



What kind of inflammatory changes can we find in different ILDs? Are they disease specific?

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**What kind of inflammatory
changes can we find
in different ILDs?**

ALL!

Are they disease specific?

NO!

Let's go for a Czech beer!



However...

- Inflammatory changes are very important morphological clue
- Need to ask 4 easy questions:

Where

Which

How much

How long/treatment

ATS/ERS: Clinical Diagnosis

Pathology Diagnosis

- Idiopathic pulmonary fibrosis
Usual Interstitial Pneumonia - UIP
- Desquamative interstitial pneumonia
Desquamative Interstitial Pneumonia - DIP
- Respiratory bronchiolitis interstitial lung disease
Respiratory Bronchiolitis - RB (-ILD)
- Acute interstitial pneumonia
Diffuse Alveolar Damage - DAD
- Non-specific interstitial pneumonia
Non-specific Interstitial Pneumonia - NSIP
- Cryptogenic organizing pneumonia
Organizing Pneumonia - OP

Where

- Distribution of inflammatory cells:

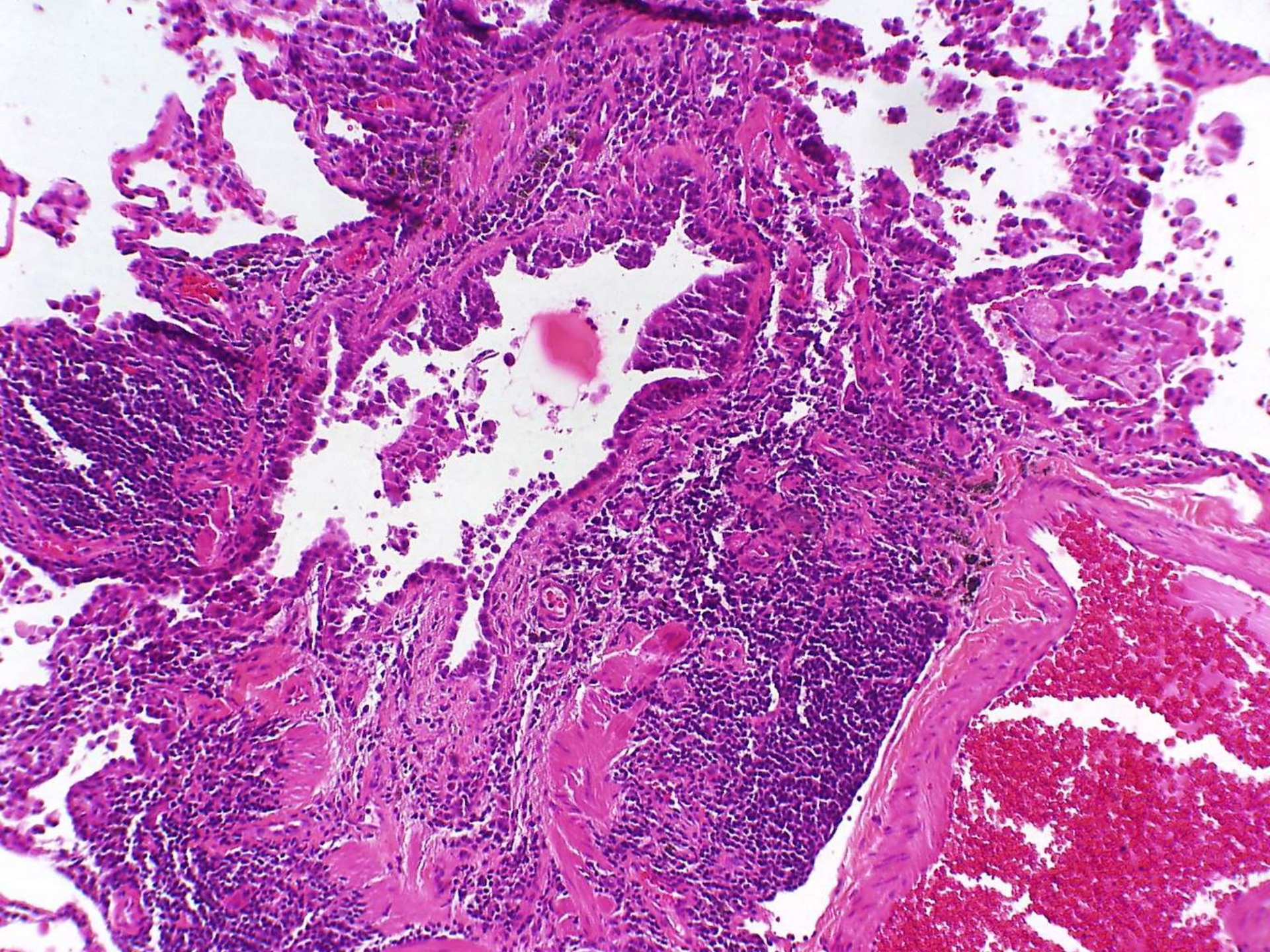
Bronchocentric

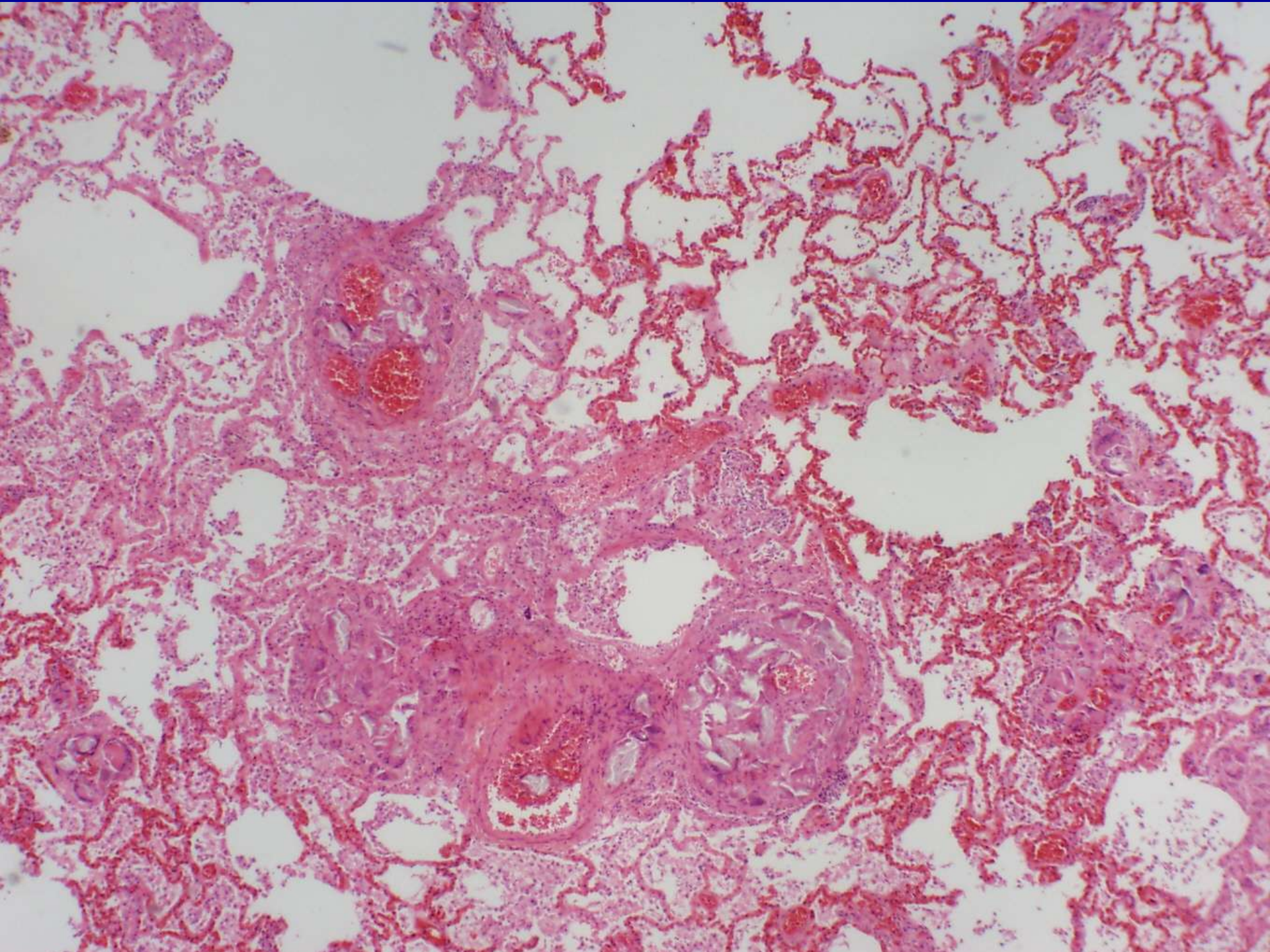
Perivascular

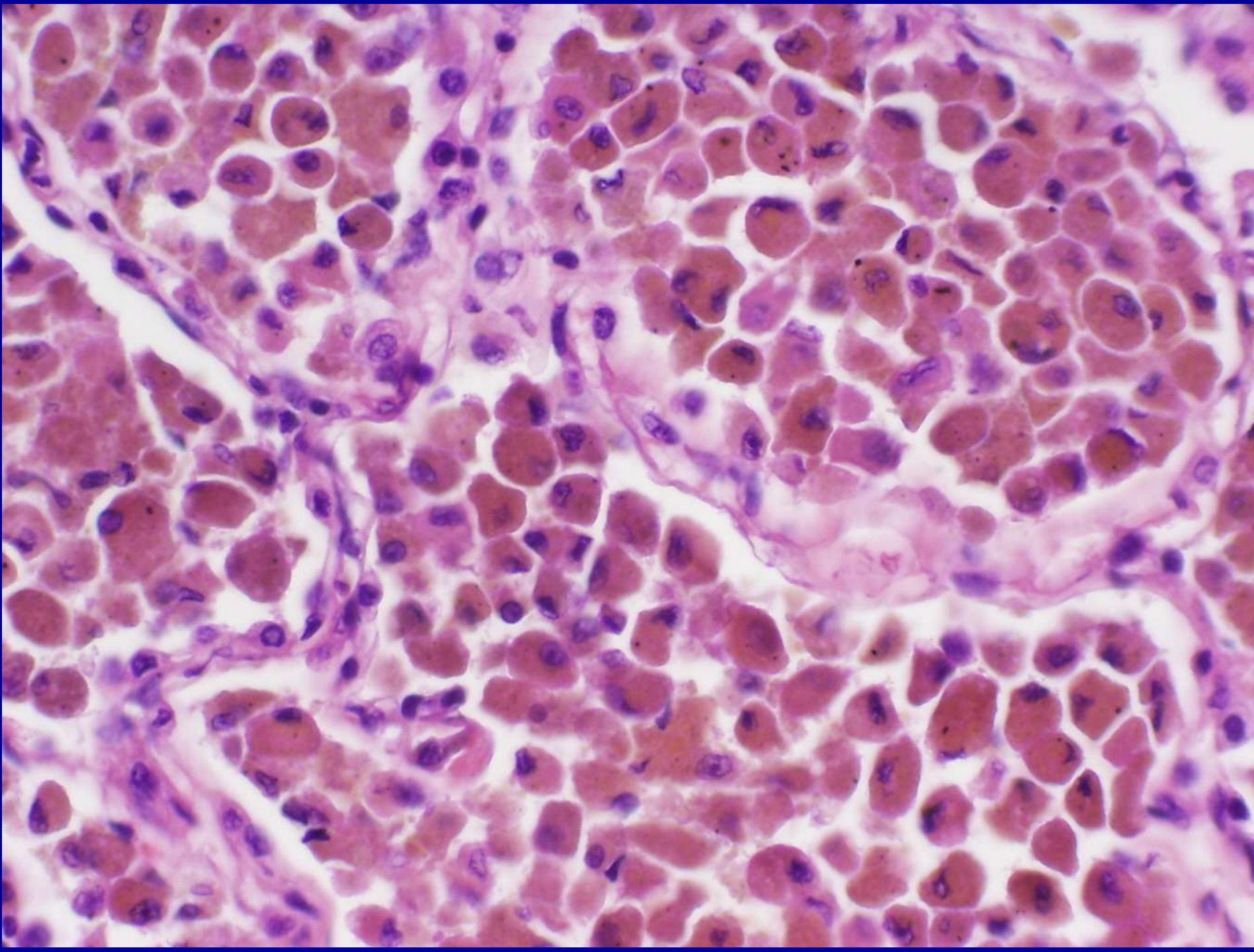
Intraalveolar

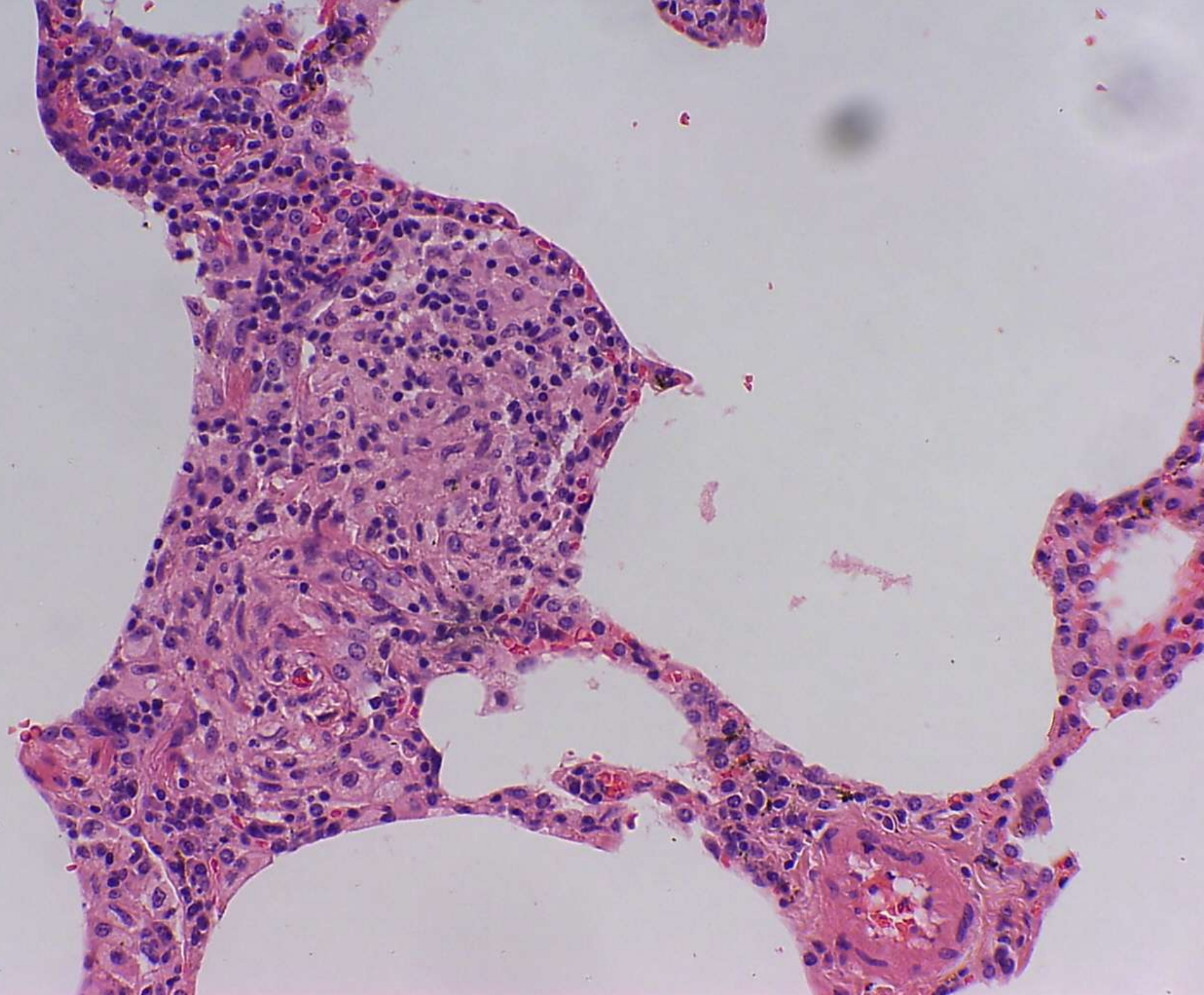
Interstitial

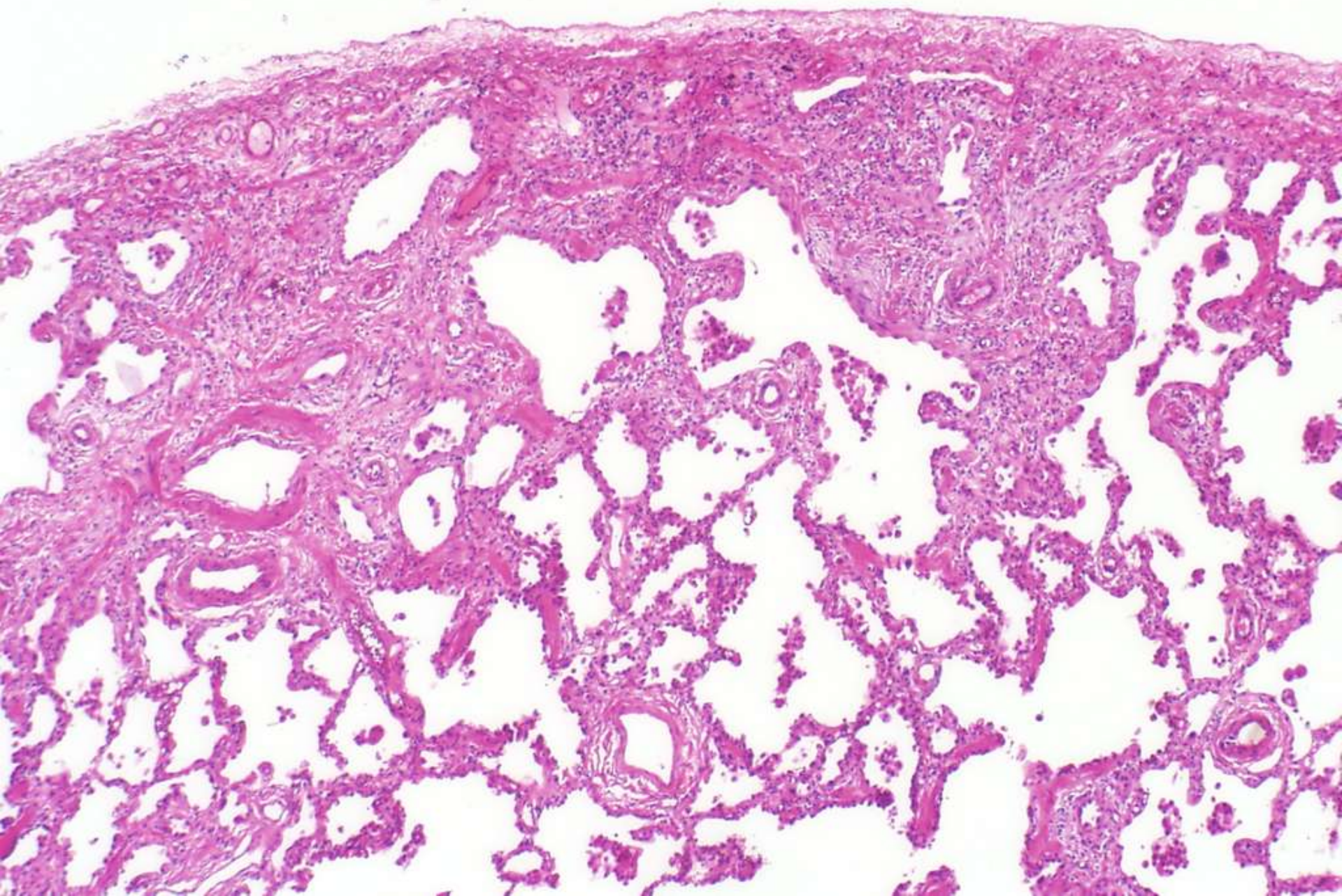
Pleural/subpleural











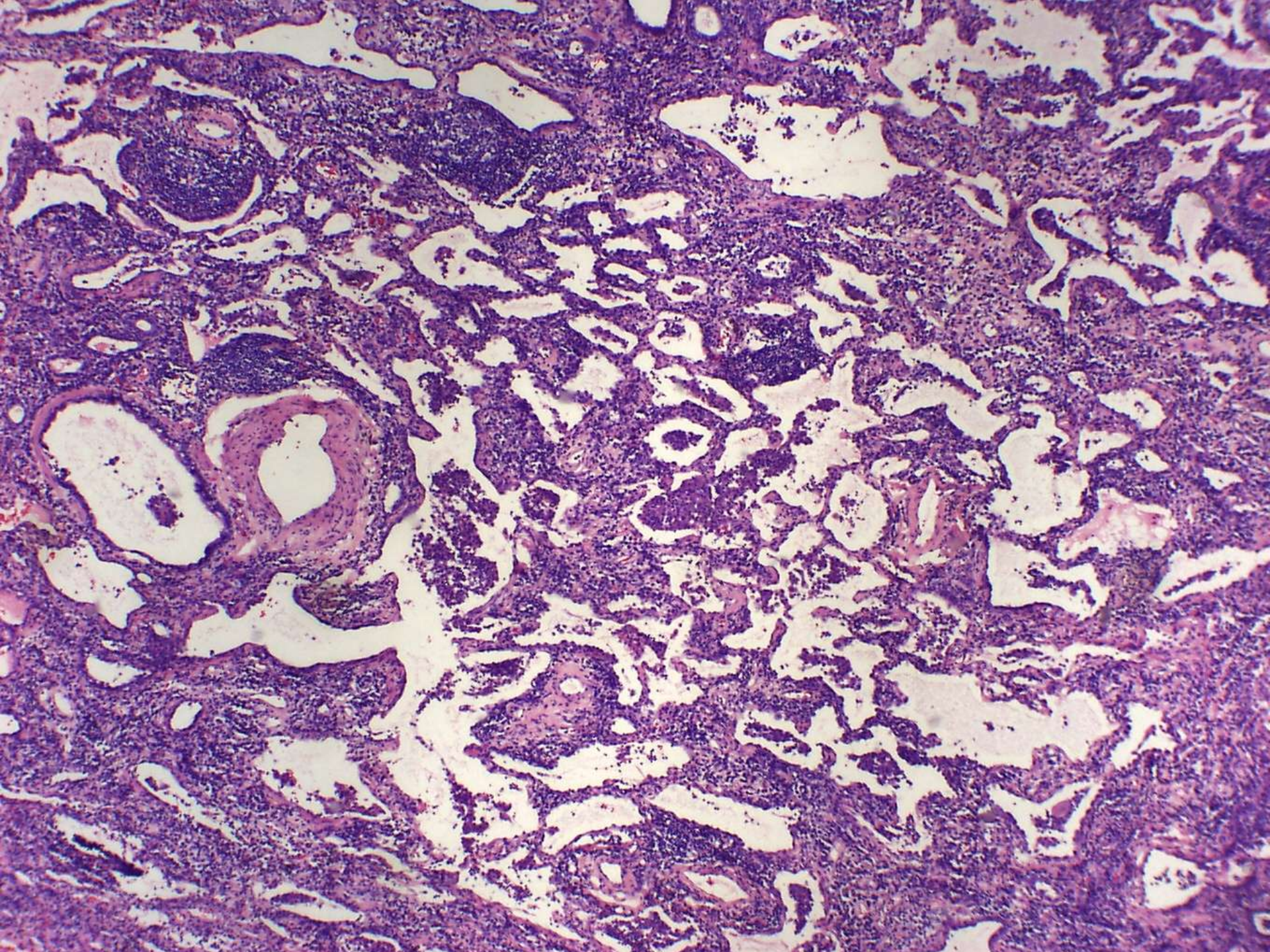
How much

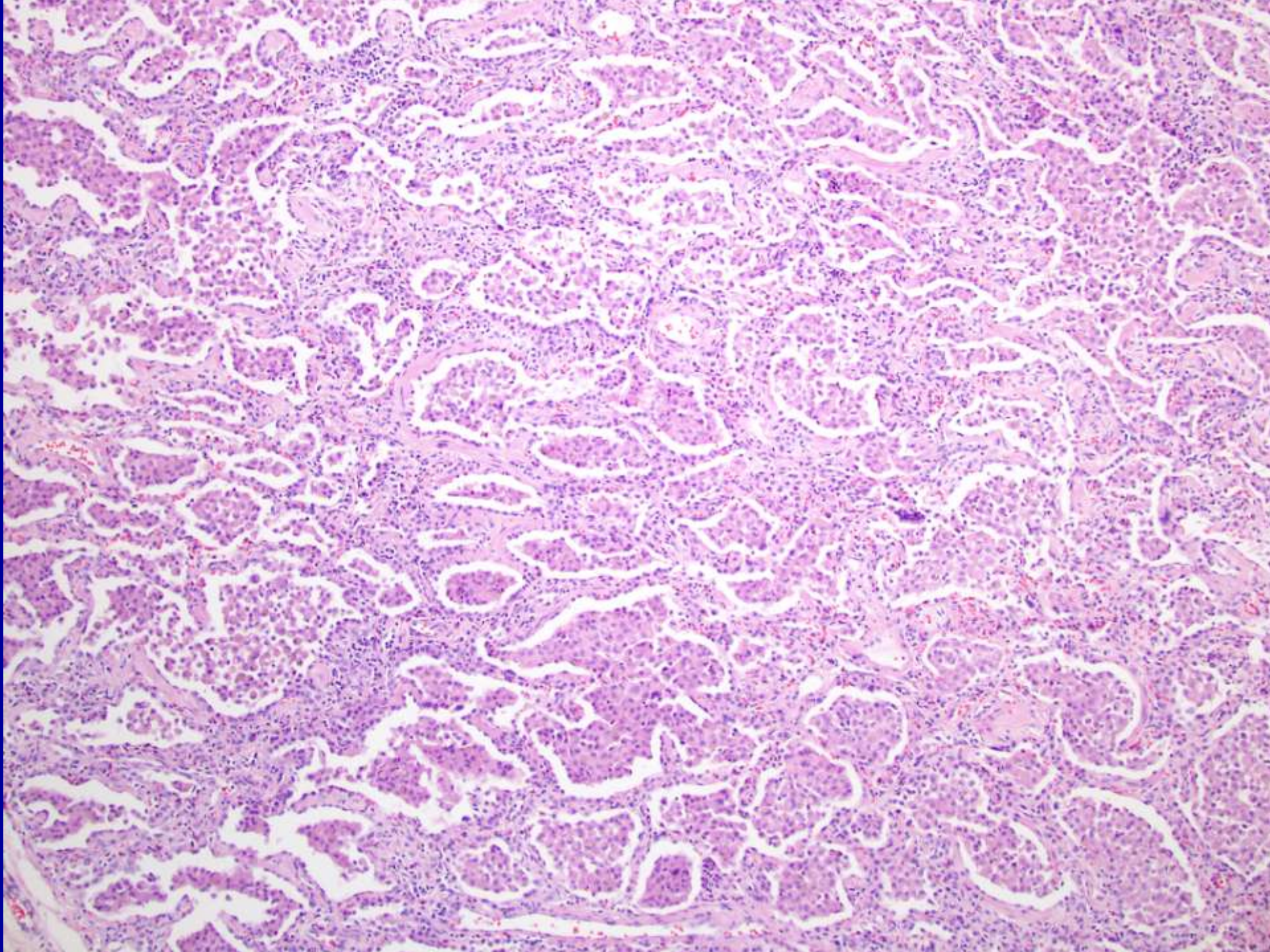
- Quantity of inflammatory cells:

