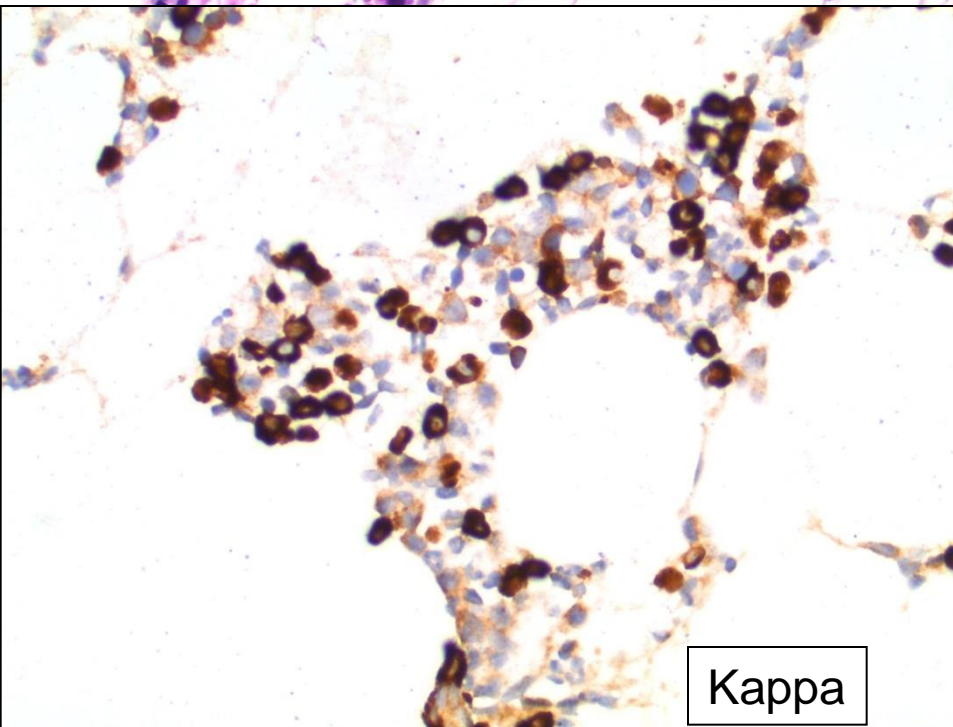
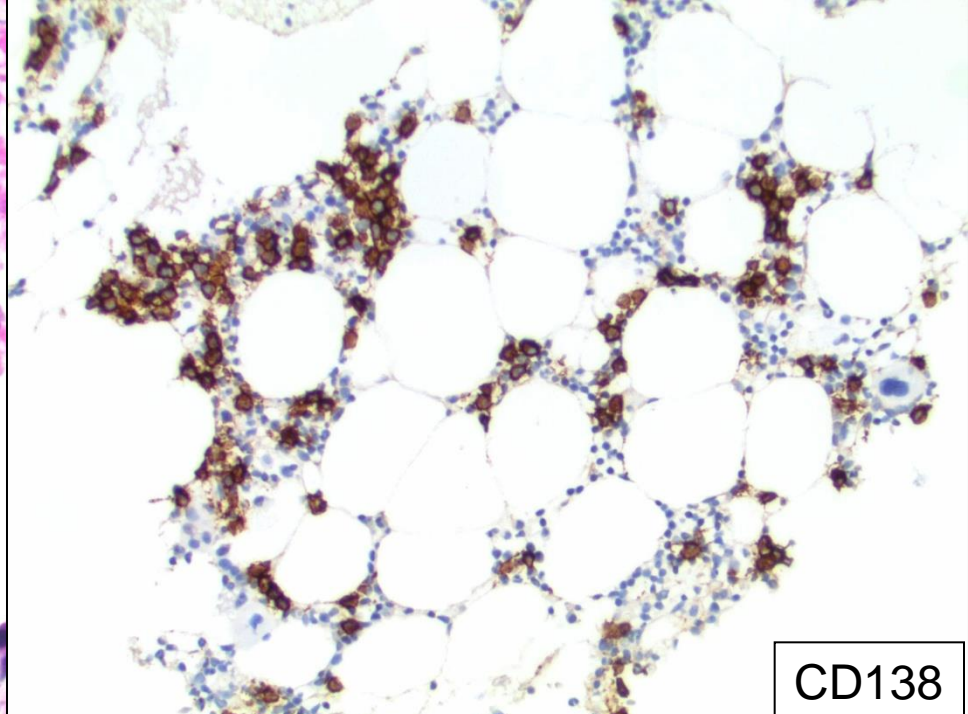
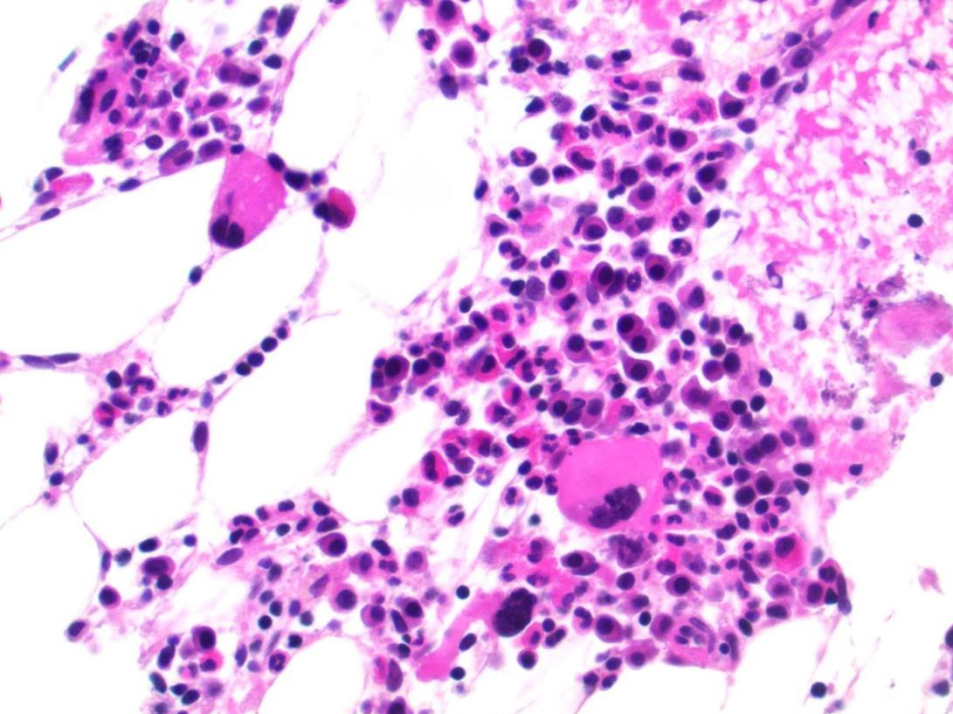
Bijayee Shrestha; El Camino Hospital

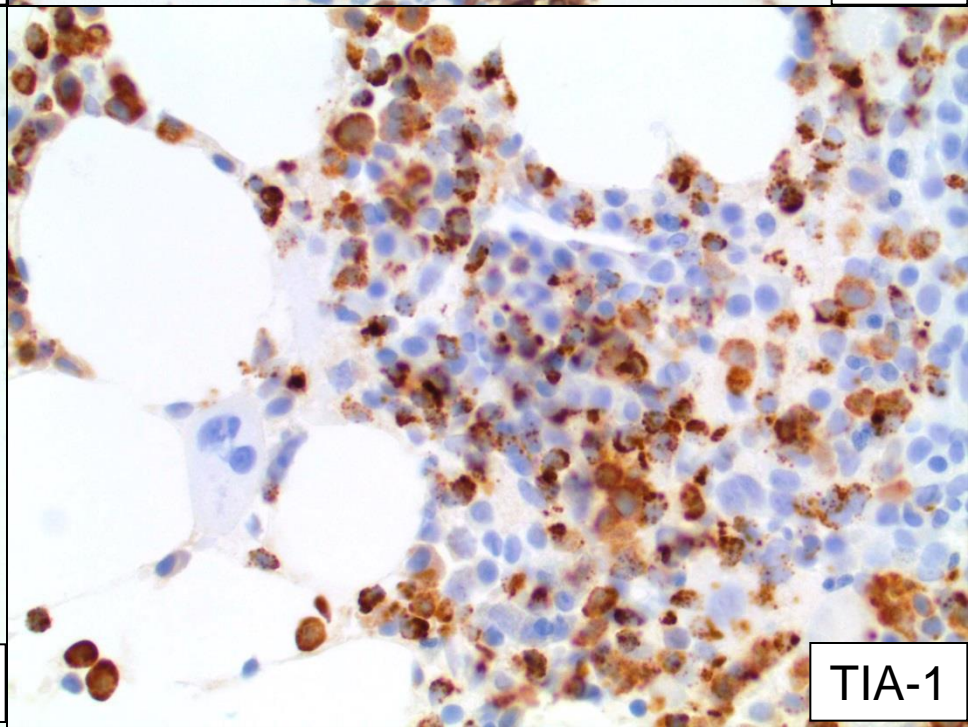
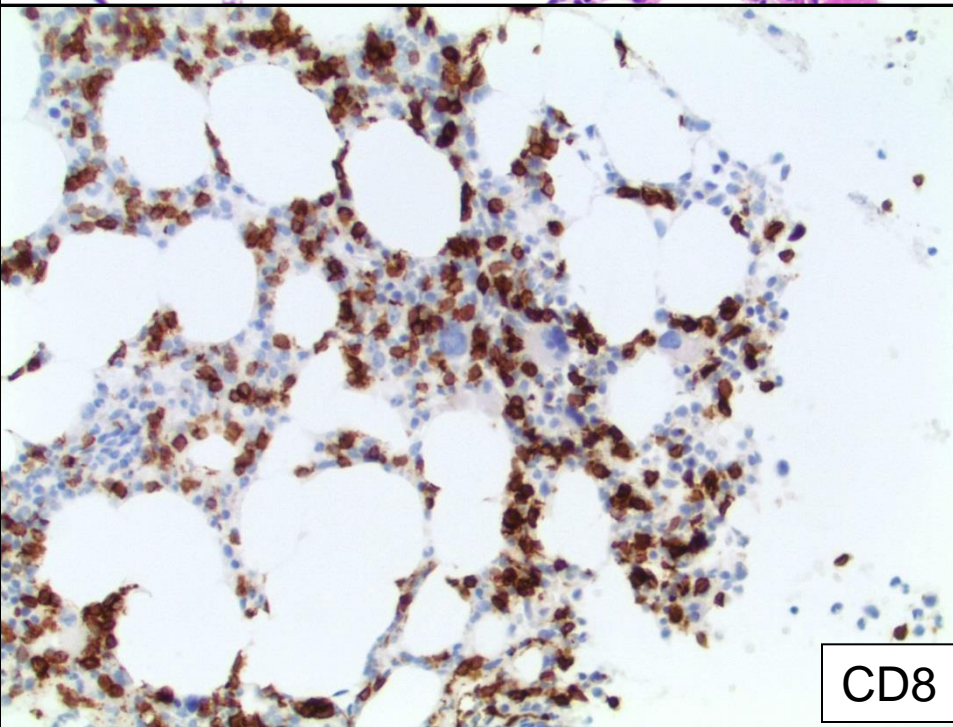
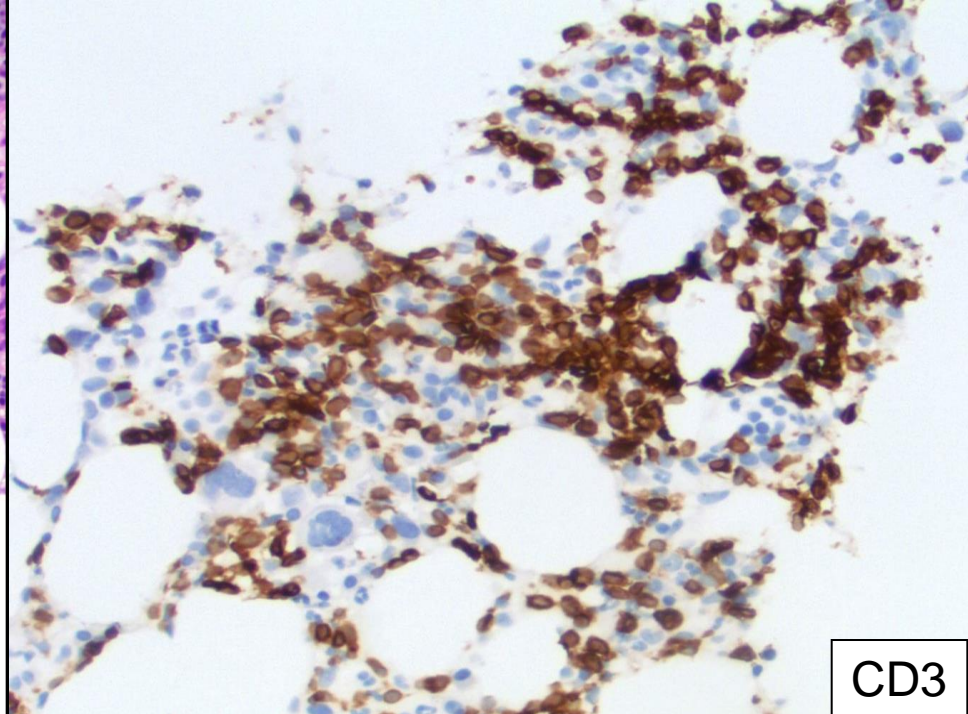
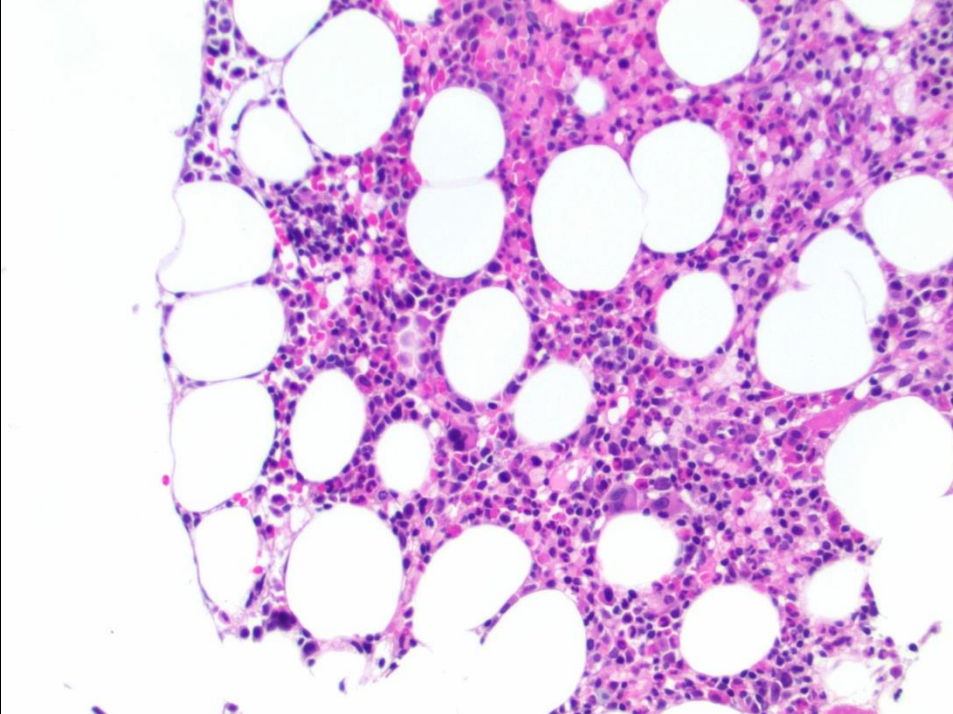
47-year-old male presents with anemia and neutropenia. Bone marrow biopsy performed. Chart review noted serum M-protein (IgA kappa).

- 47 year old male presents with anemia and neutropenia
 - Bone marrow performed
- Chart review notes serum M-protein (IgA-kappa)