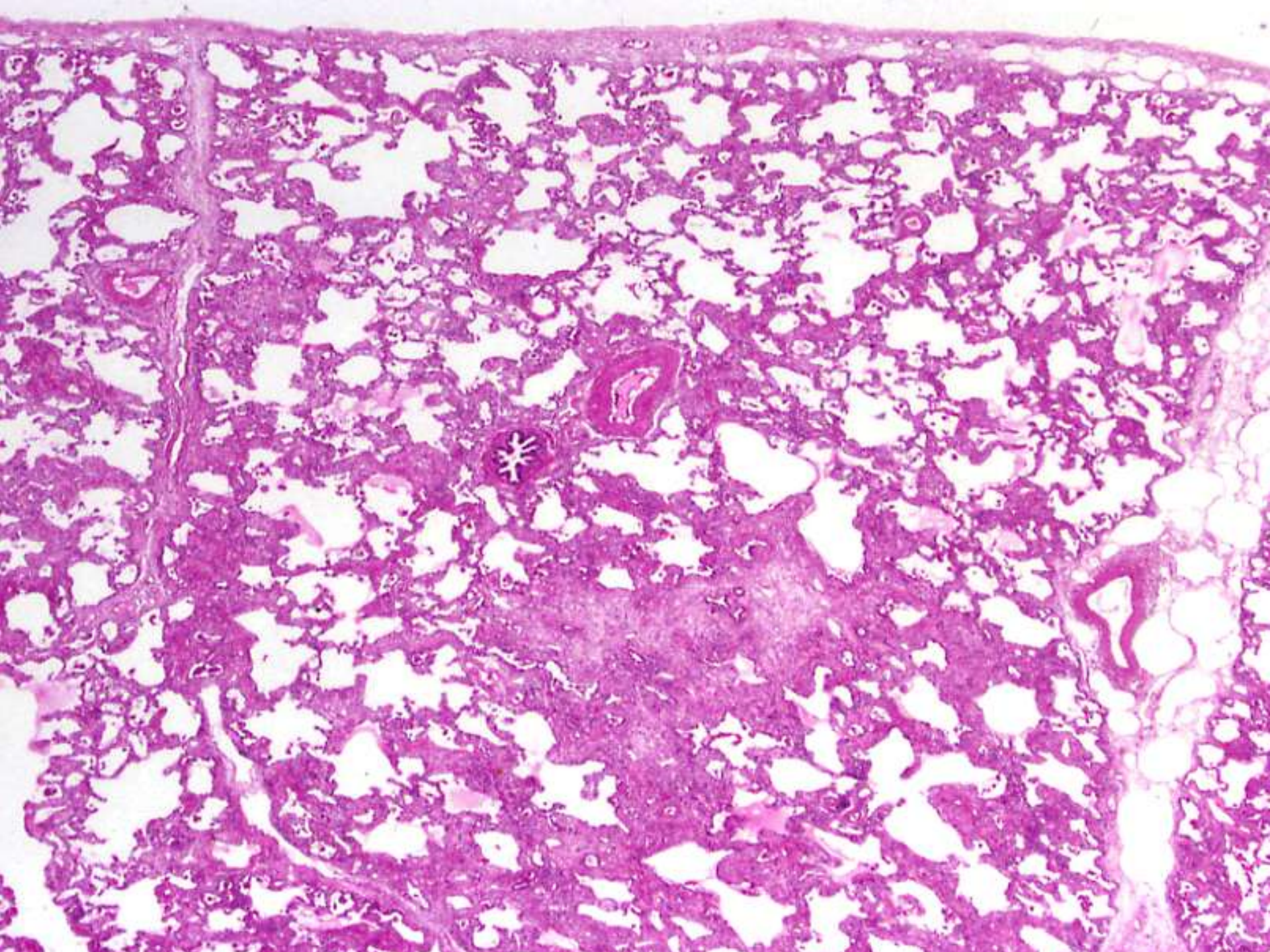
Prominent picture

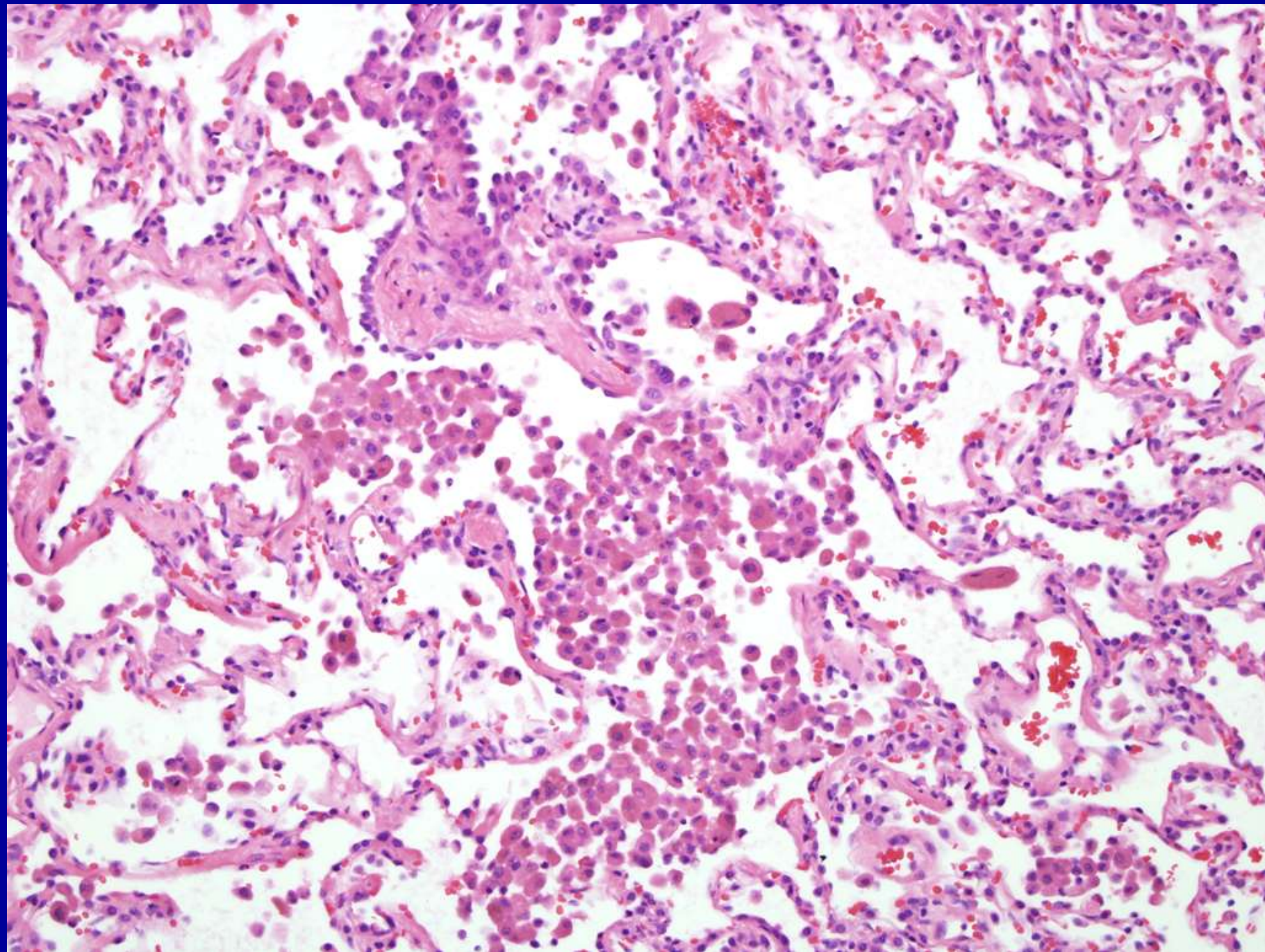
Part of the Picture