Peripheral blood smear







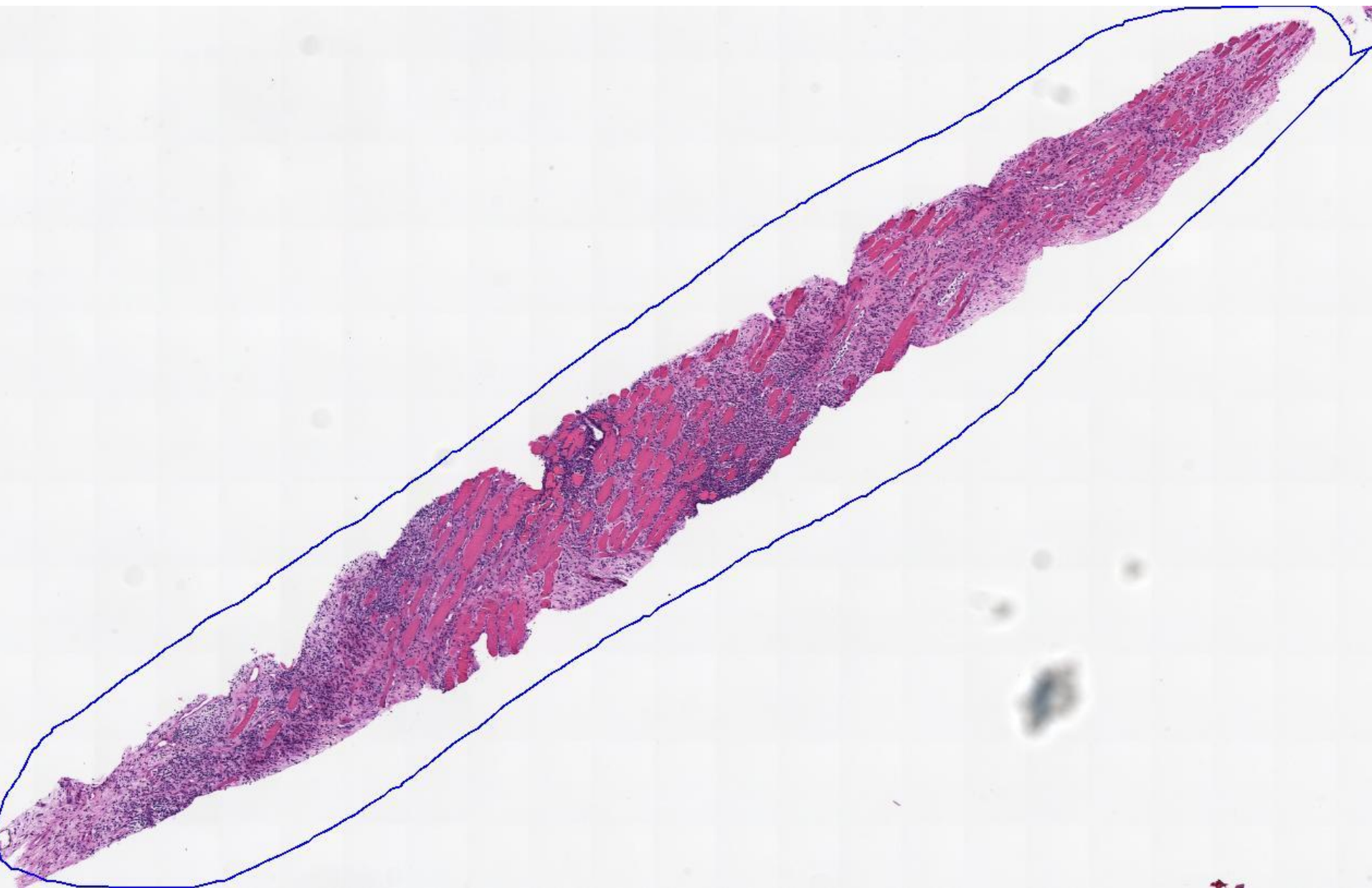
Flow cytometric analysis

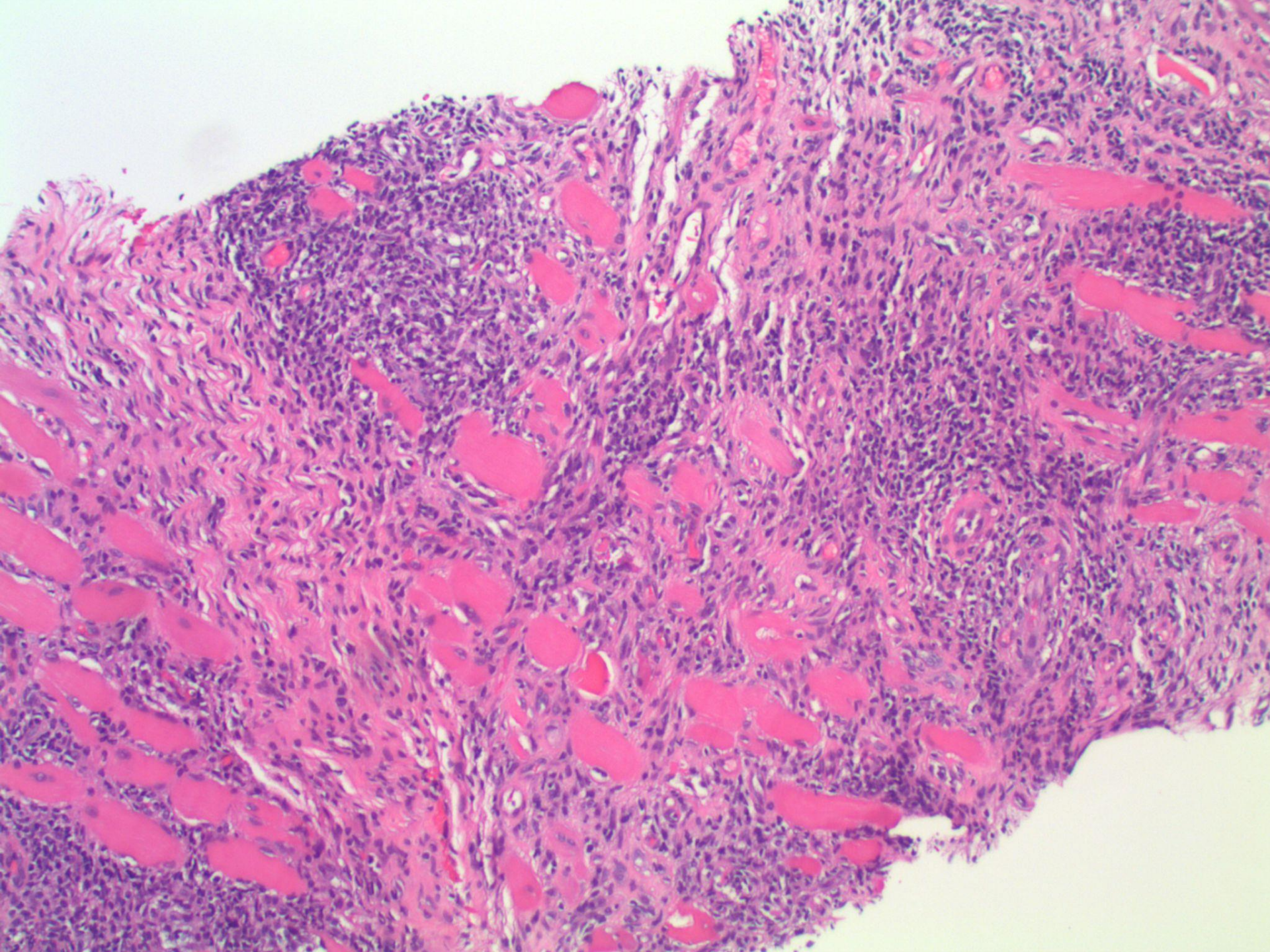
- Kappa monotypic plasma cells (1%)
- CD3+, dim CD5, CD16+, CD56-, CD57+

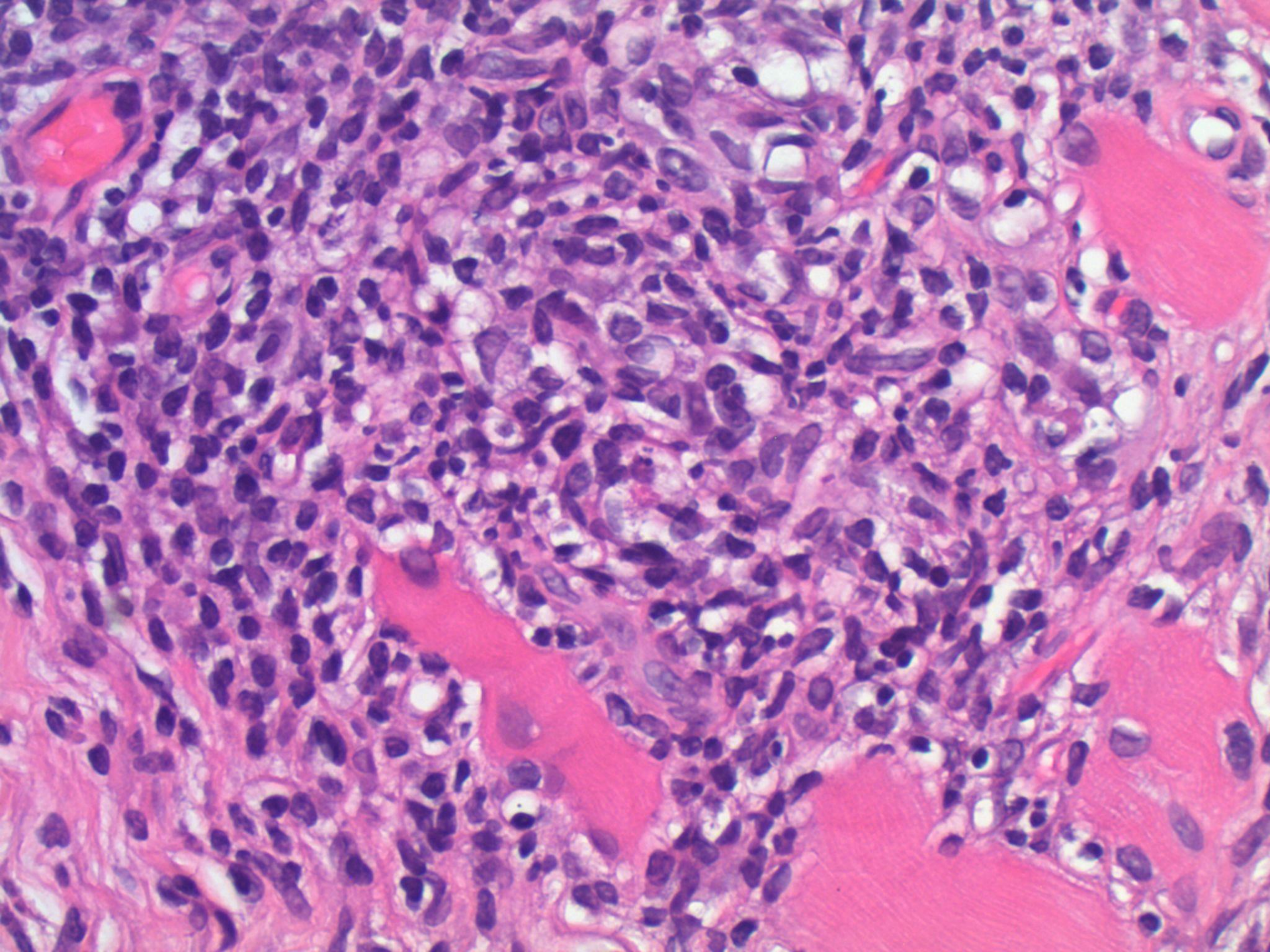
SB 5854

Ankur Sangoi; El Camino Hospital

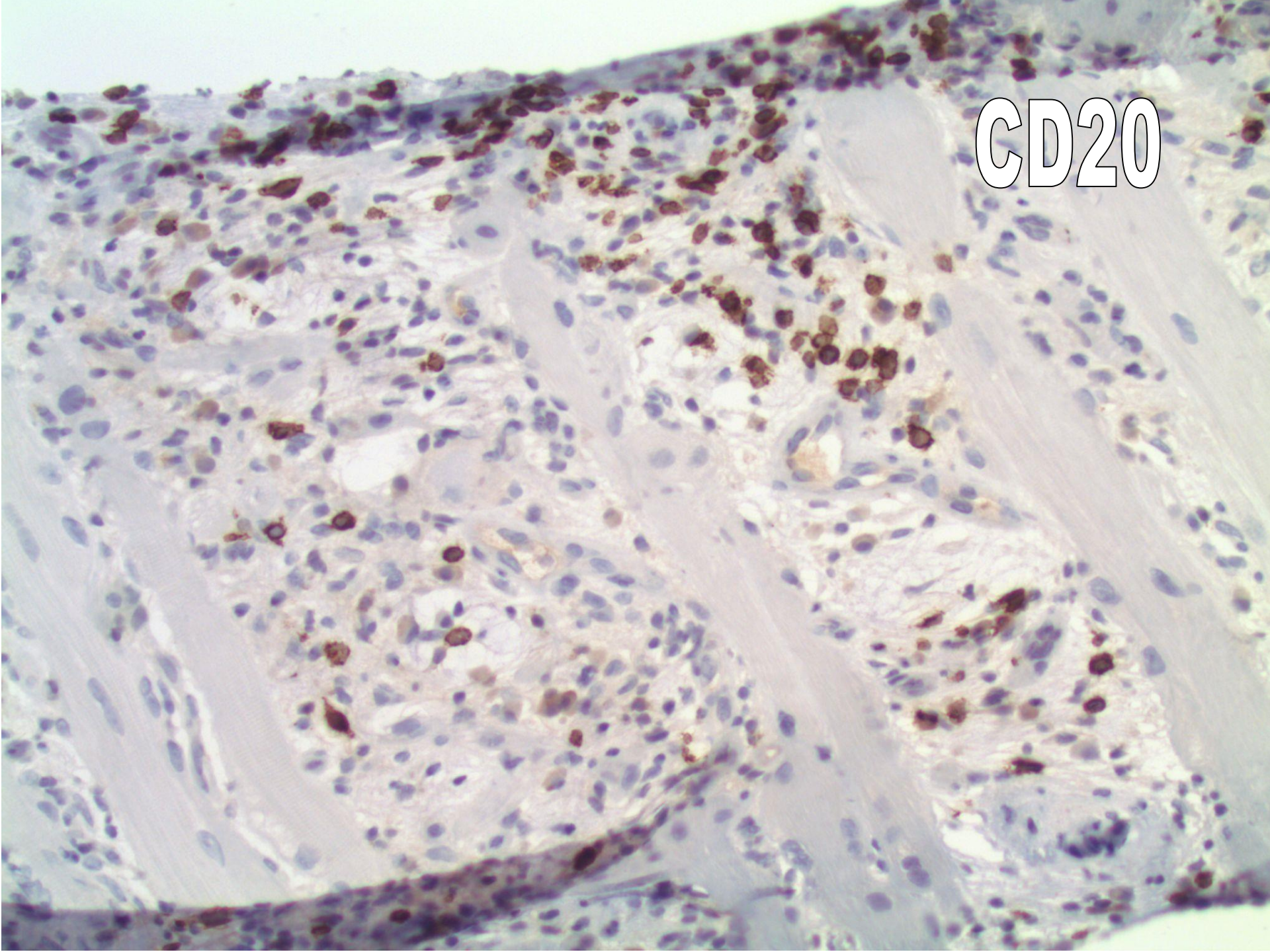
**89-year-old male with left thigh mass.
Rule out lymphoma or infection.**



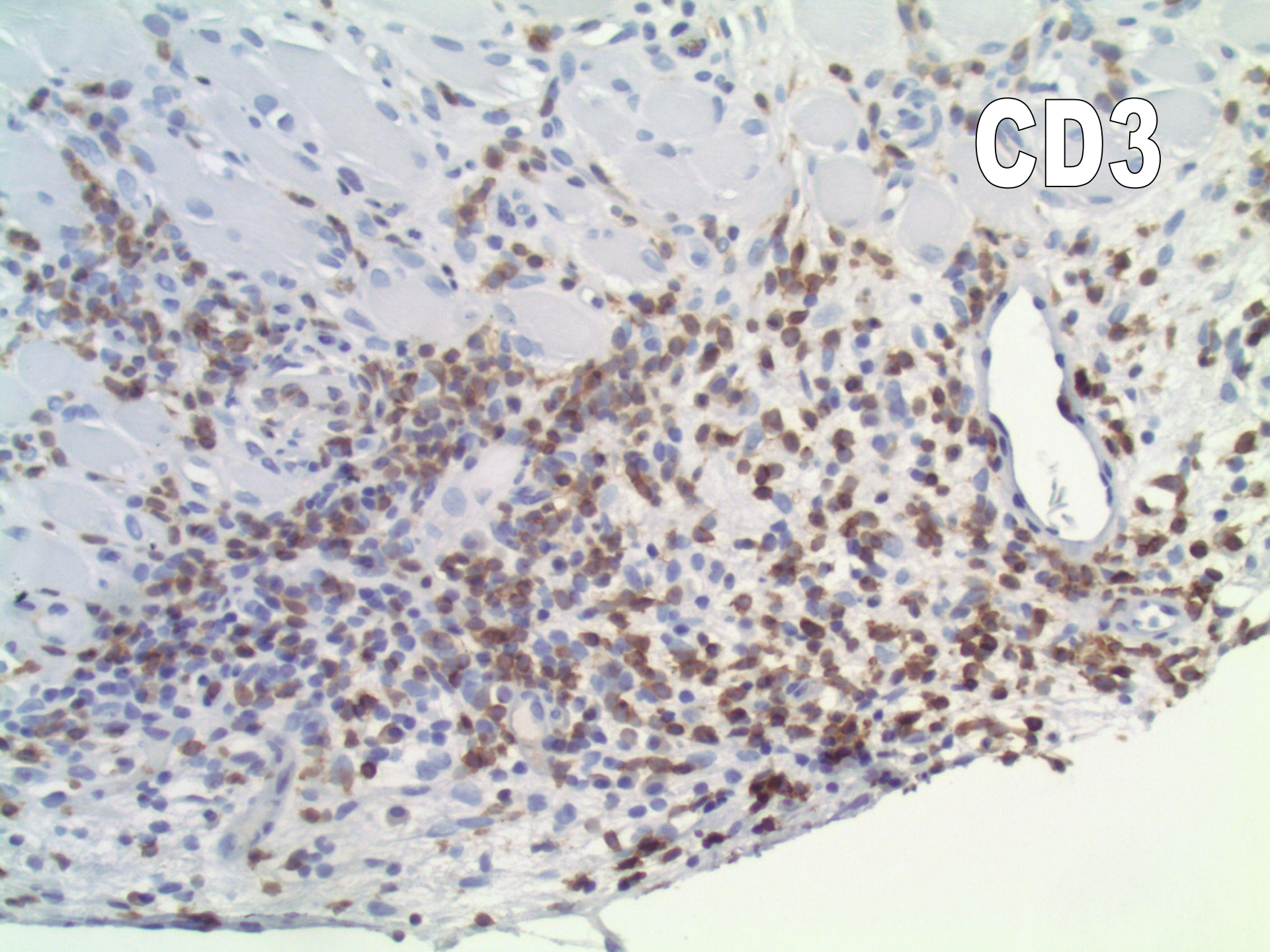




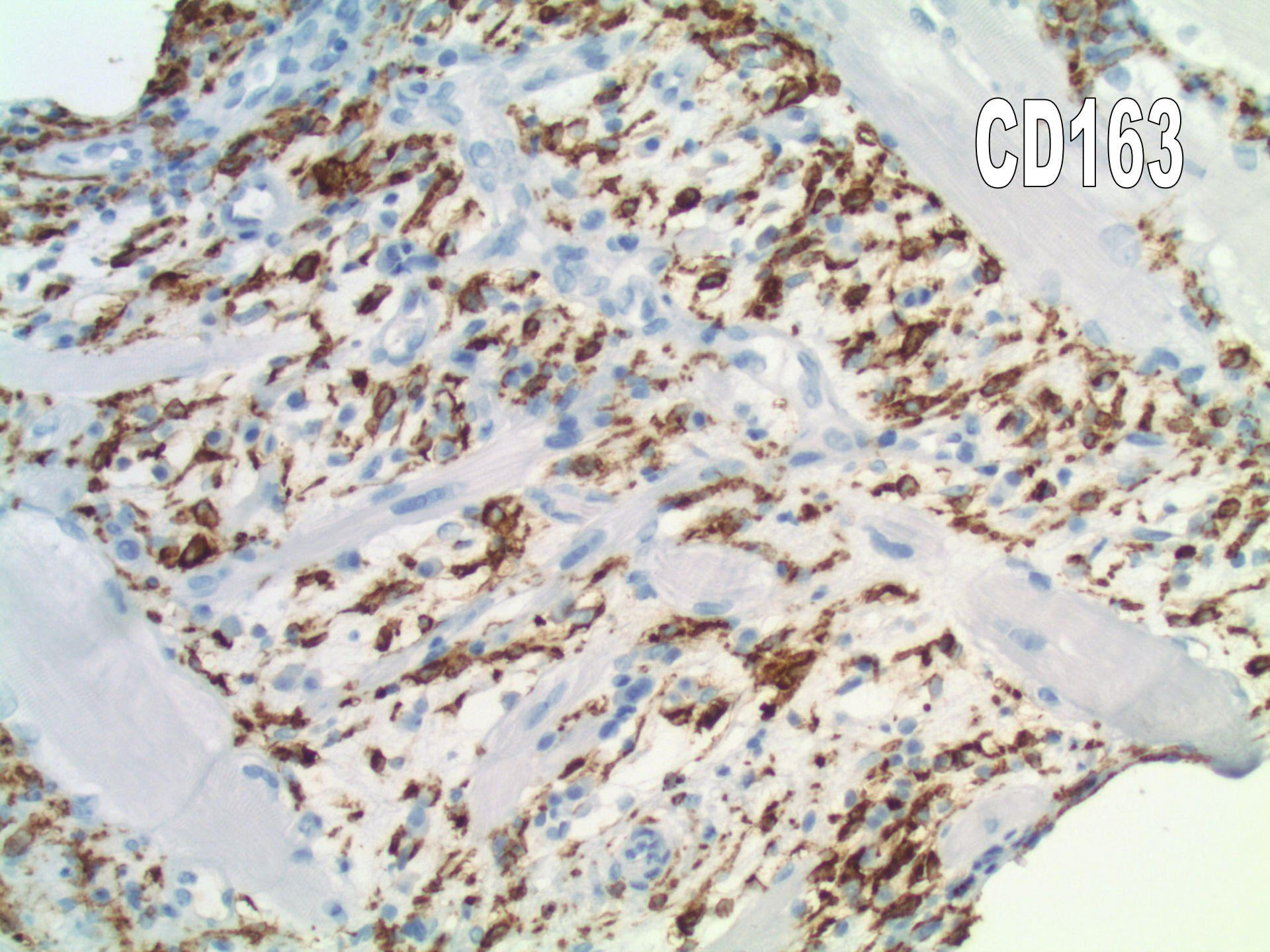
CD20



CD3



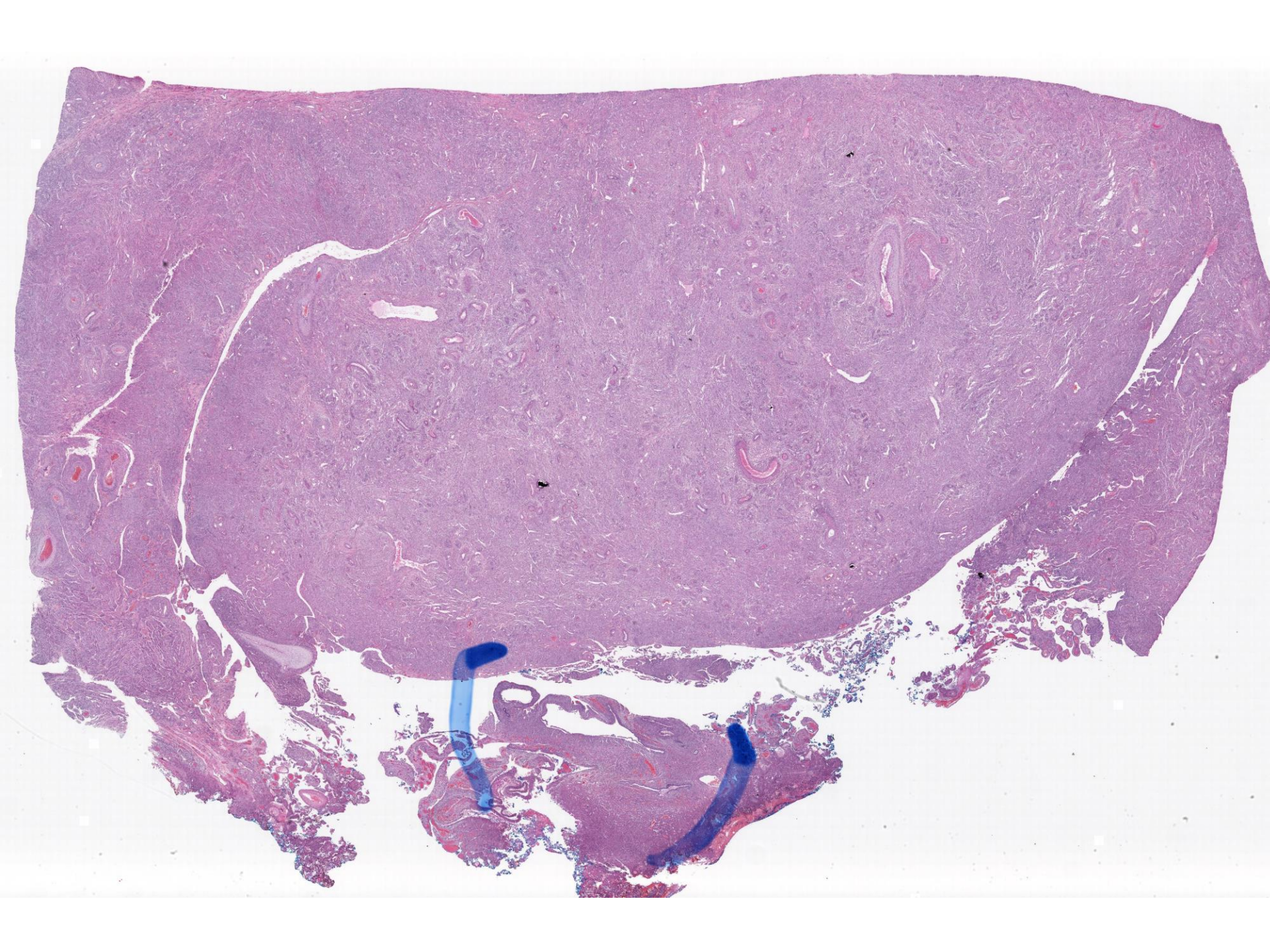
CD163

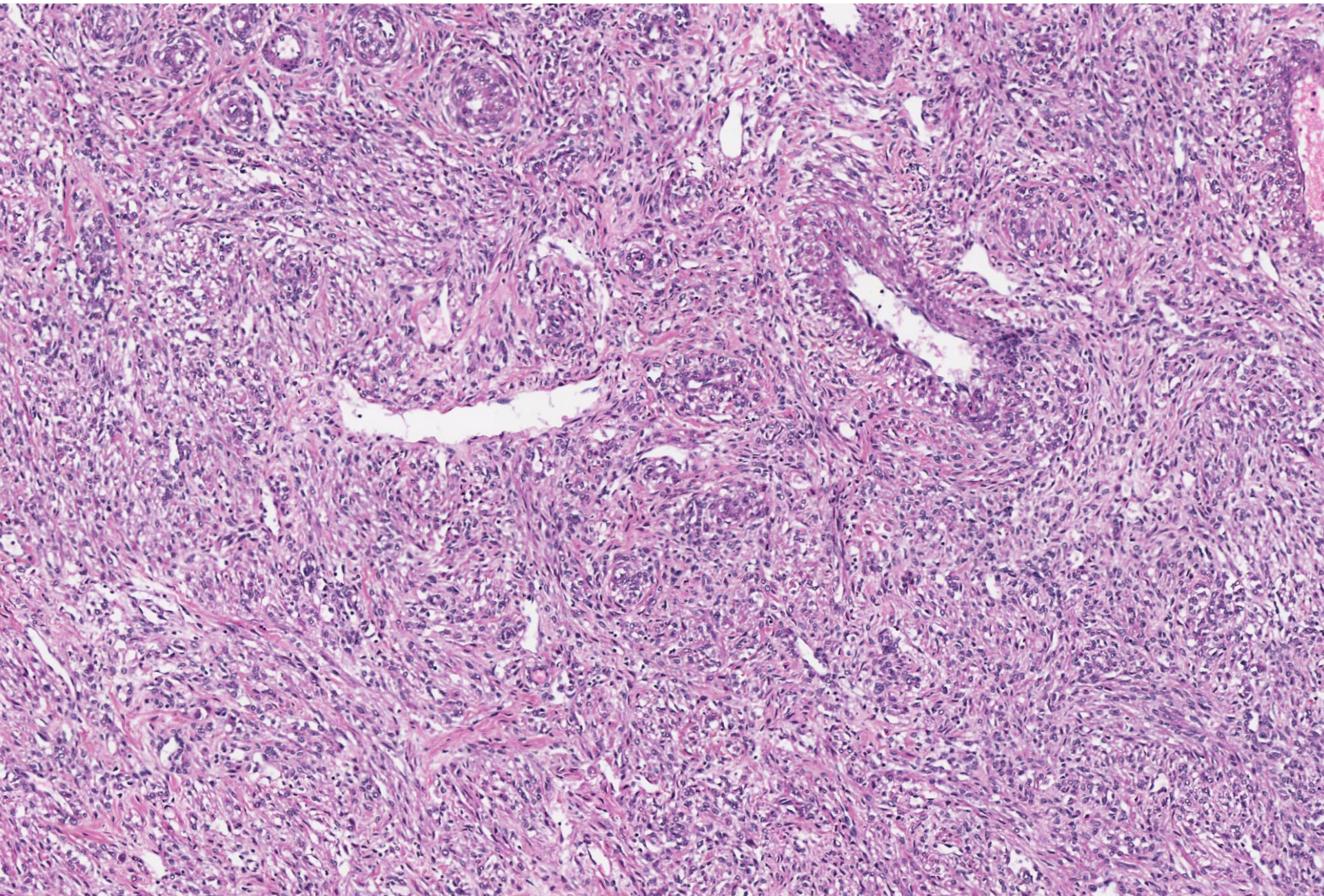


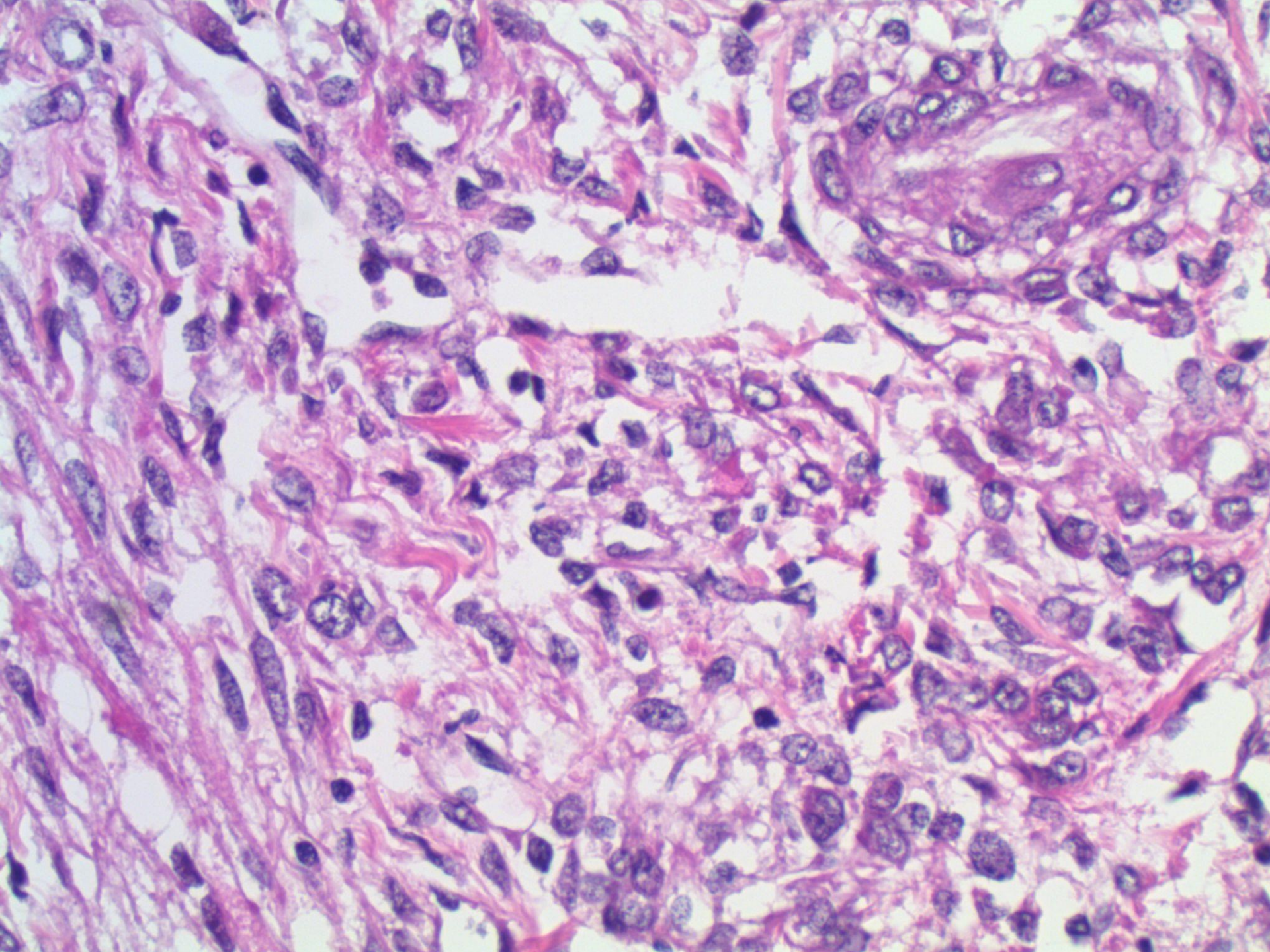
SB 5855

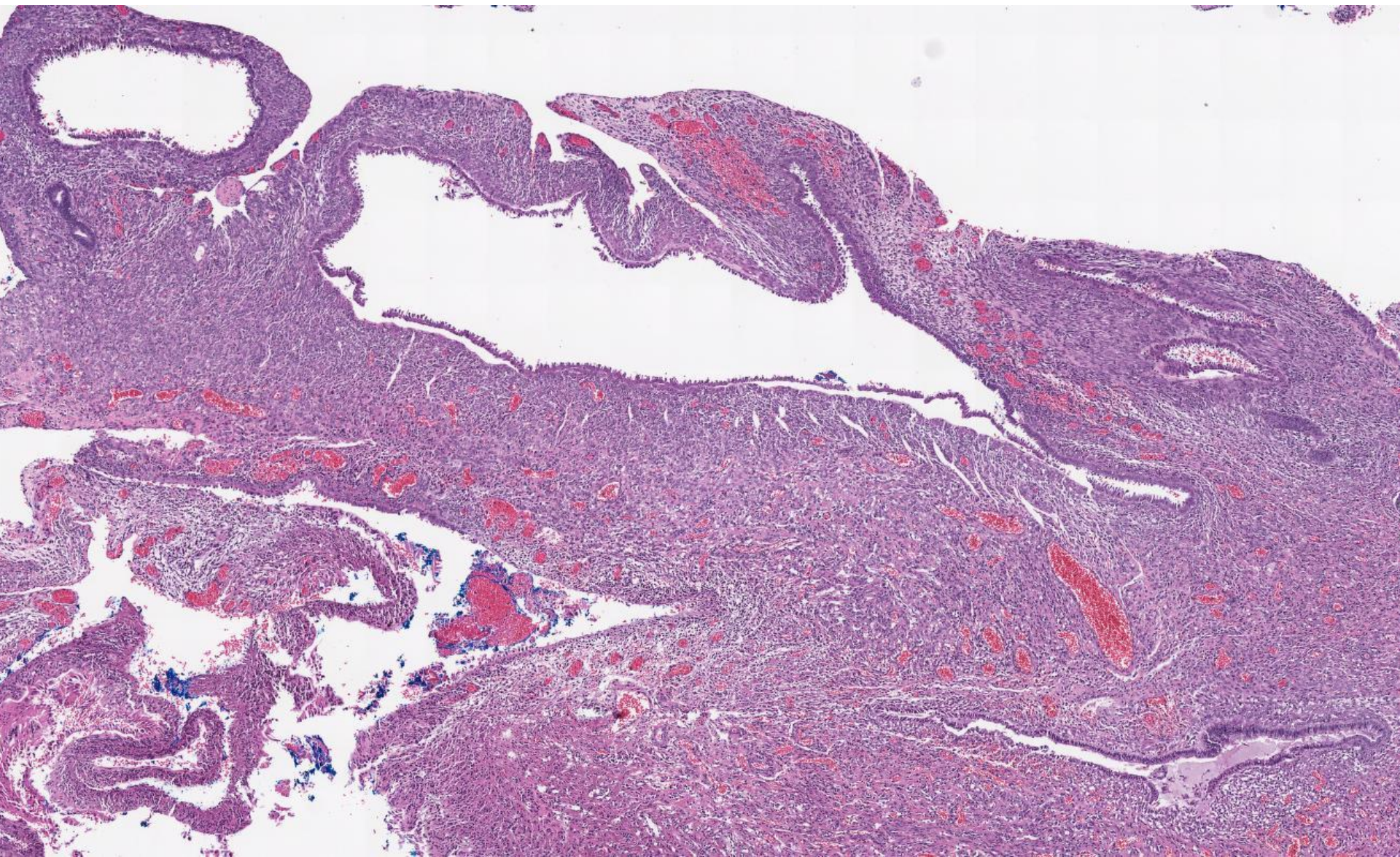
Ankur Sangoi; El Camino Hospital

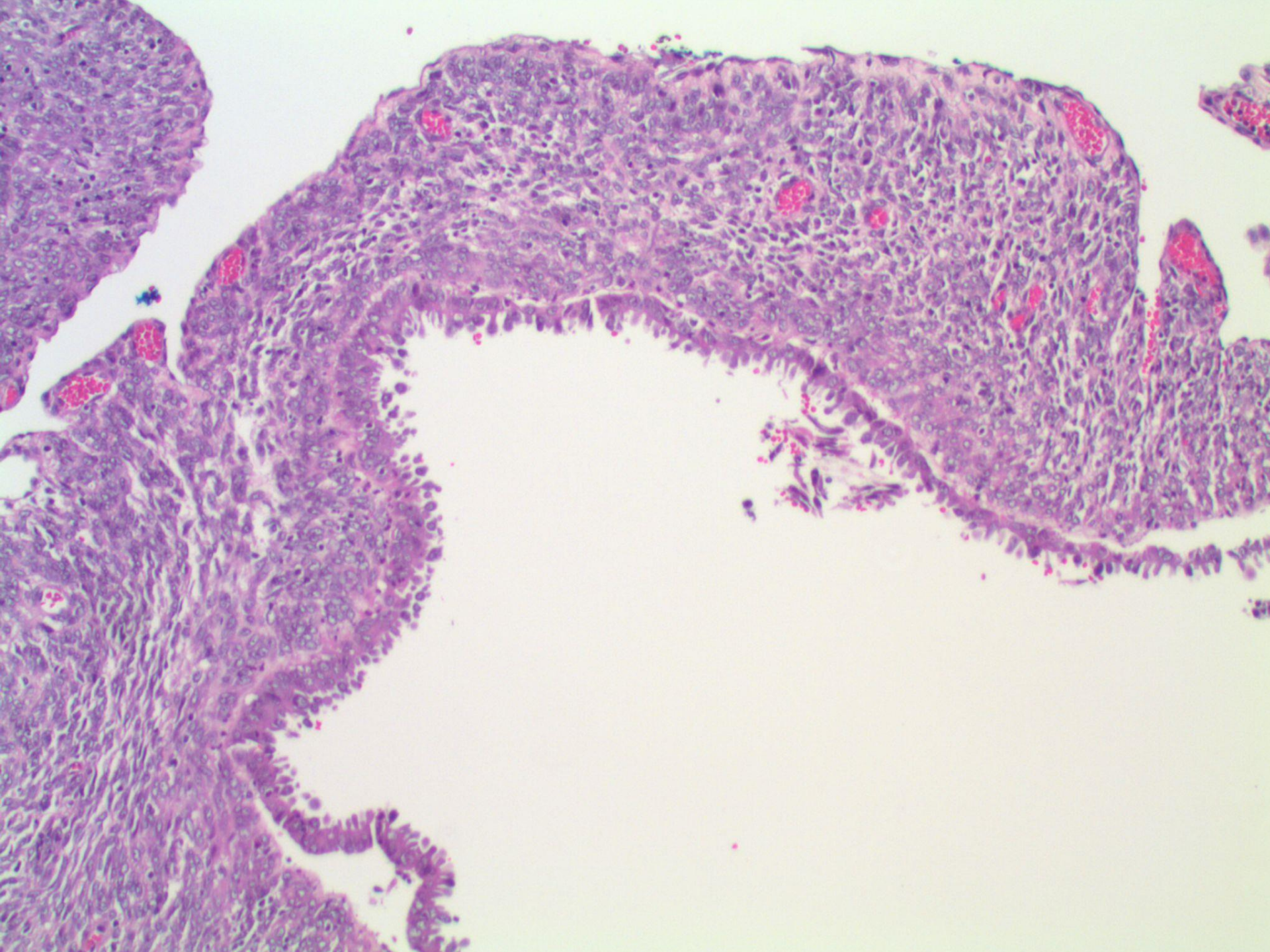
24-year-old female with 4.2cm
right kidney mass.