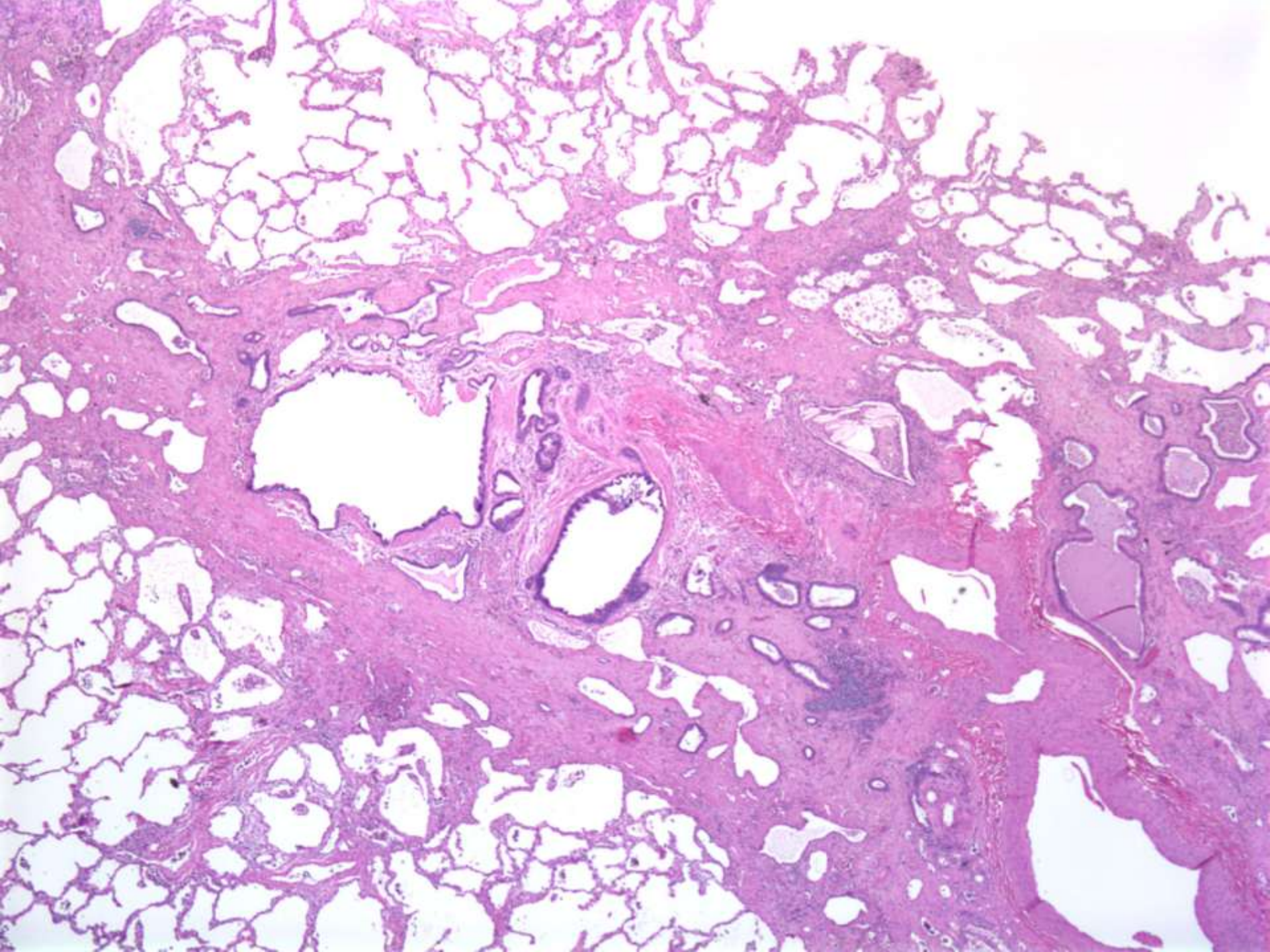
Discrete changes

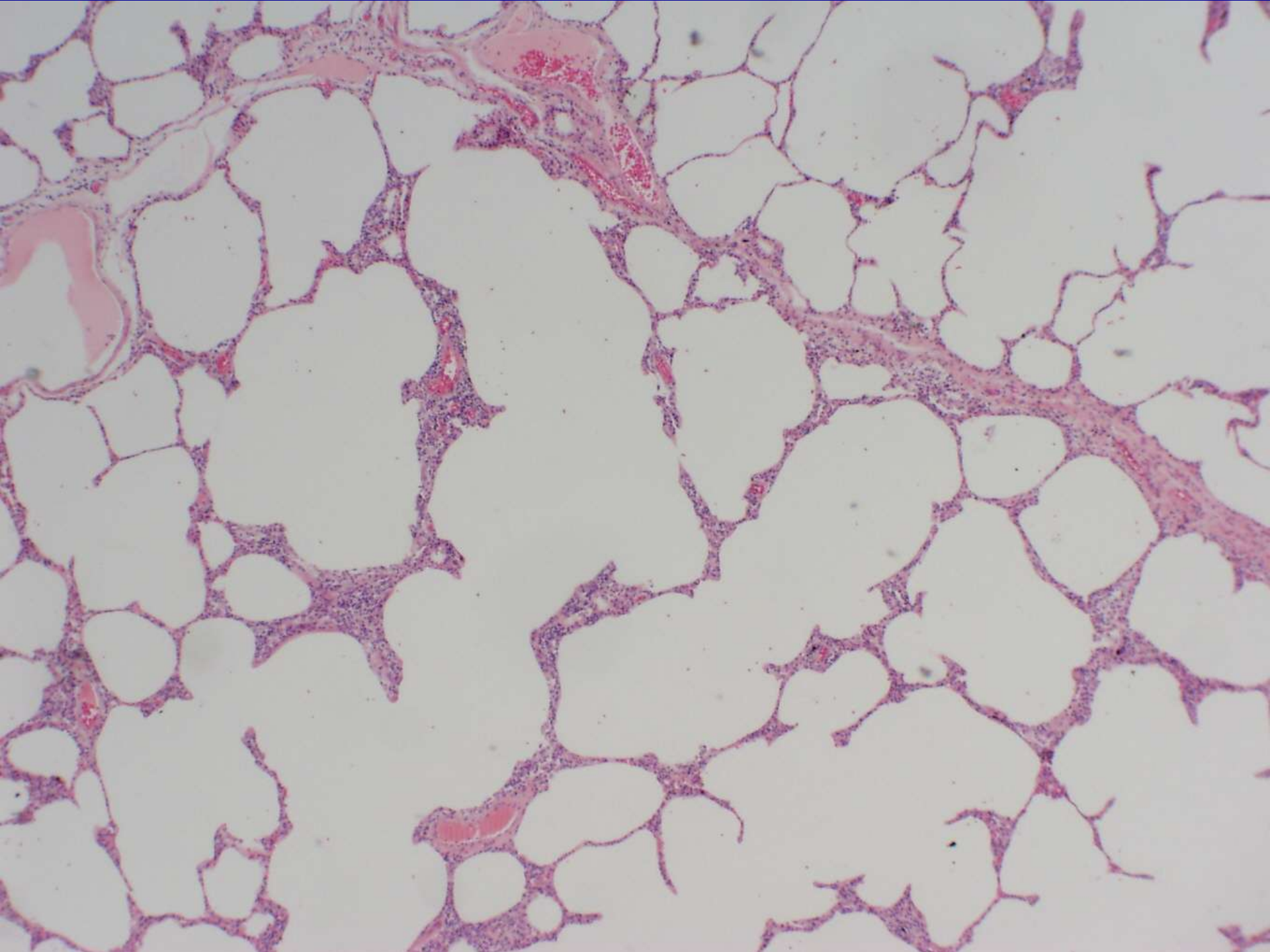












Which

- Quality of inflammatory cells:

Lymphocytes

Plasmocytes

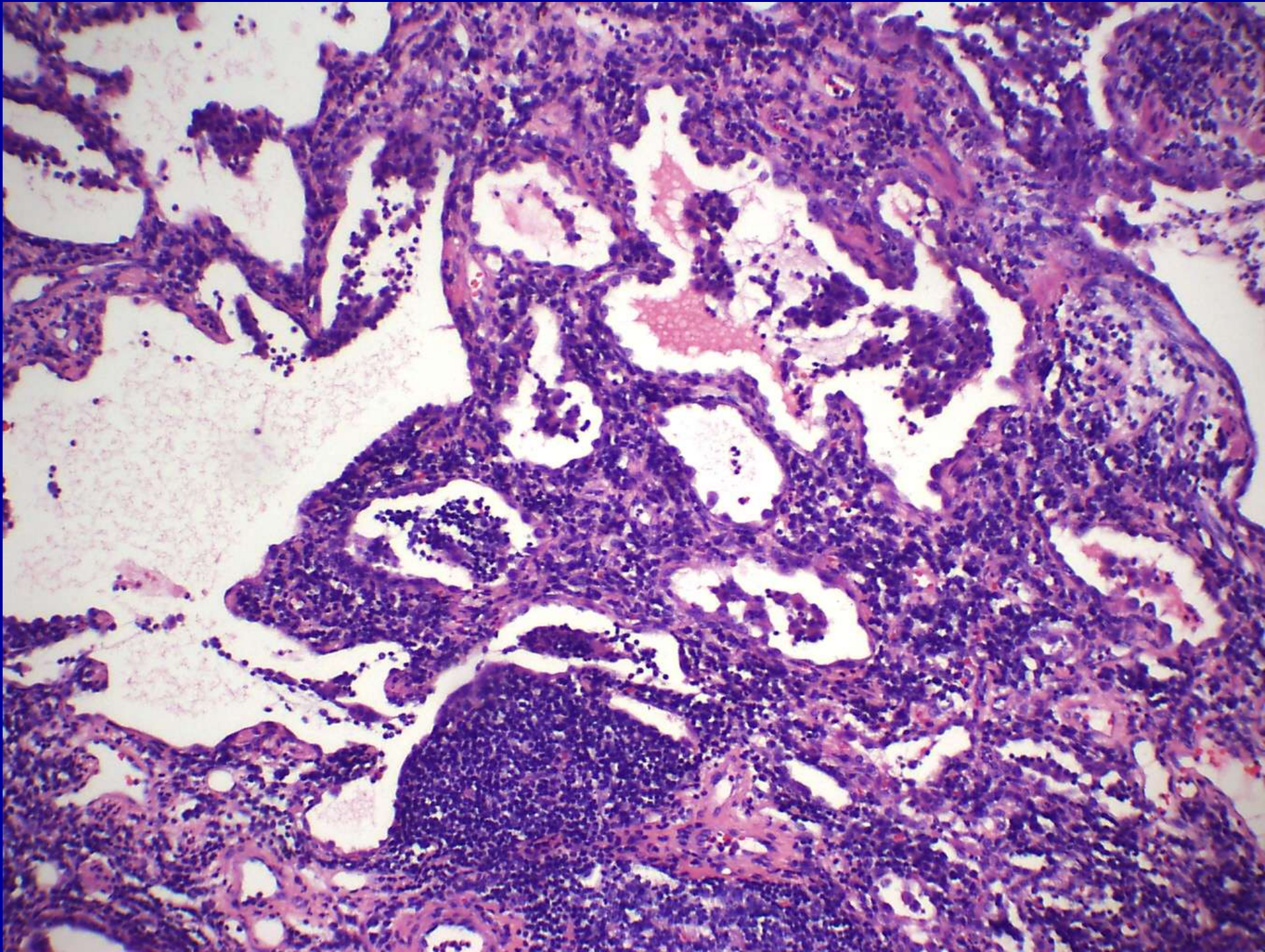
Neutrophils

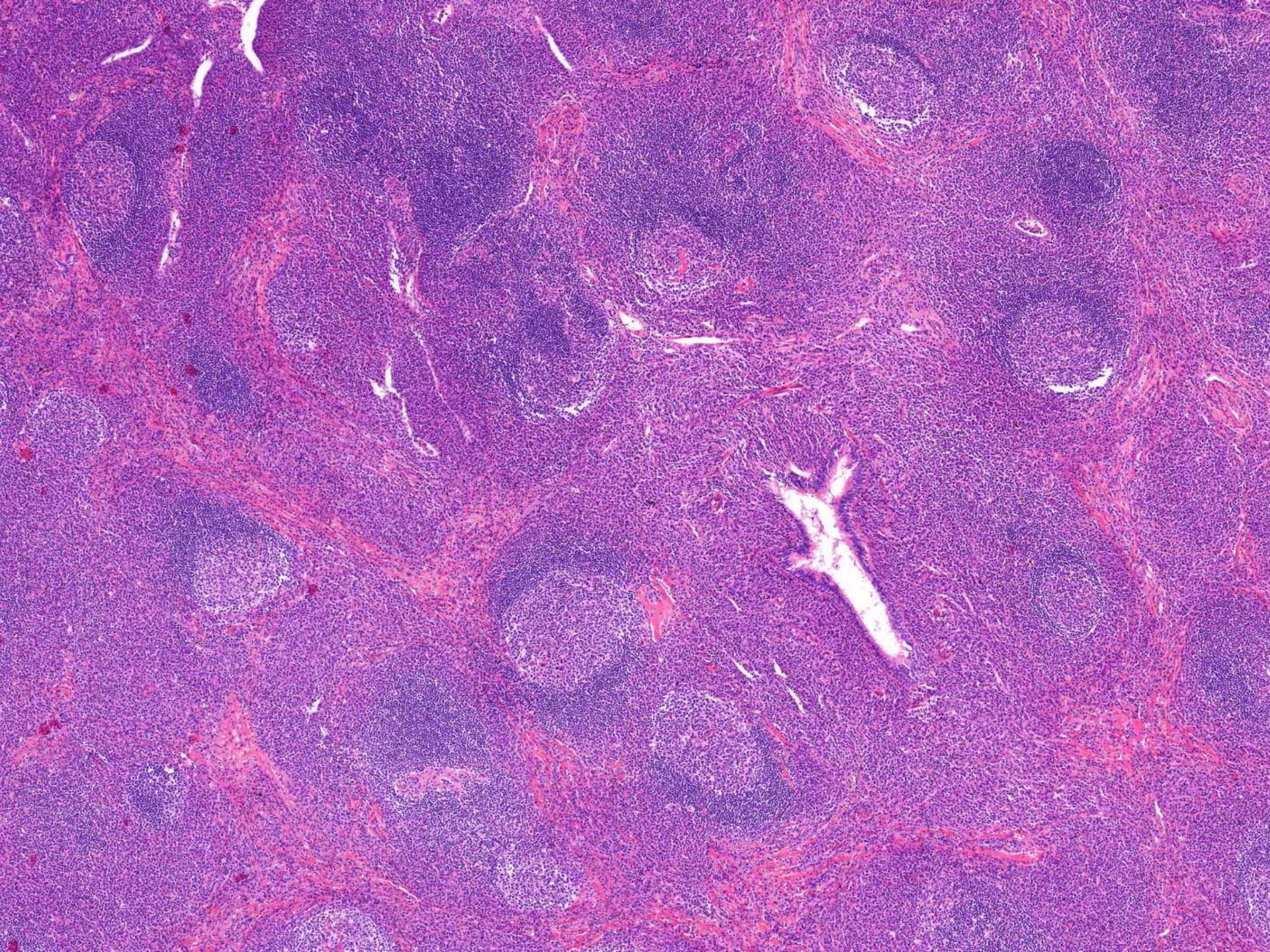
Eosinophils

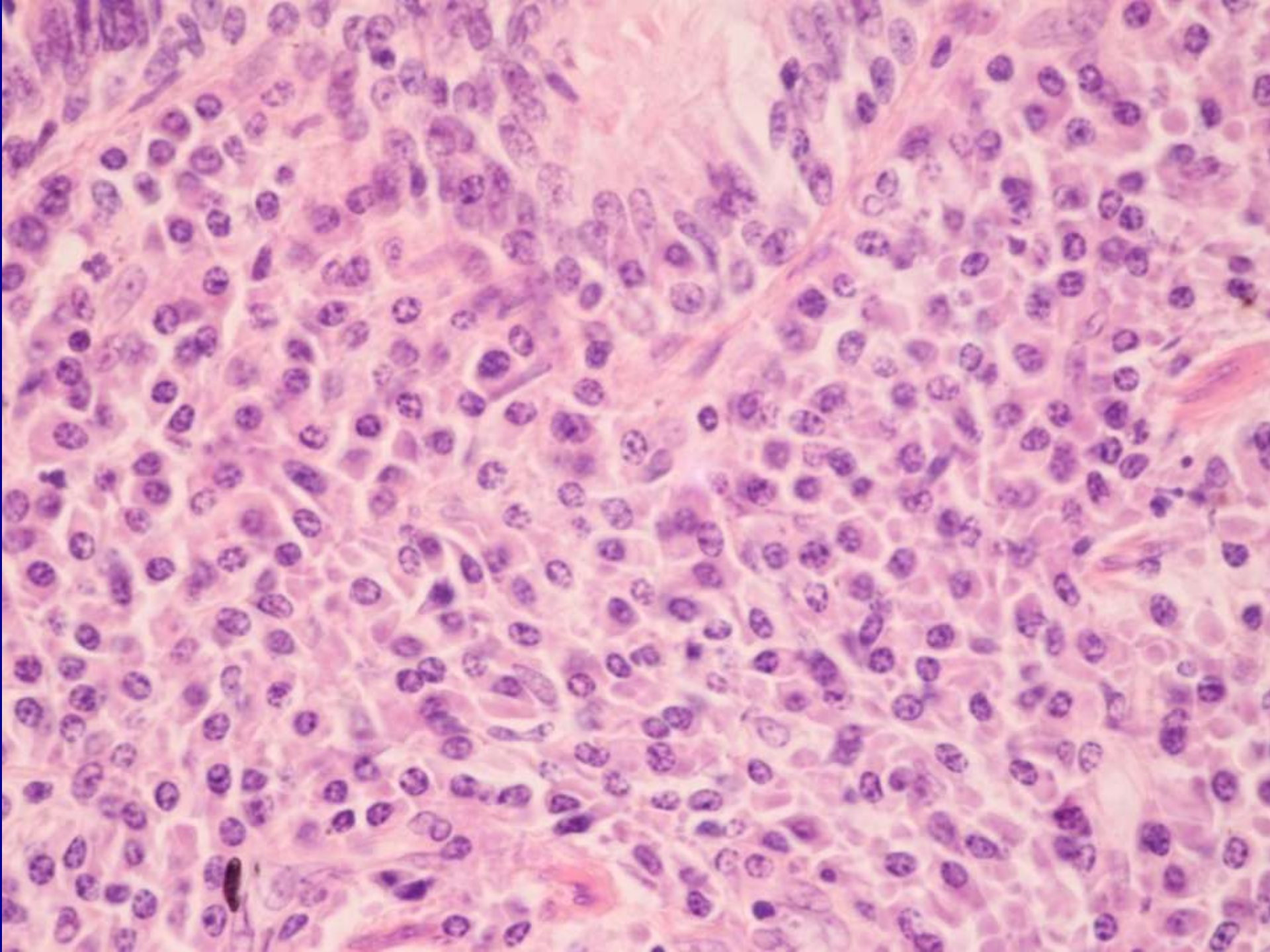