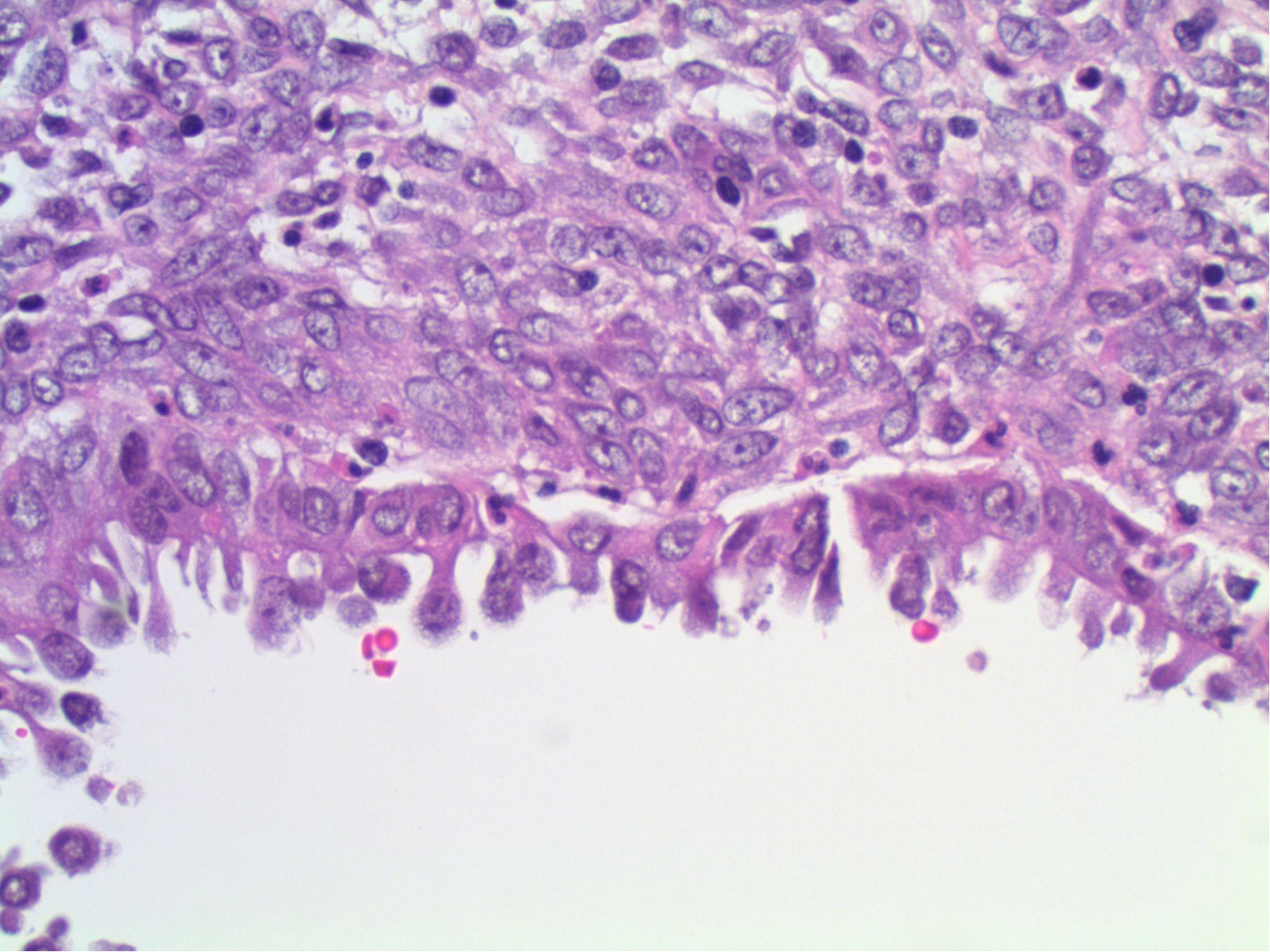








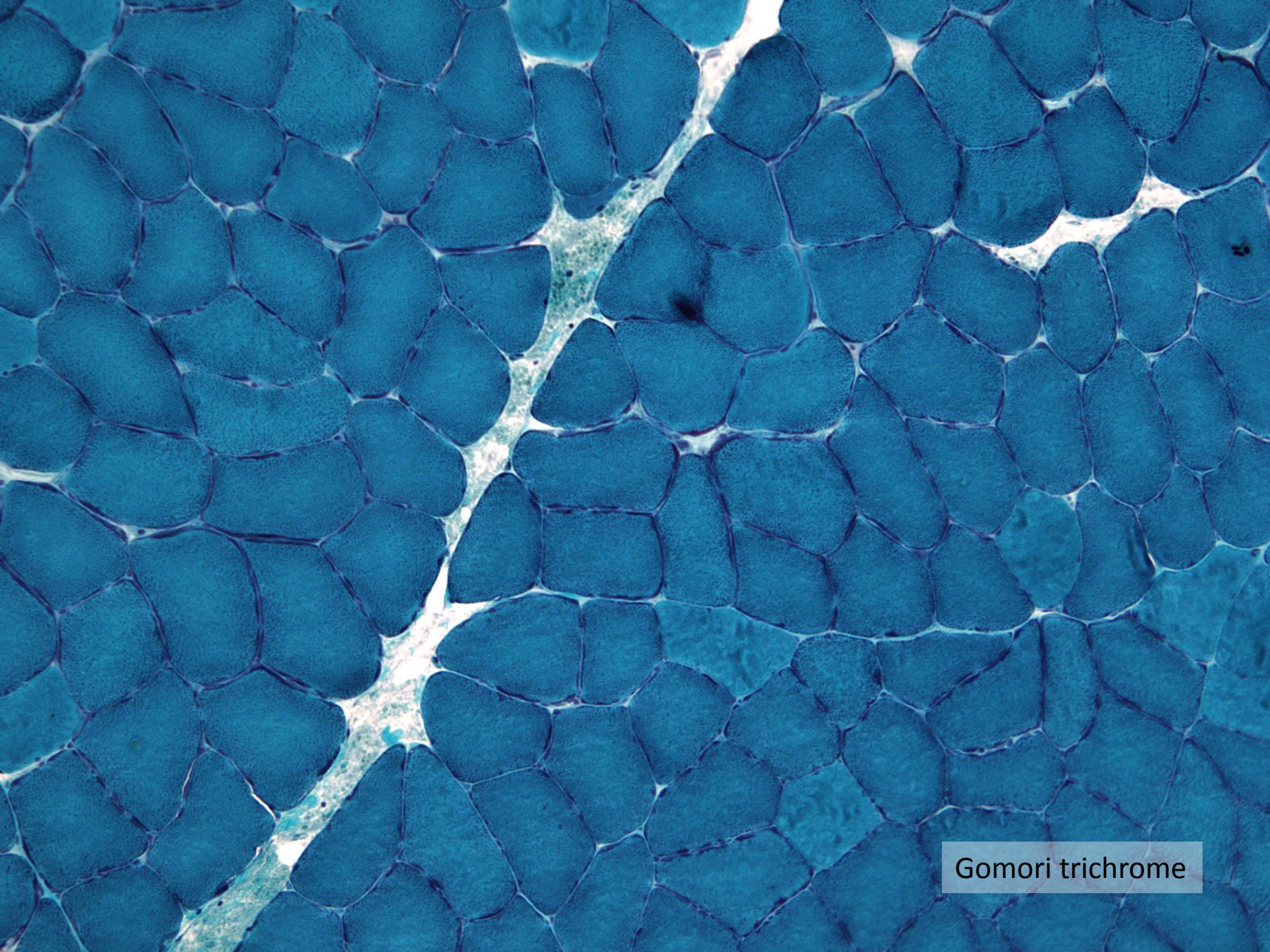




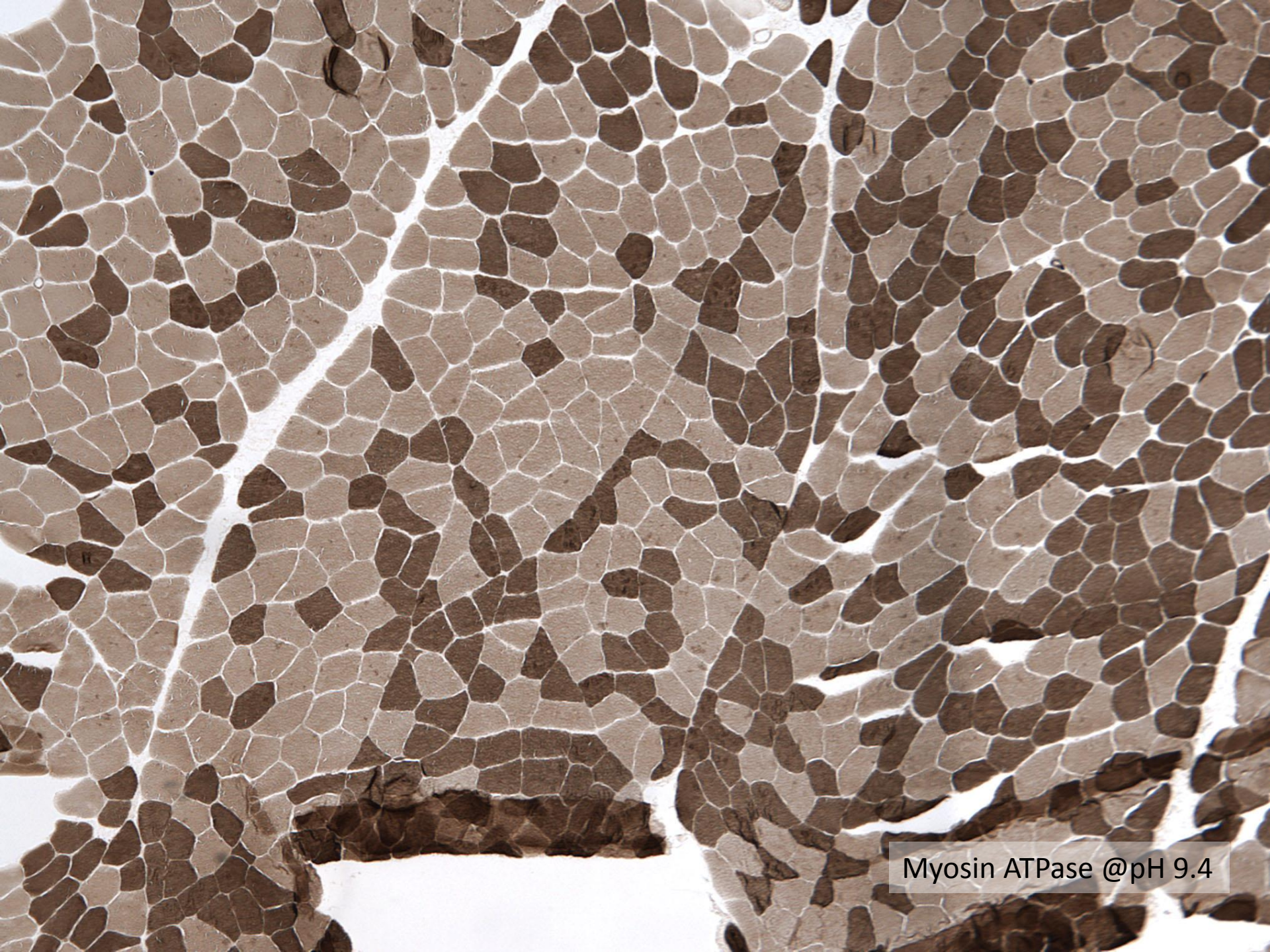
SB 5856

Hannes Vogel; Stanford

43-year-old male with gait unsteadiness, balance disturbance, visual changes, ophthalmoplegia, and foot numbness x 7 years.



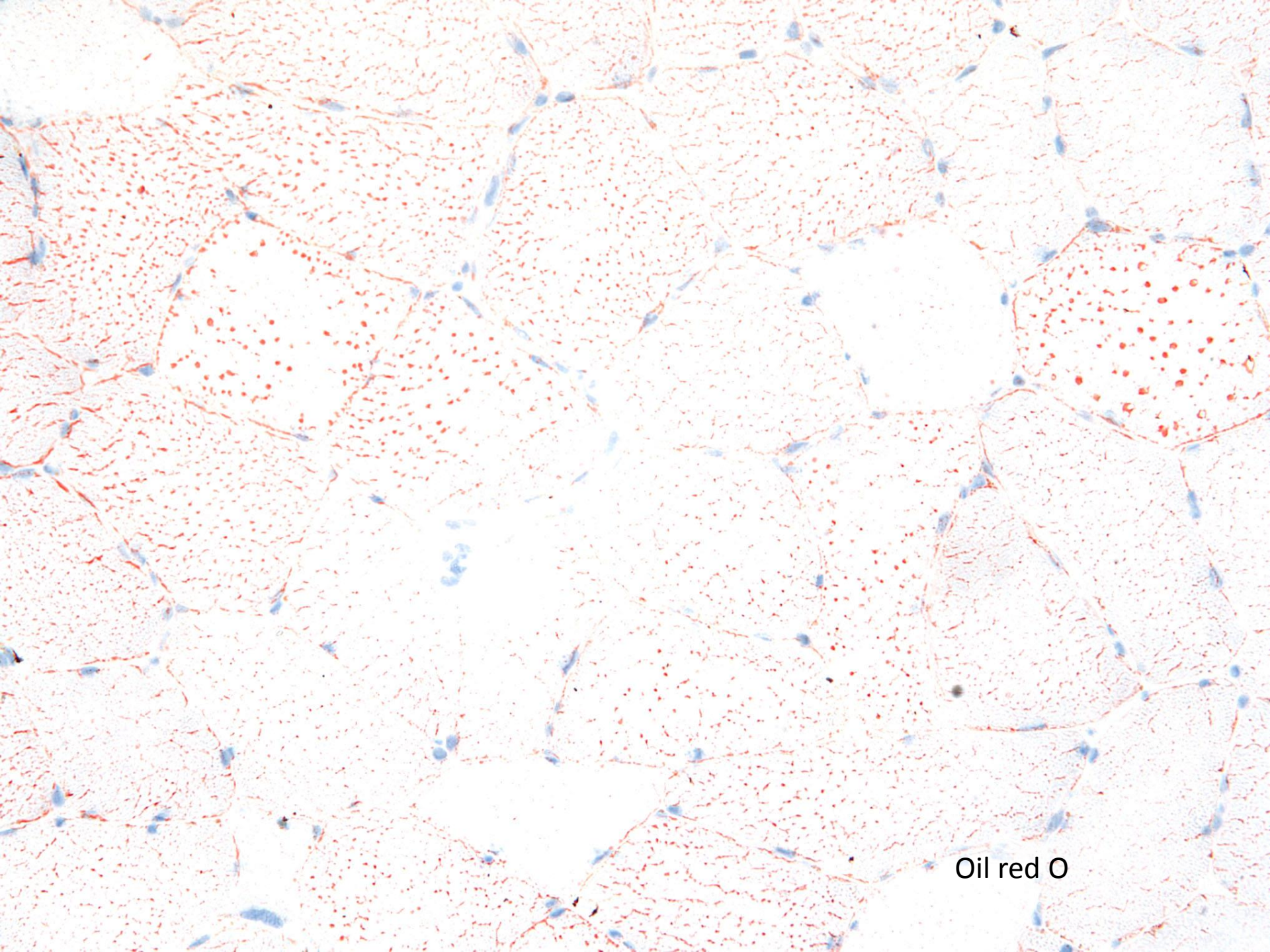
Gomori trichrome



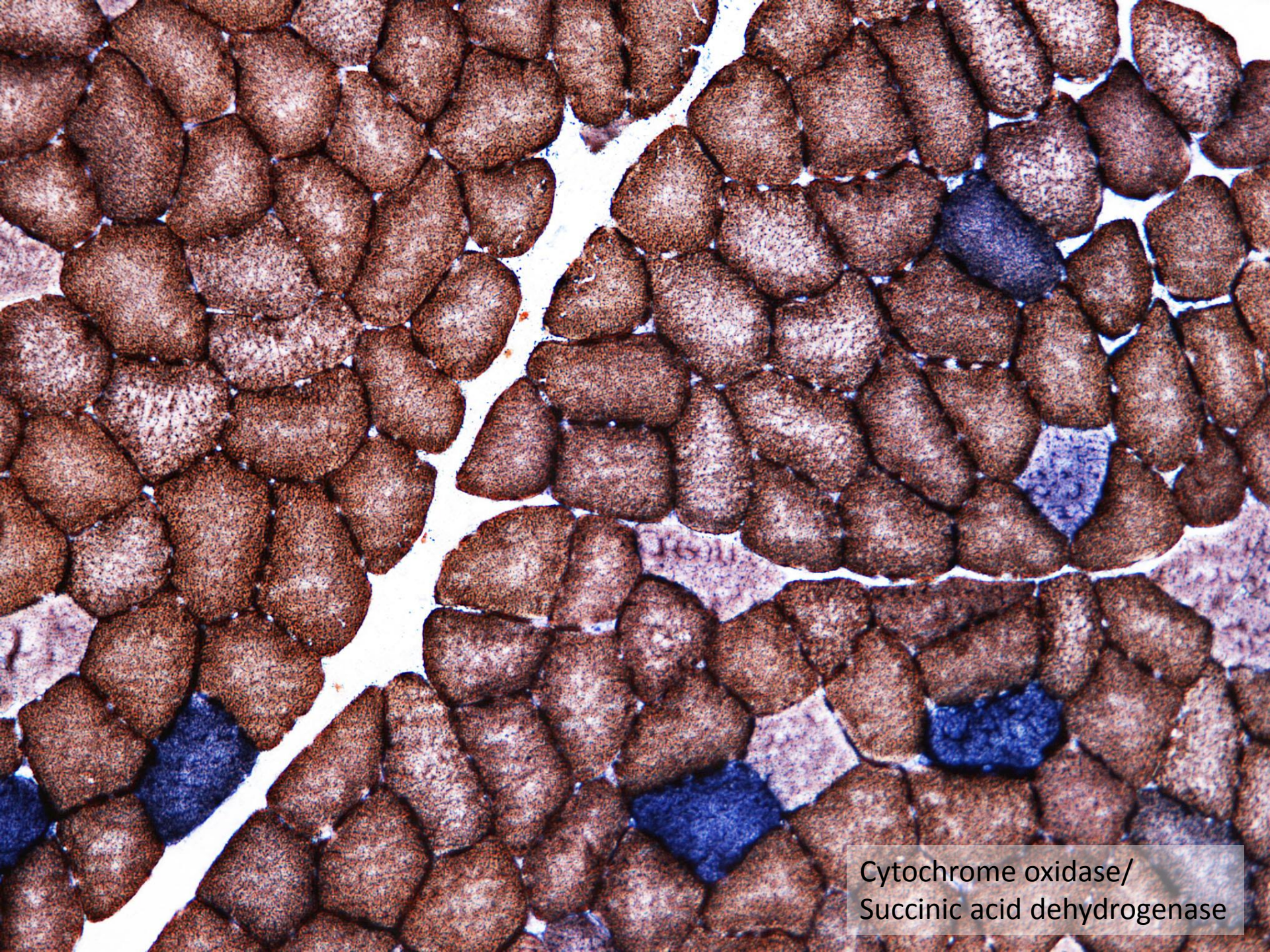
Myosin ATPase @pH 9.4



Esterase



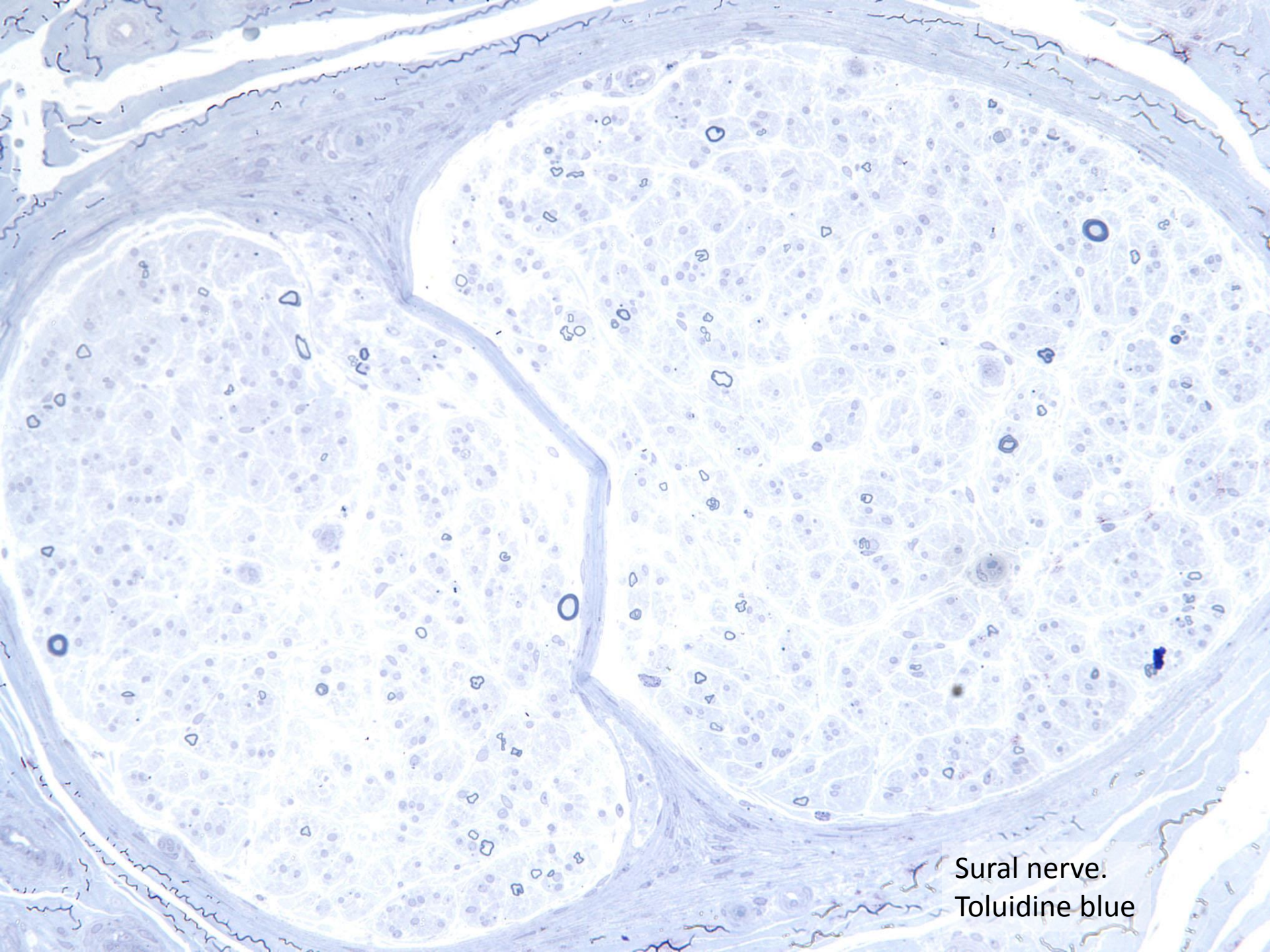
Oil red O



Cytochrome oxidase/
Succinic acid dehydrogenase



Sural nerve. LFB/PAS

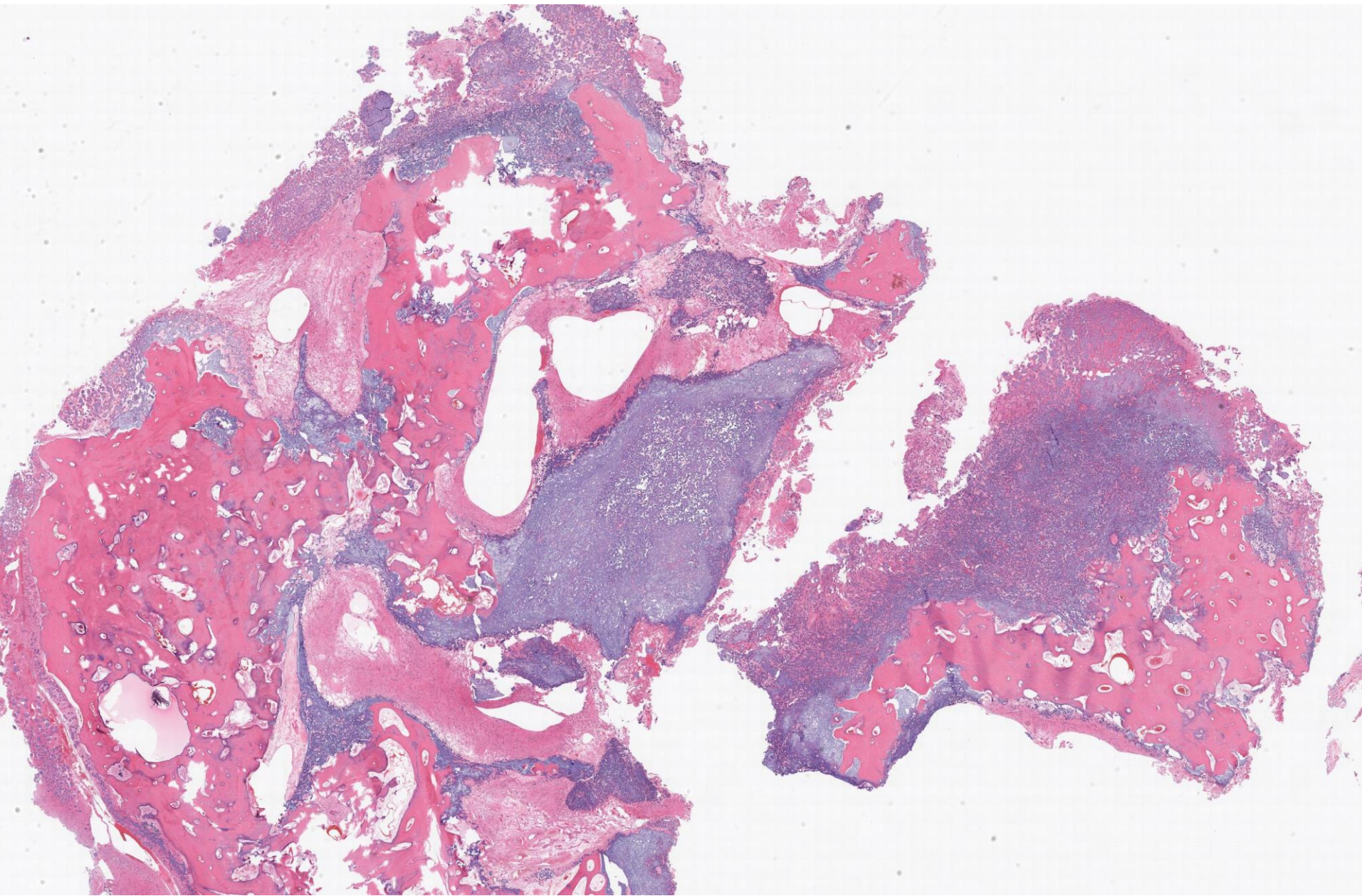


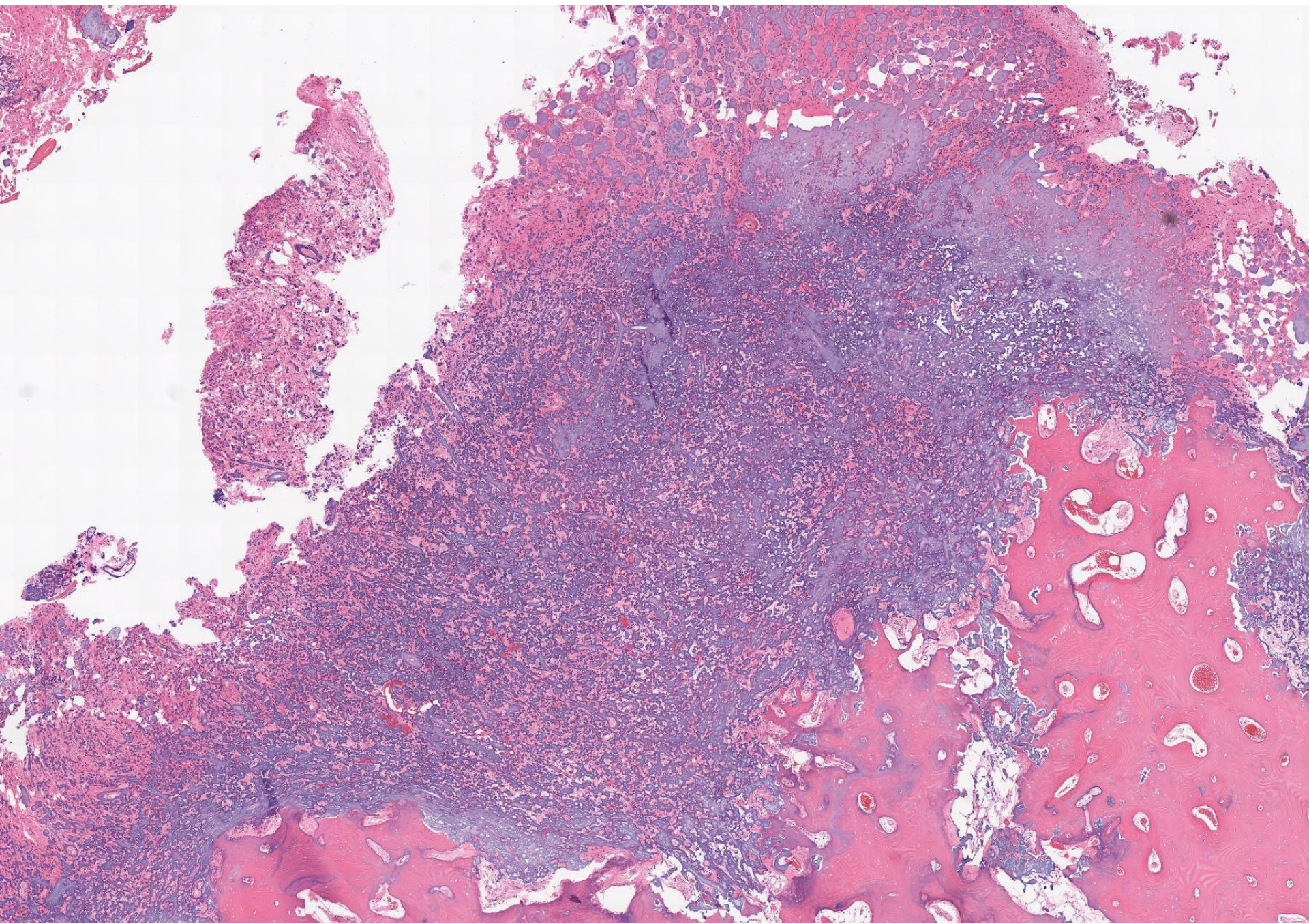
Sural nerve.
Toluidine blue

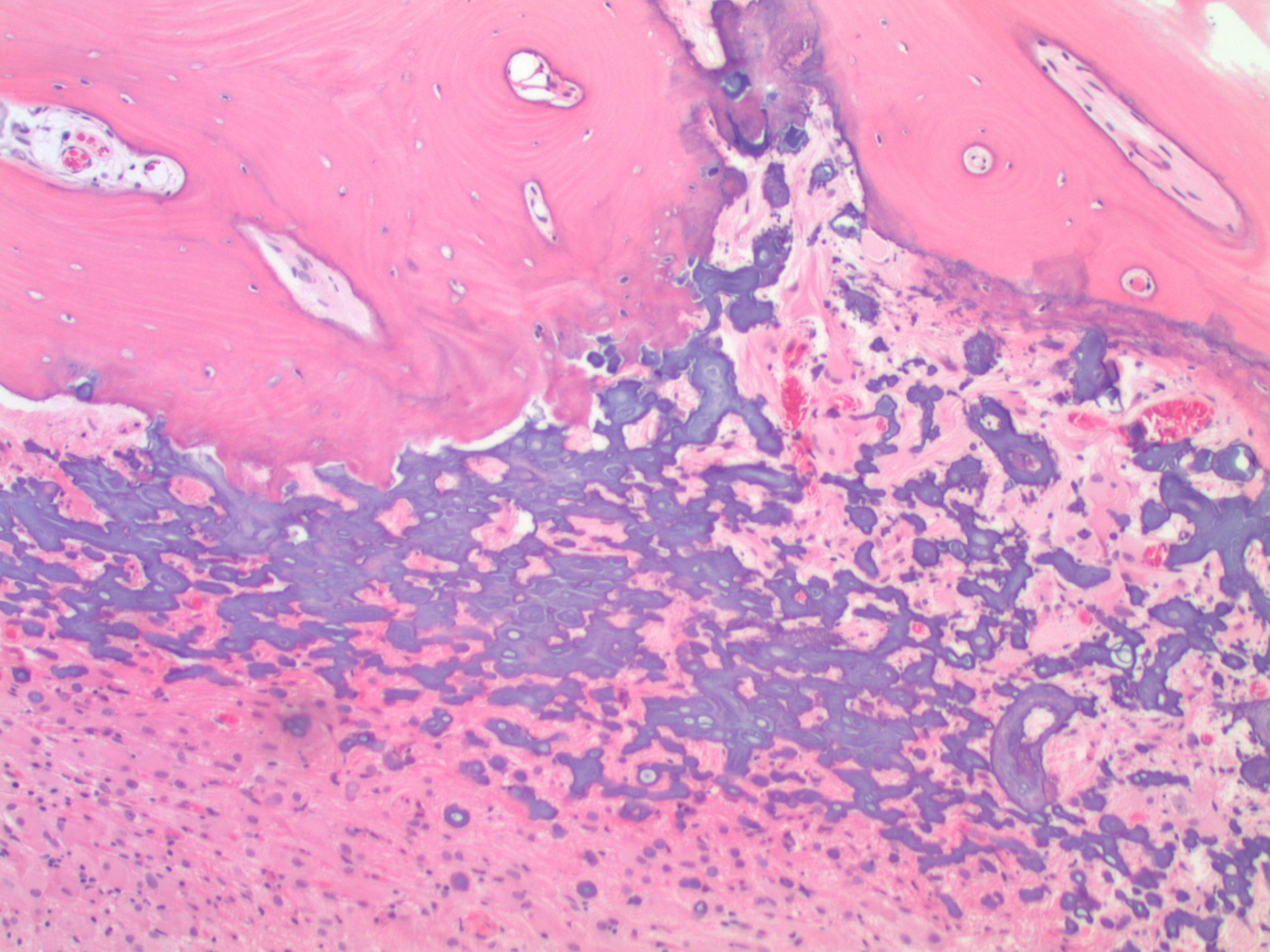
SB 5857

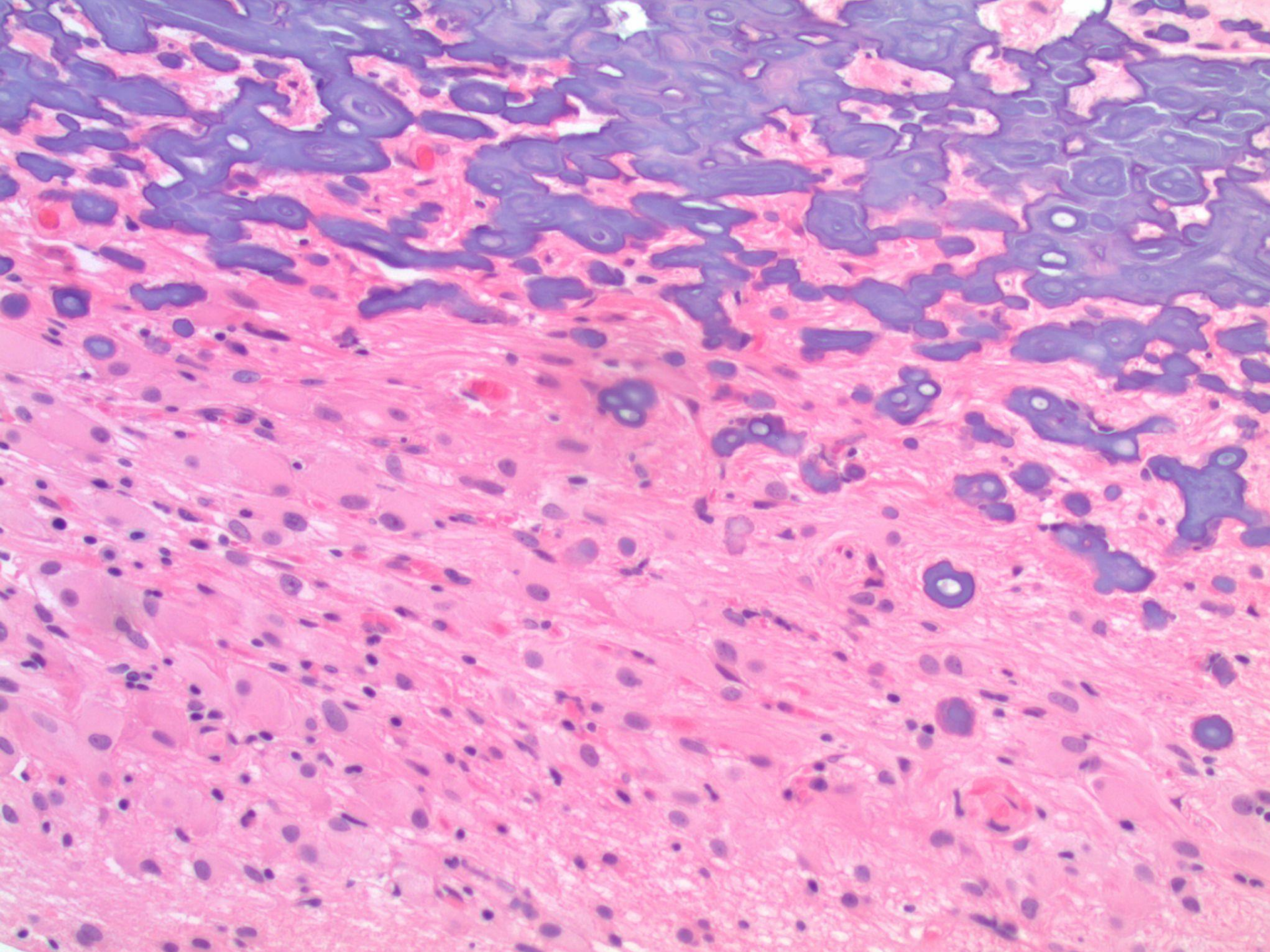
Jennifer Ziskin/Ed Plowey; Stanford

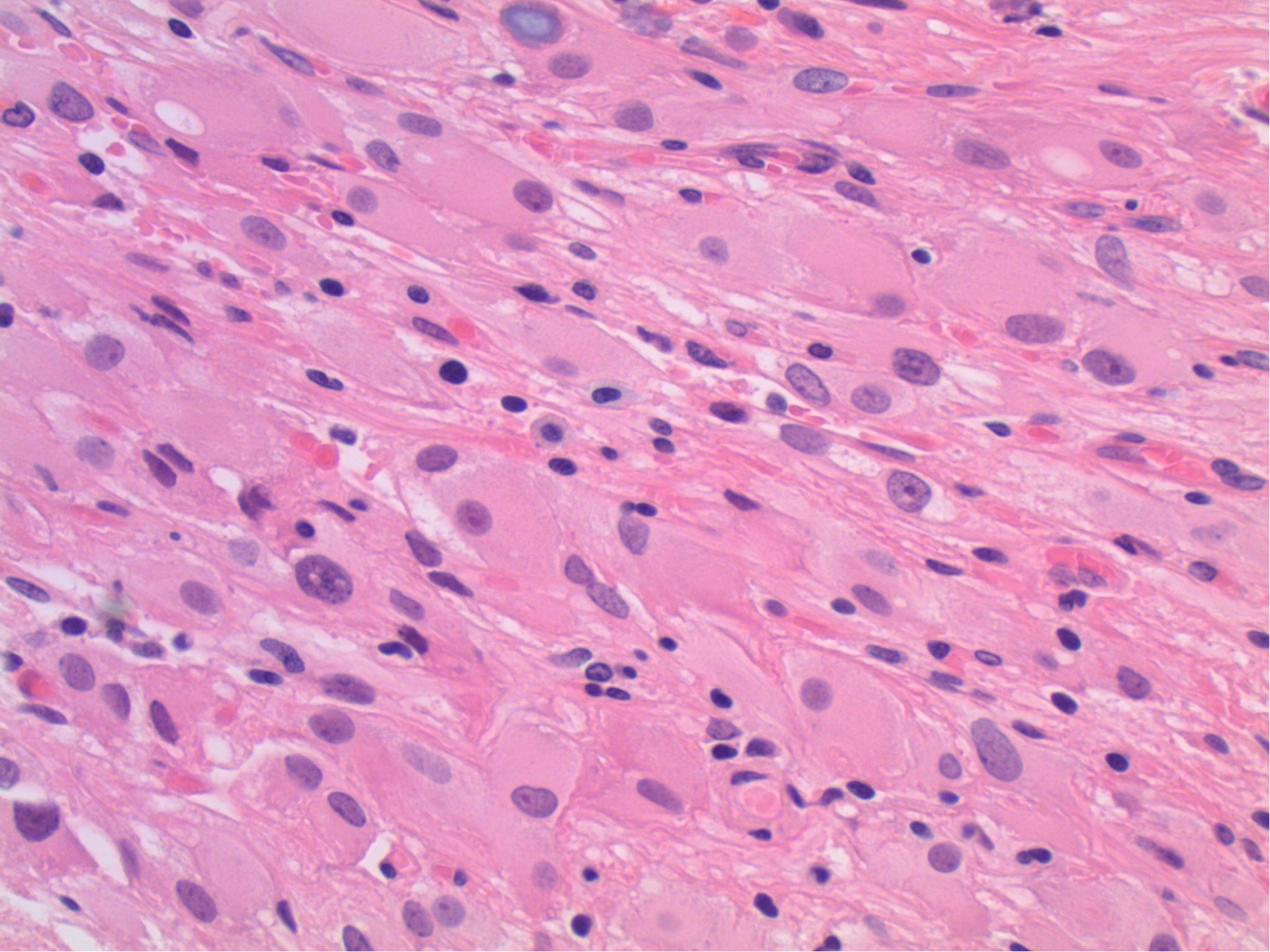