Macrophages/Giant cells

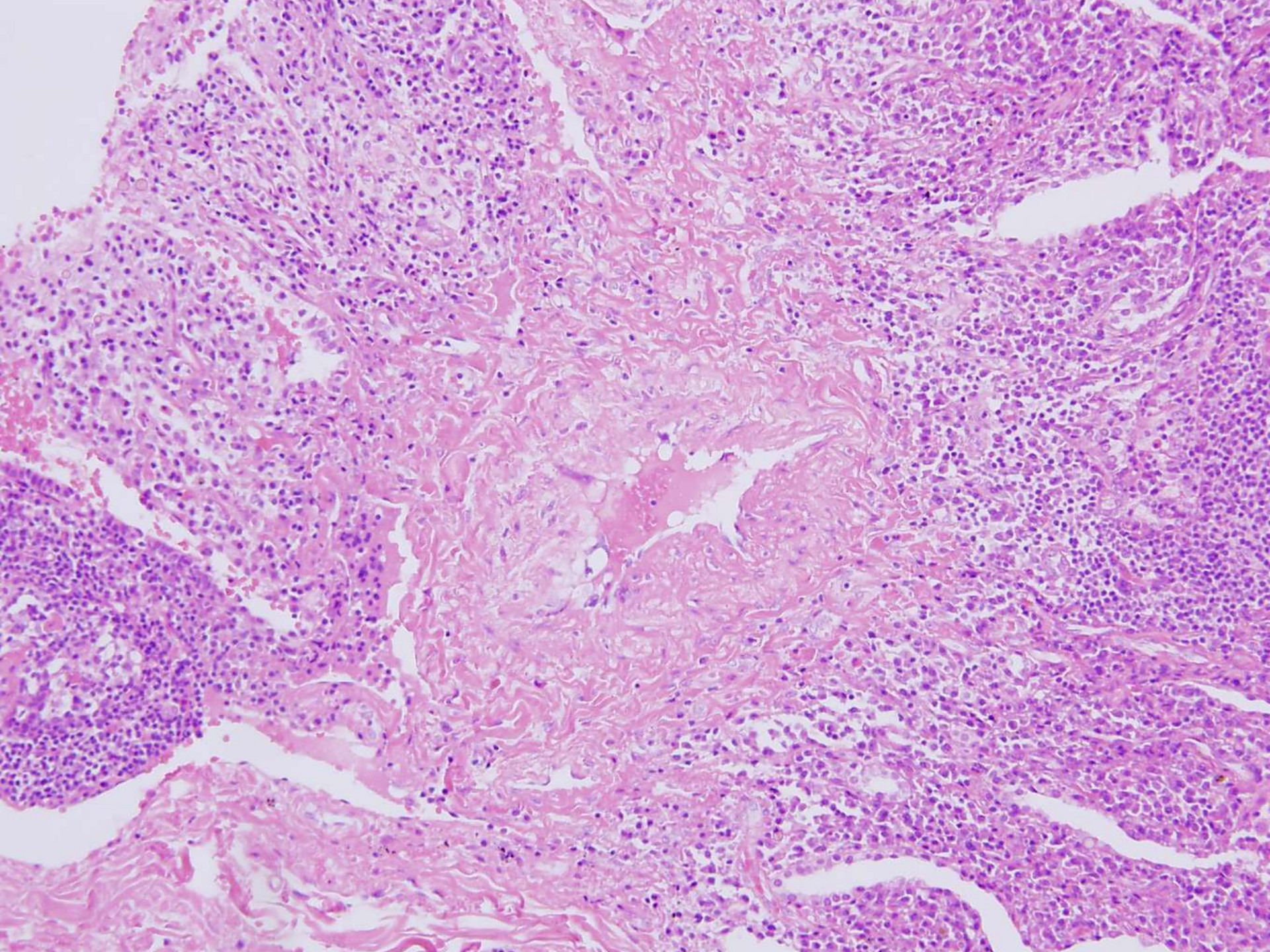
Granulomas

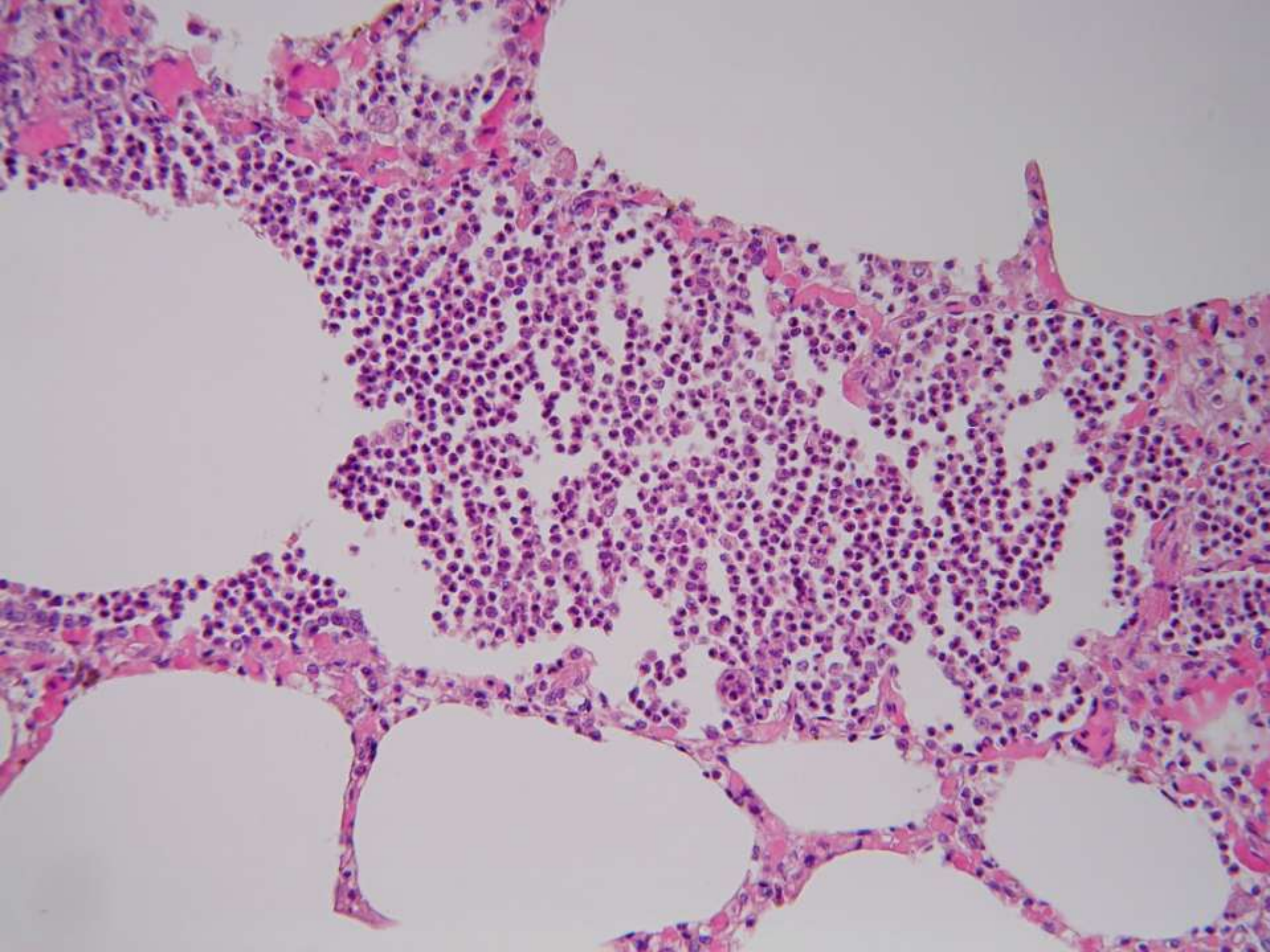
Langerhans cells