48-year-old female with reportedly no significant past medical history, presented for resection of a multilobulated right posterior temporal lobe mass. The mass showed mild mass effect on the adjacent brain and right lateral ventricle. The clinical diagnosis was a vascular malformation most consistent with a cavernous malformation.











SB 5858

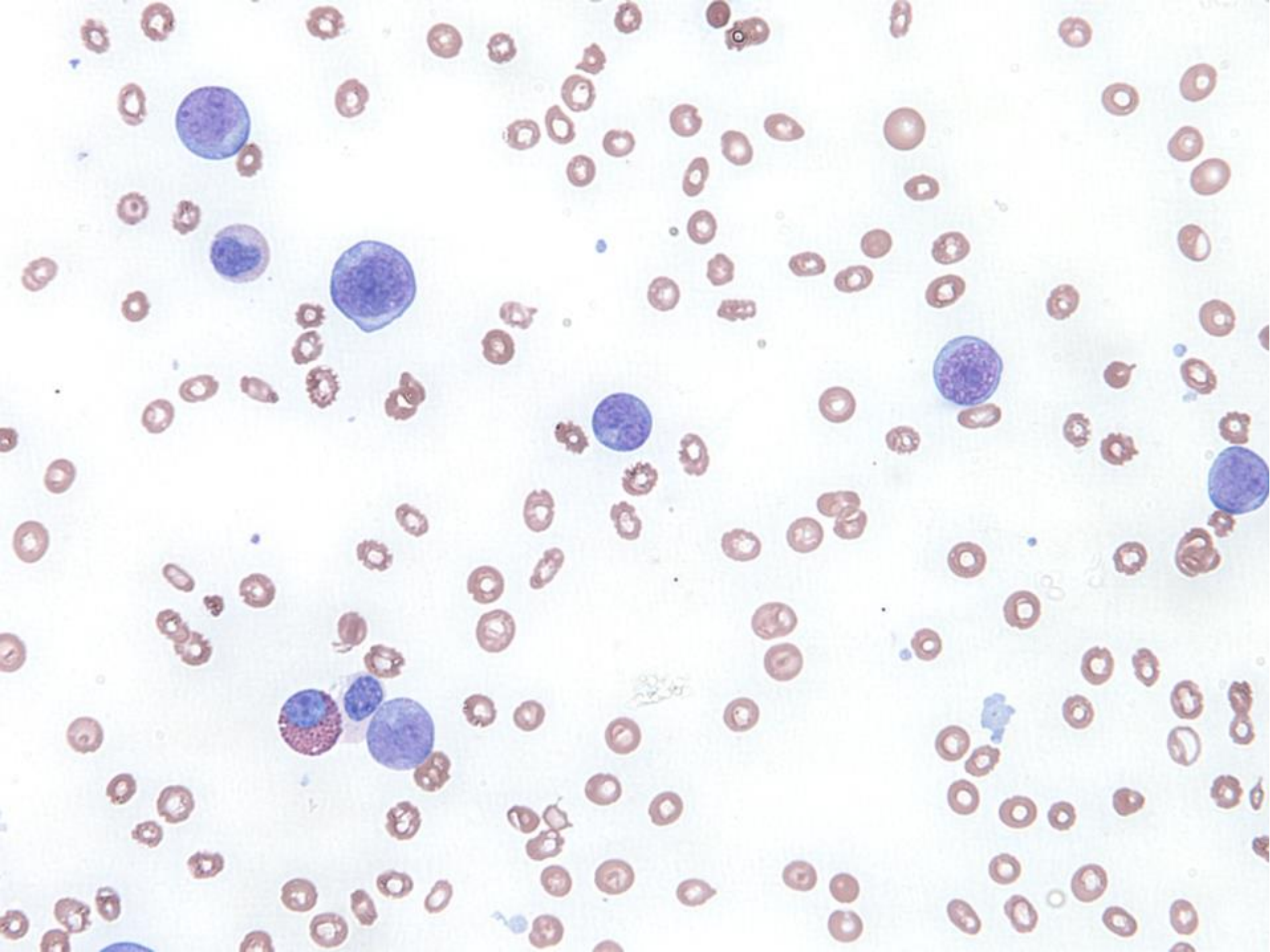
Ryan Johnson/Dean Fong; Stanford/Palo Alto VA

History

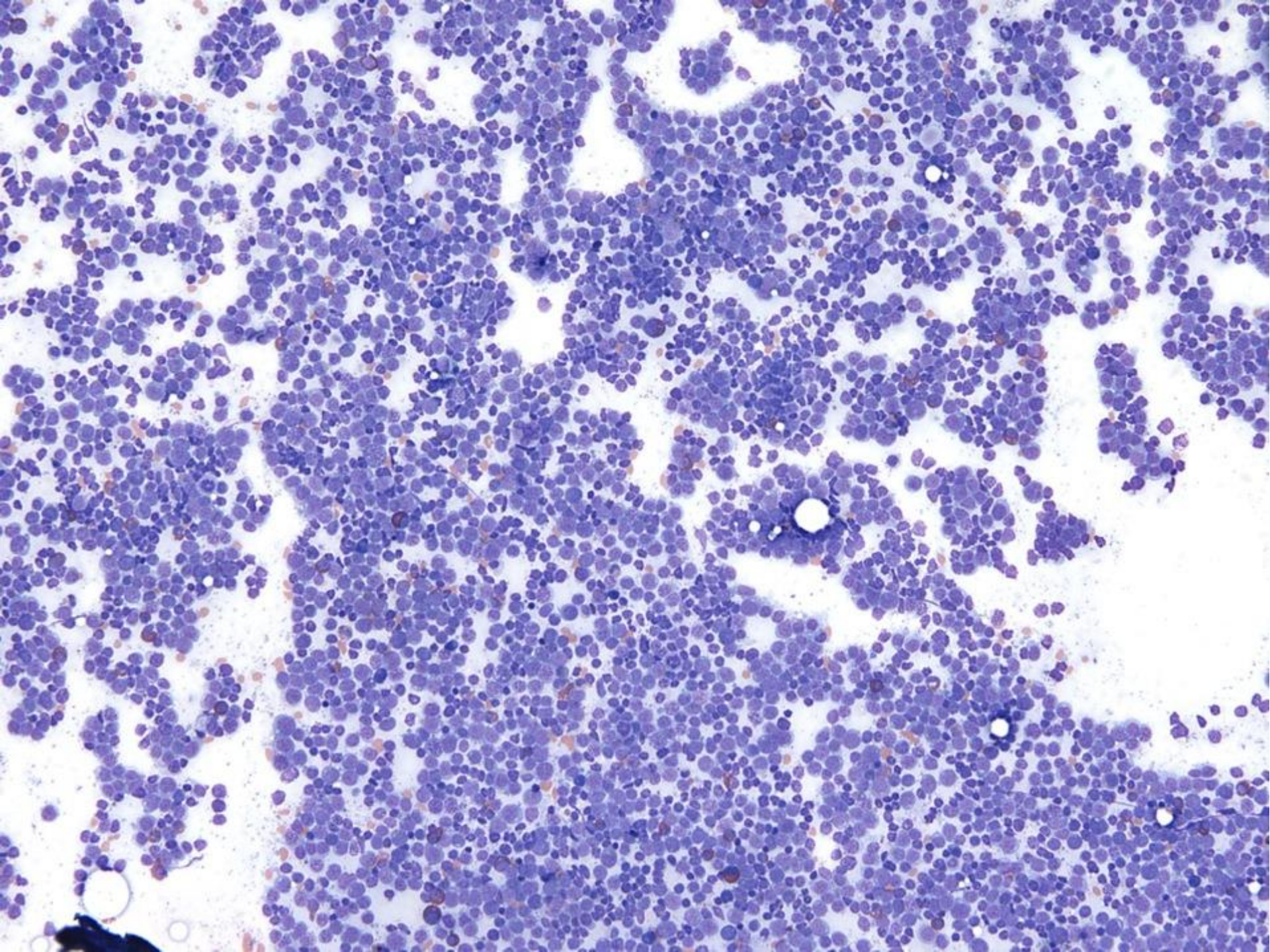
- The patient is a 63 year old male with a prior history of prostate cancer s/p XRT with new diagnosis of acute leukemia.

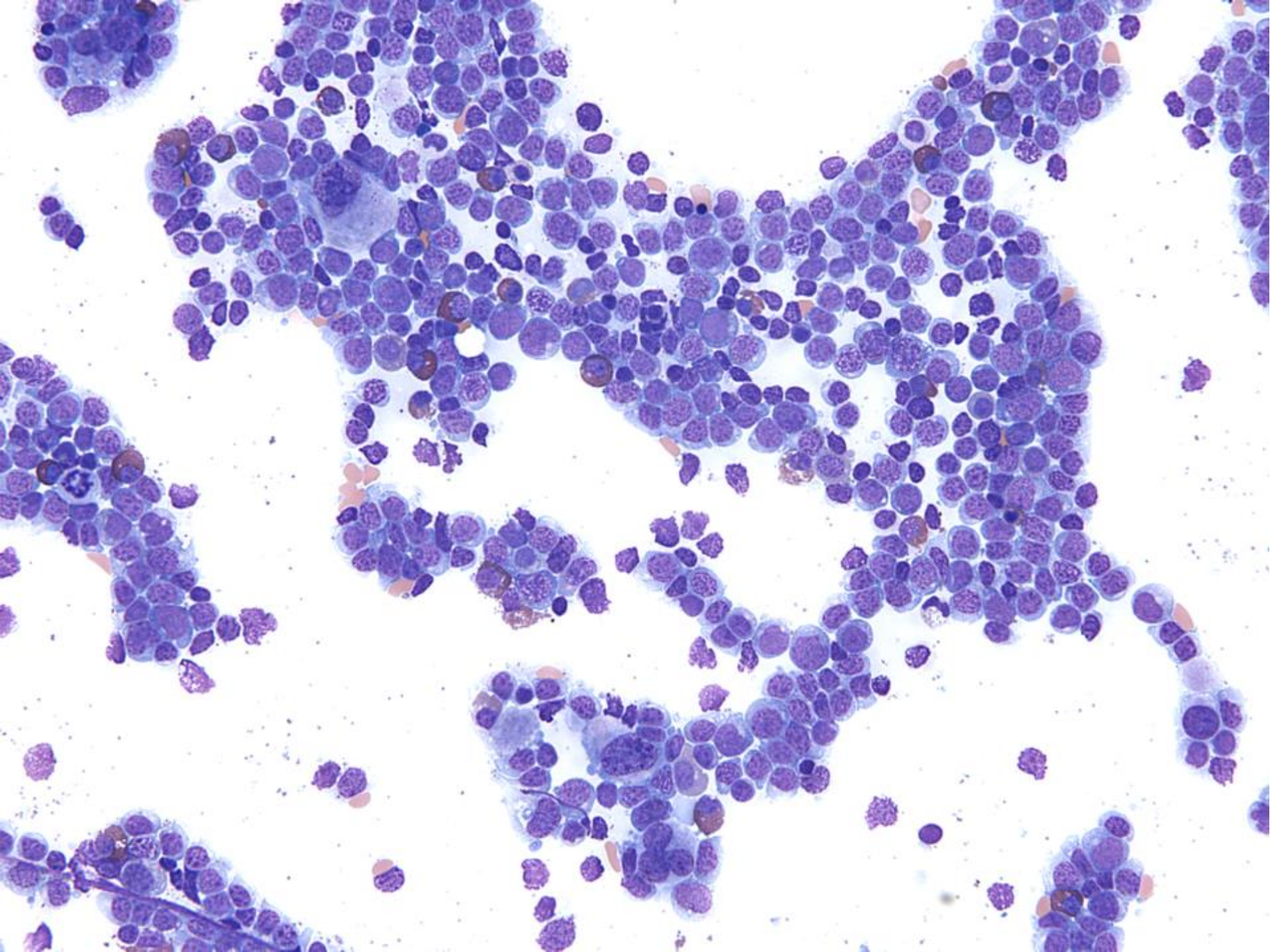
Peripheral blood

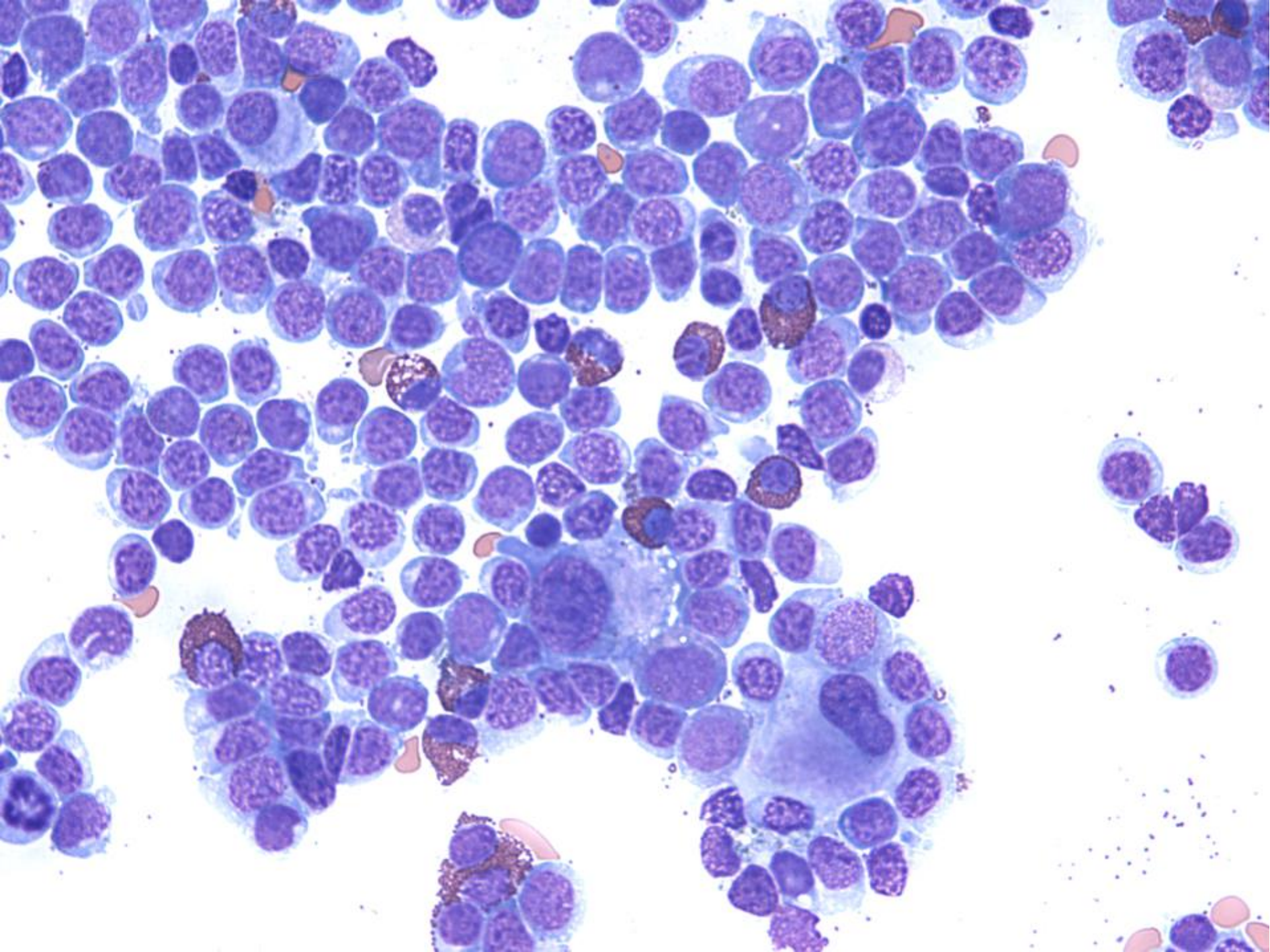
- WBC 82.4 K/uL
 - Manual Differential included 70% blasts
- Hgb 3.6 g/dL
- Plt: 37 K/uL



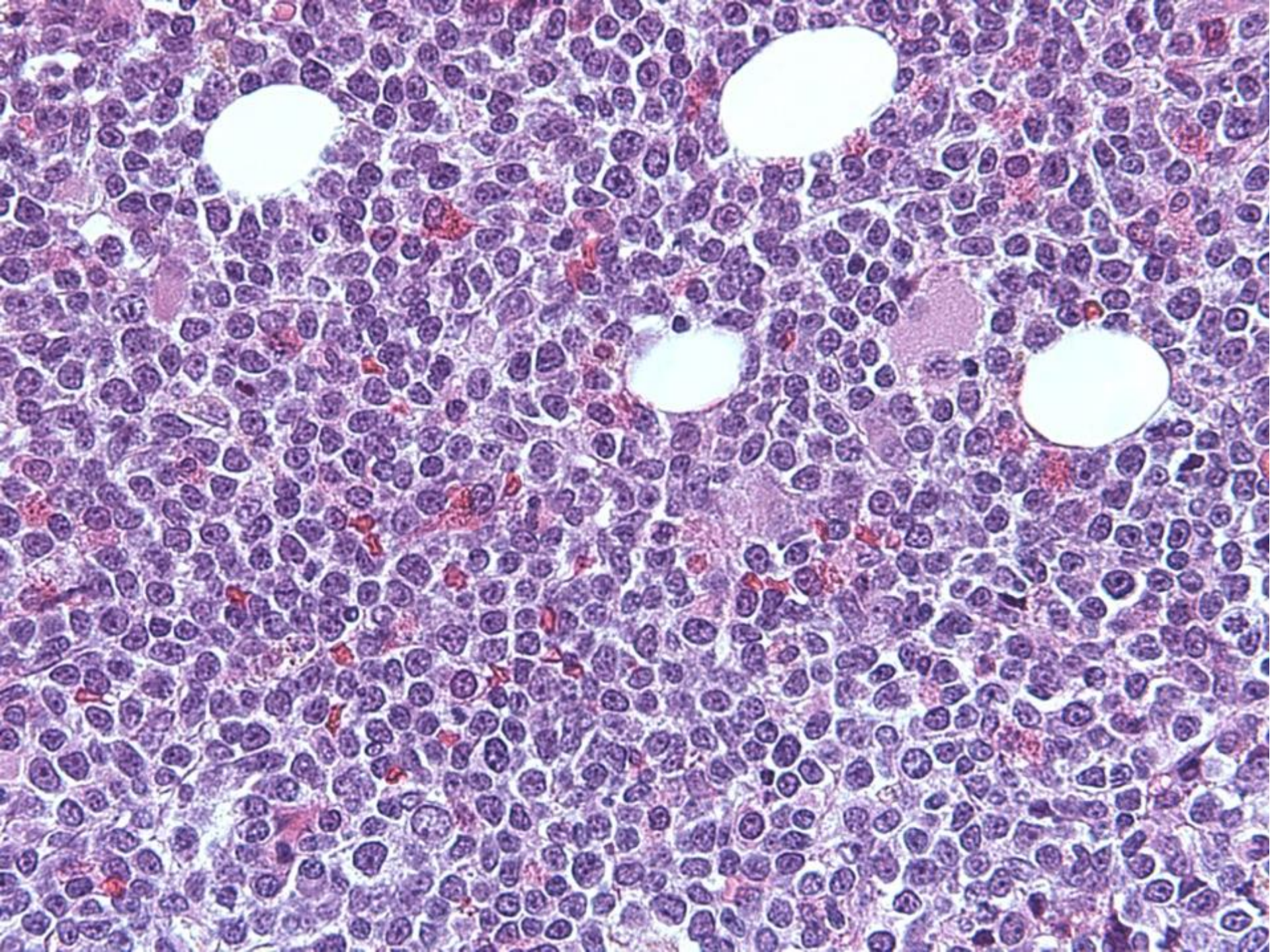
aspirate

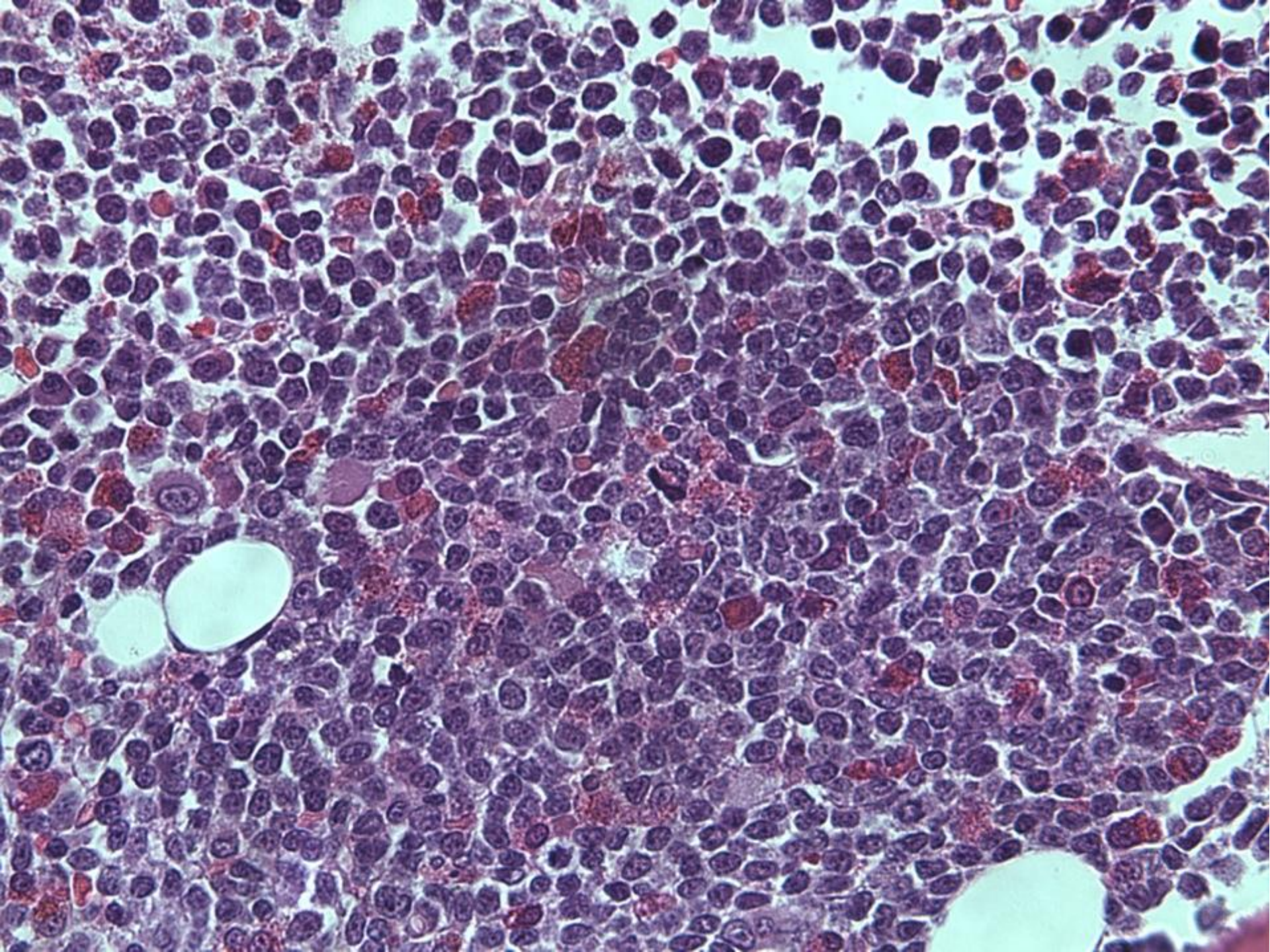




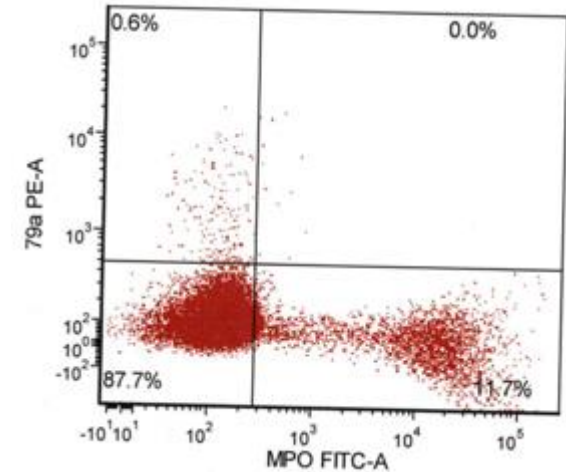
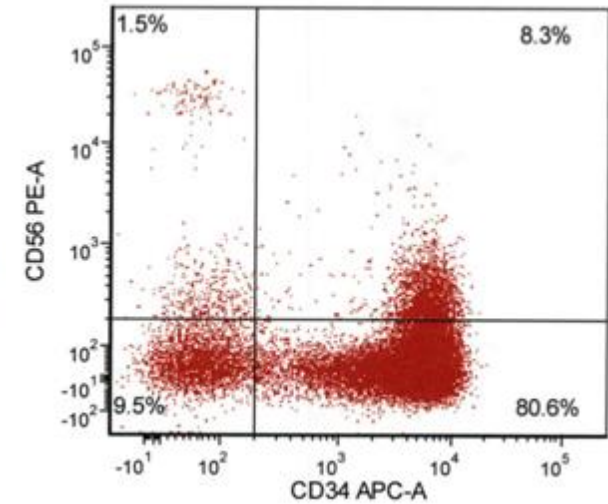
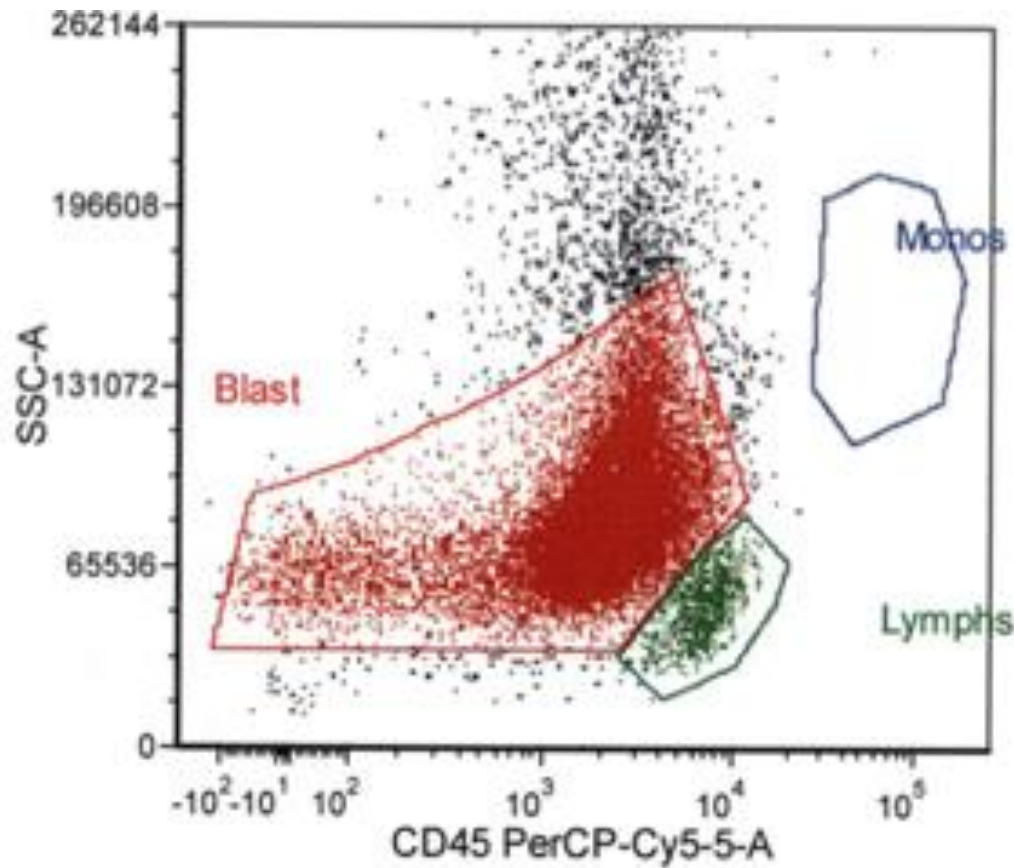


Core biopsy





Flow cytometry



SB 5859

Ryan Johnson/Dita Gratzinger; Stanford

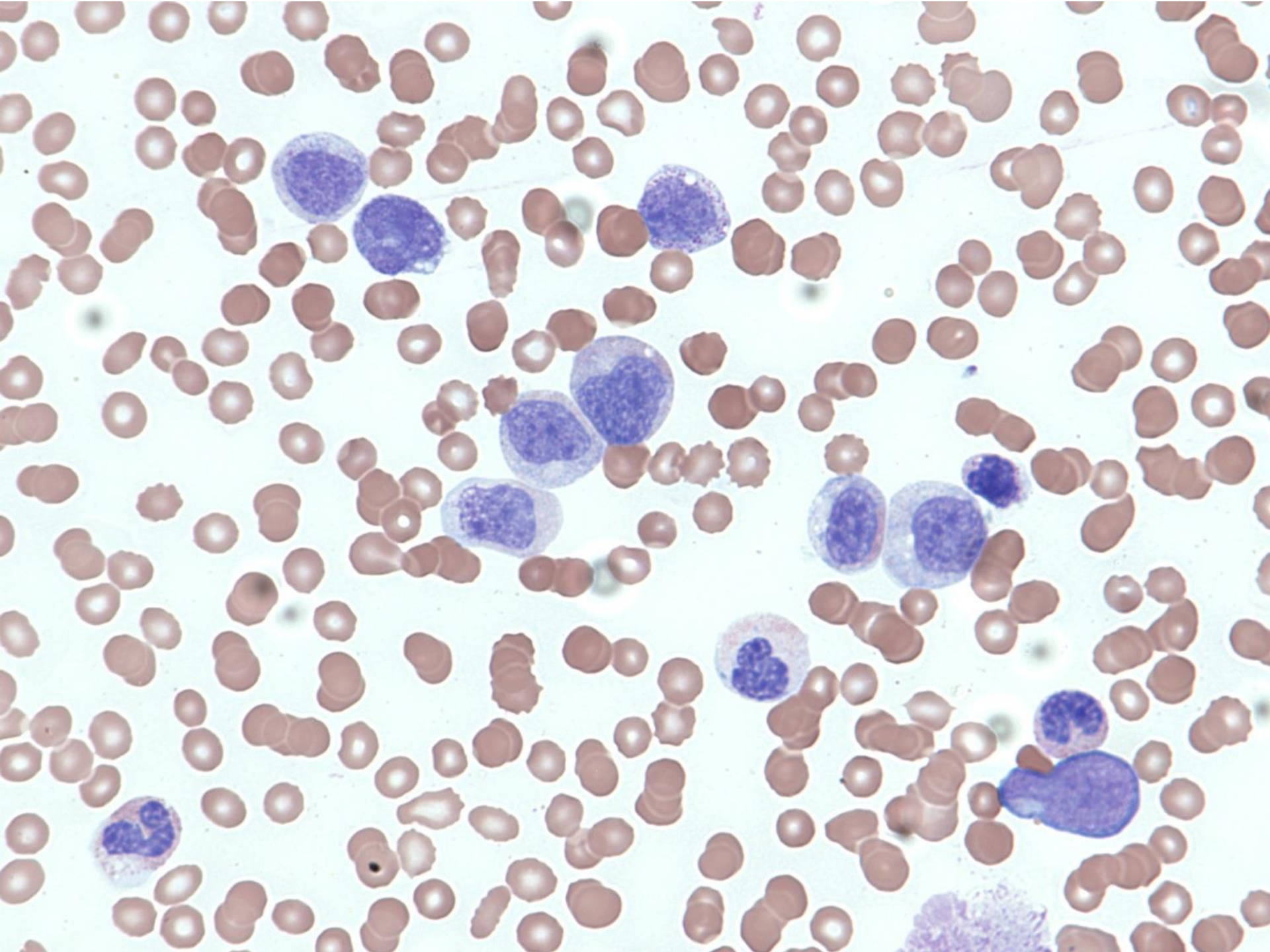
History

- The patient is a 41 year old female who presented to the ED with increased bruising and heart palpitations.

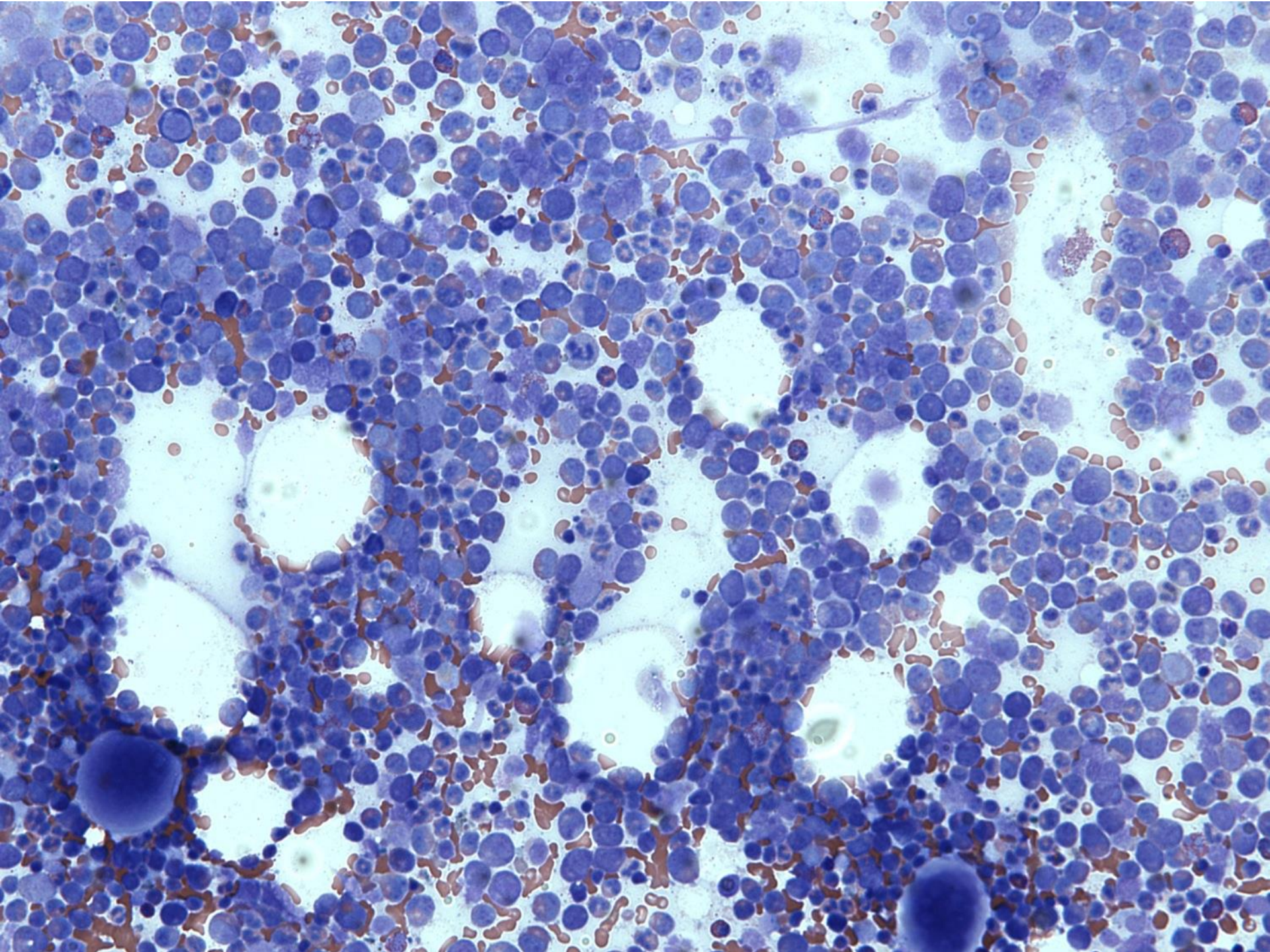
Peripheral blood

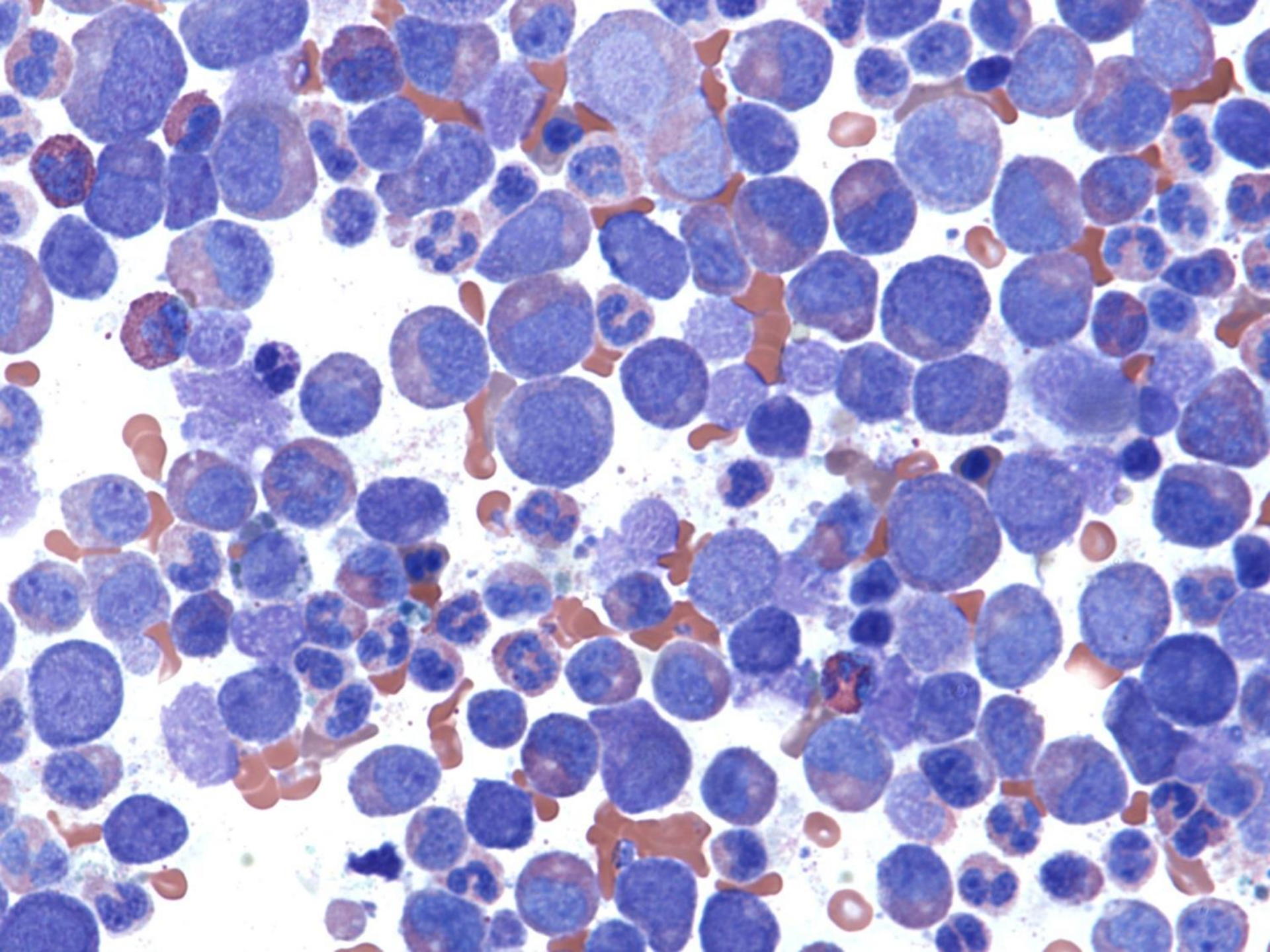
- CBC data
 - WBC 89 K/uL;
 - Hgb 9.4 g/dL;
 - Plt 18K/uL.
- Manual differential
 - **Neutrophils: 18%**
 - Basophils 3%
 - **Myelocytes: 17%**
 - Metamyelocytes 6%
 - **Promyelocytes 38%**
 - Blasts 7%
 - Lymphocytes 11%

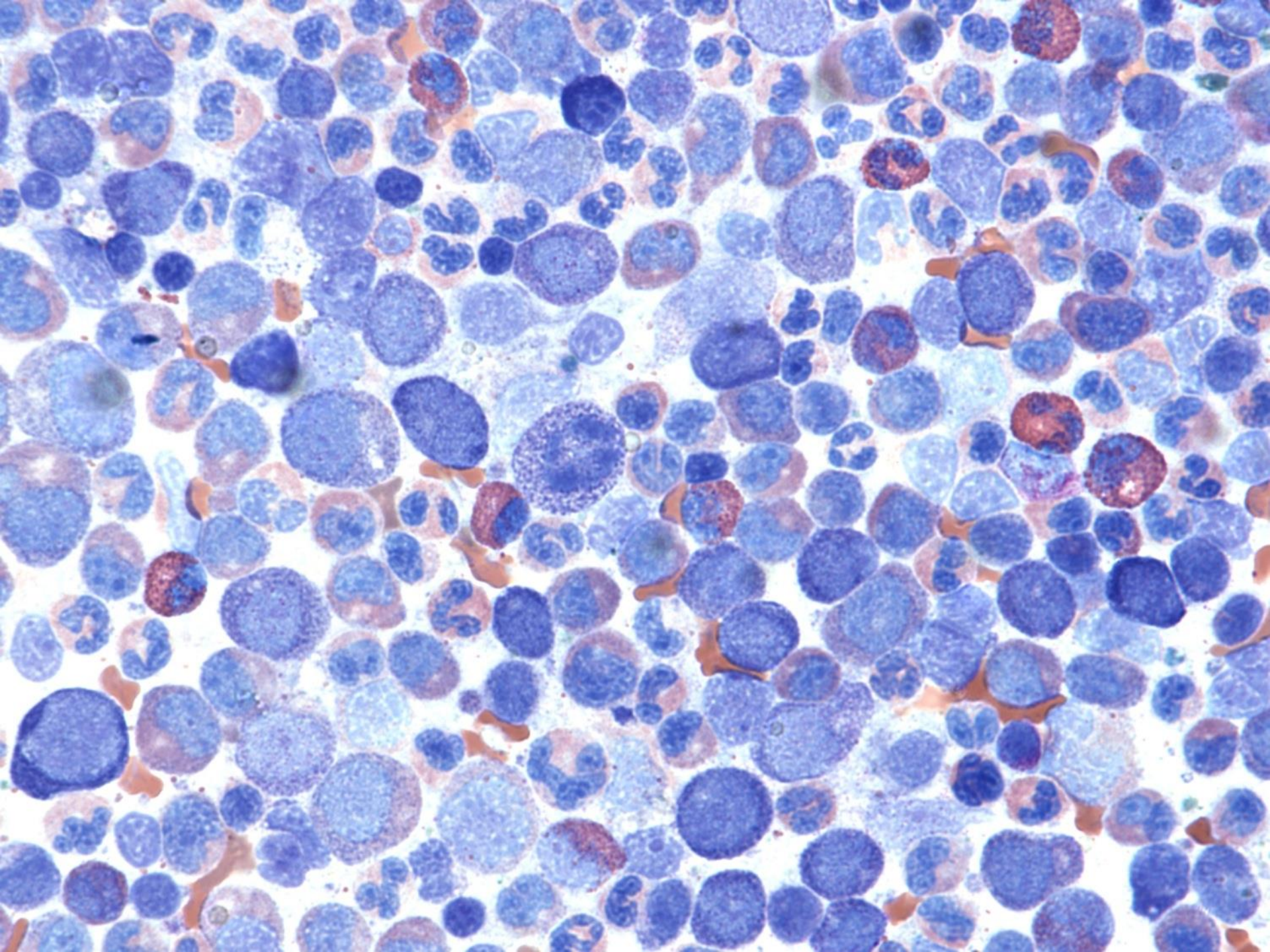
A 'bulge' in the myelocyte and mature granulocyte lineage were noted by the technologist



Aspirate







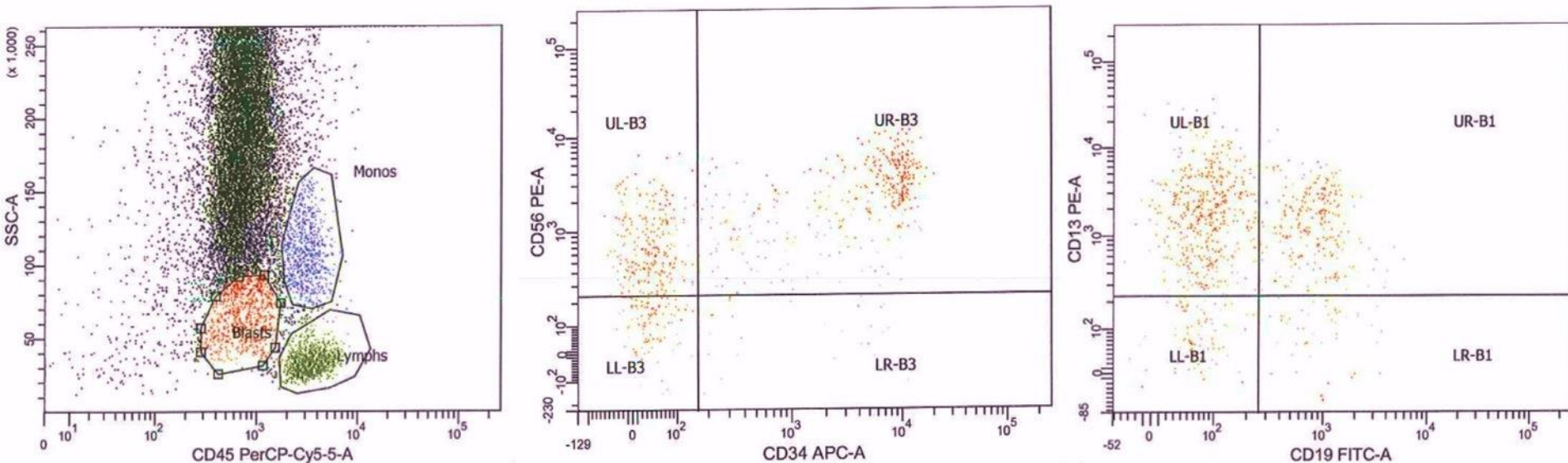
Aspirate differential

- blasts 1%;
- promyelocytes 9%;
- **myelocytes 28%;**
- metamyelocytes 20%;
- **segs/bands 34%;**
- erythroids 4%;
- lymphs 2%;
- plasma cells 1%;
- monocytes 1%.

Ancillary Studies

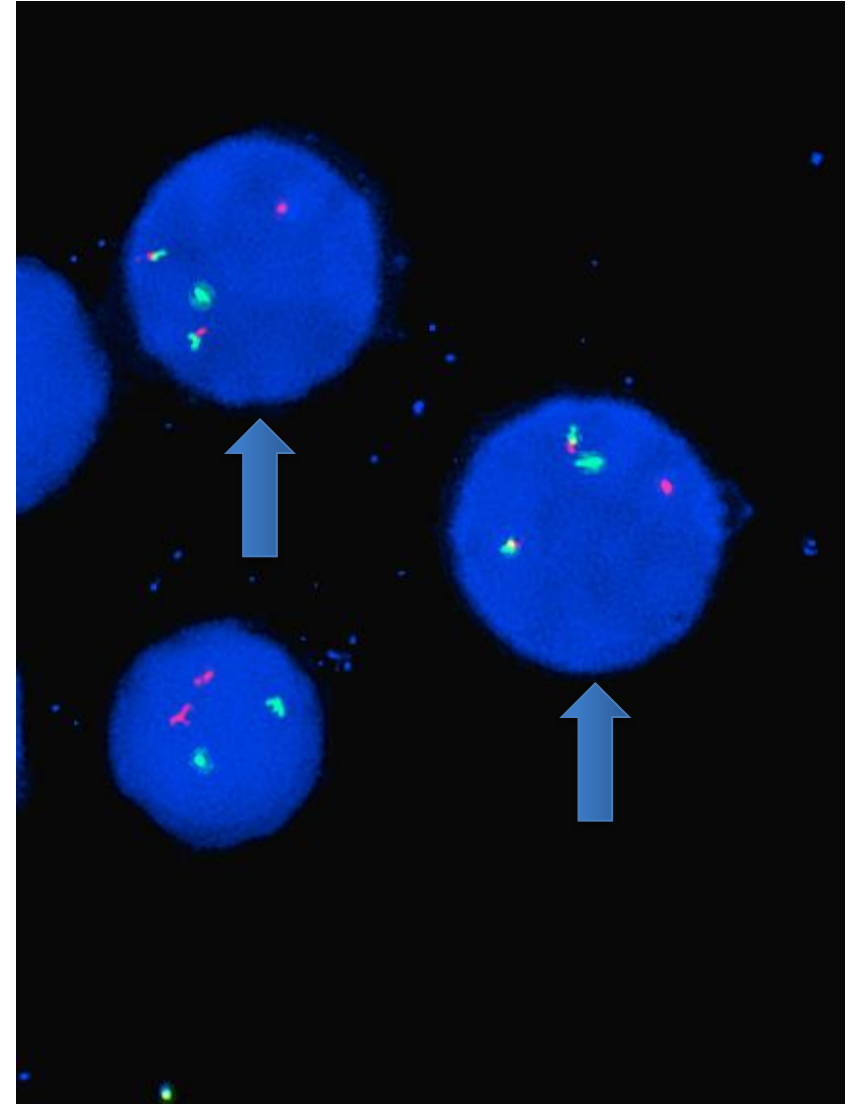
Flow cytometry

- CD34+ blasts less than 1% of CD45+ events



Cytogenetics and *FISH*

- Cytogenetics showed a translocation in 21 of 21 cells
- FISH (at right) using a dual fusion probe showed this pattern in 176 of 200 cells (88%) confirming the translocation.
- Note: *BCR-ABL1* analysis was negative



SB 5860

Mike Nguyen/Dean Fong/Barbara Egbert;
Stanford/Palo Alto VA

66-year-old male with ill-defined 2.5cm upper
forehead skin nodule.