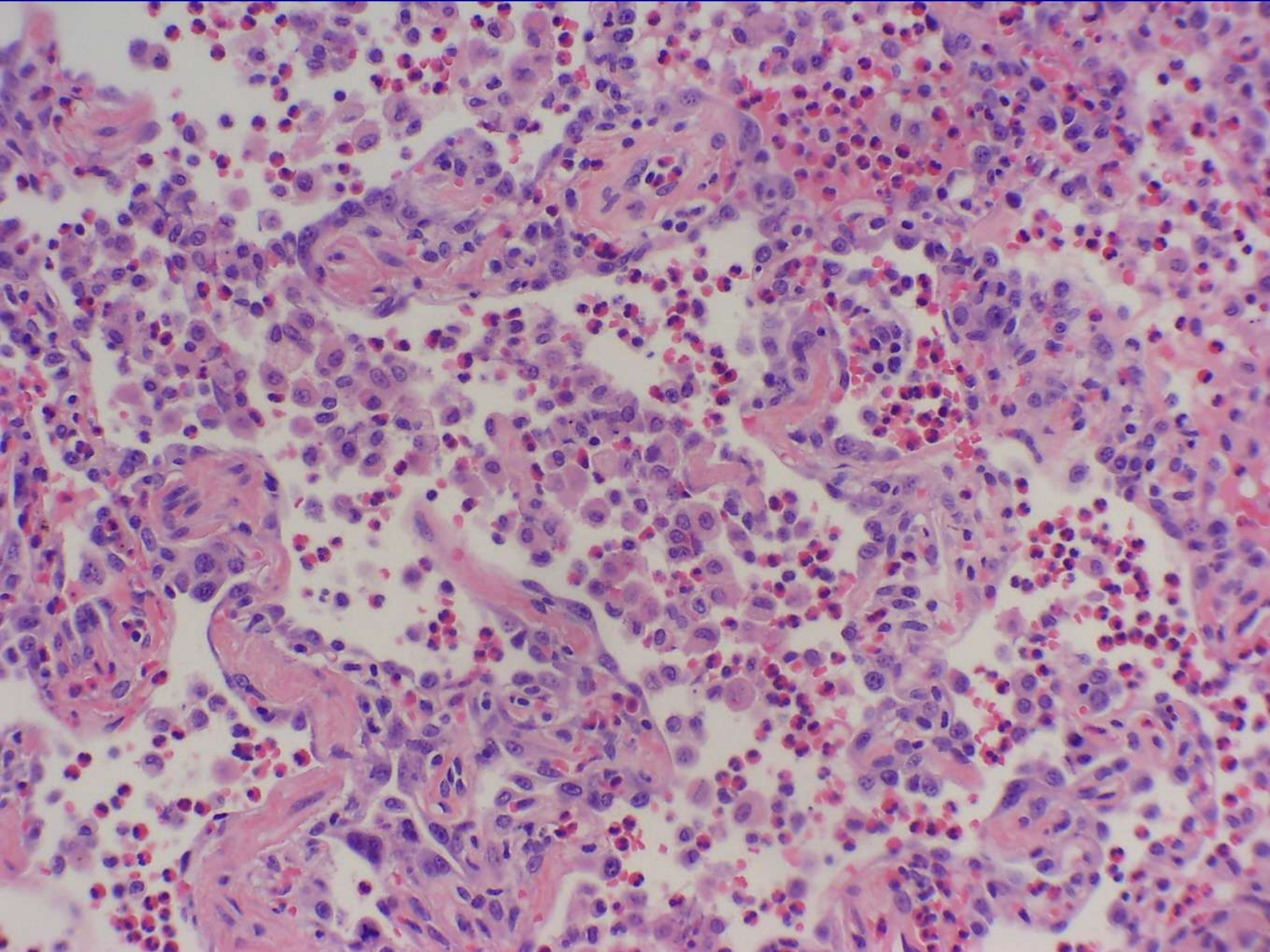


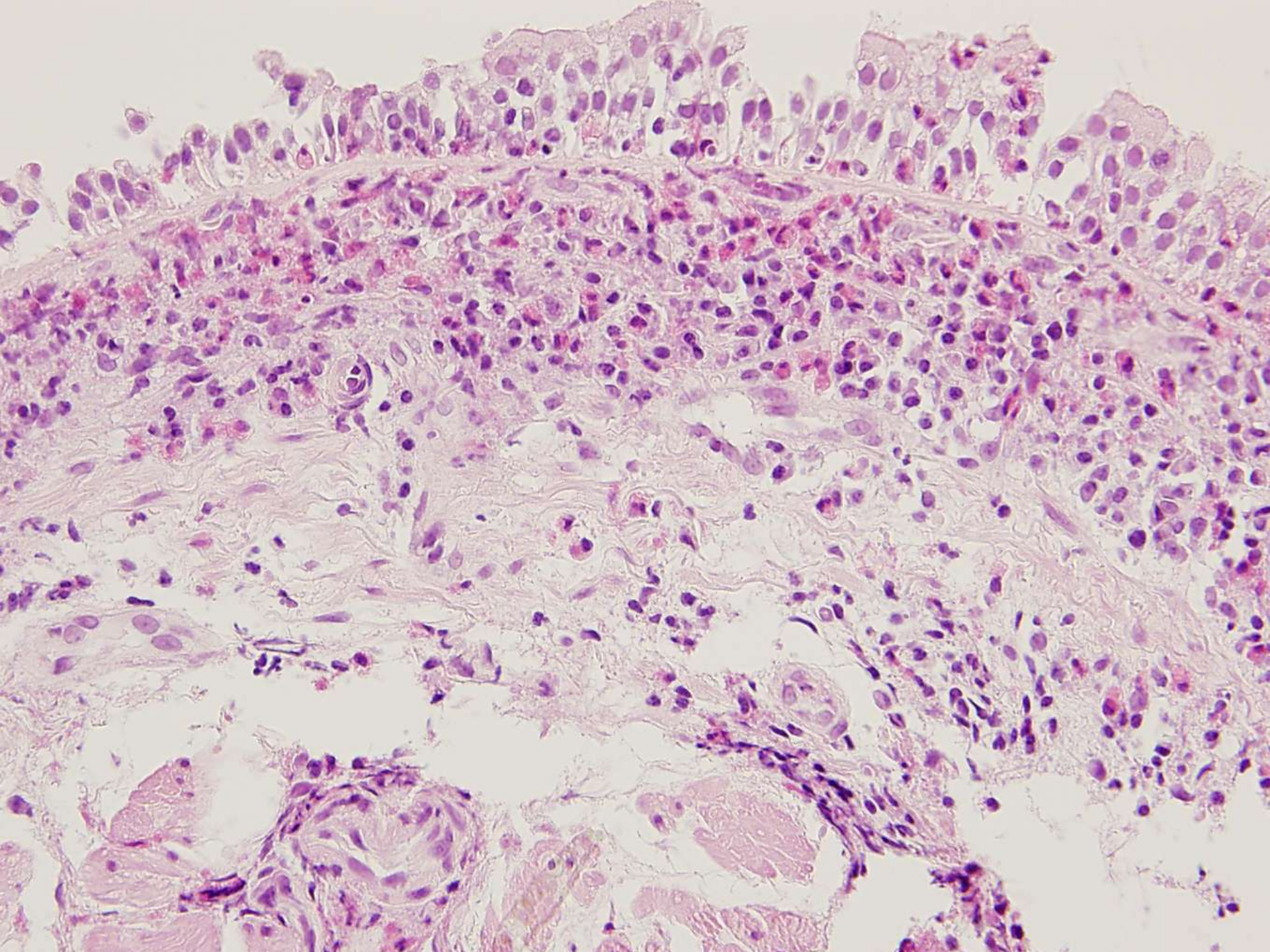


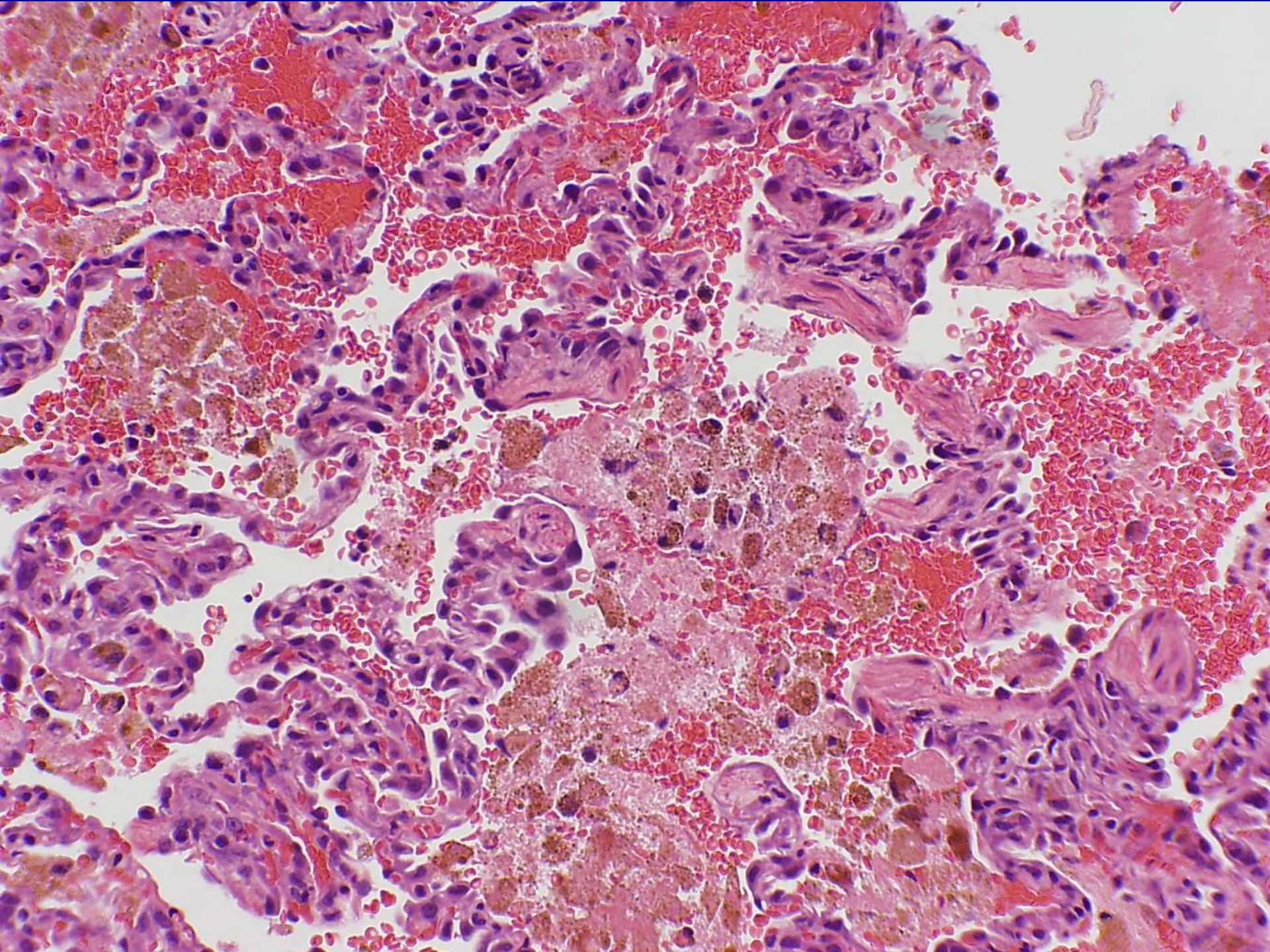


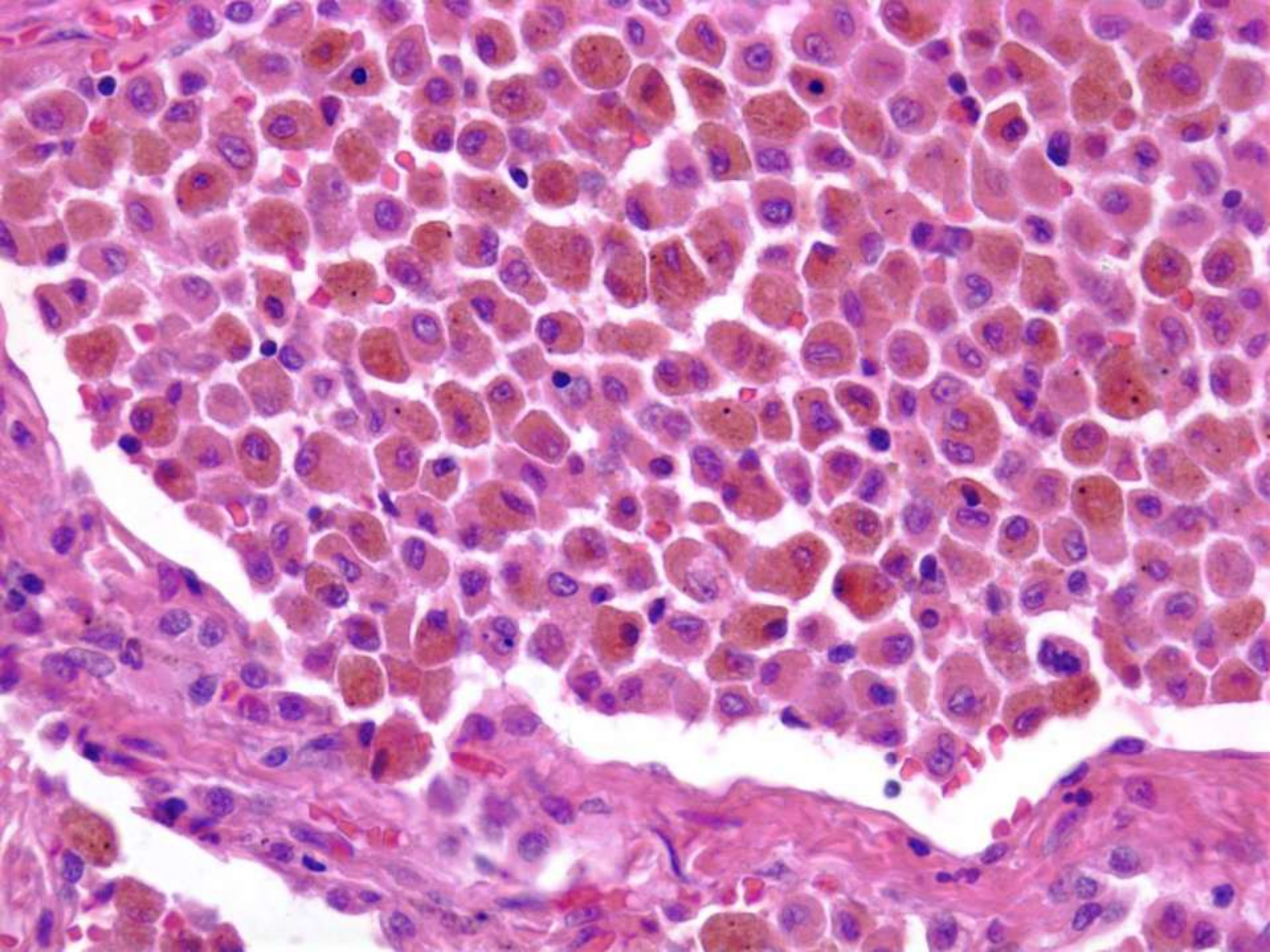


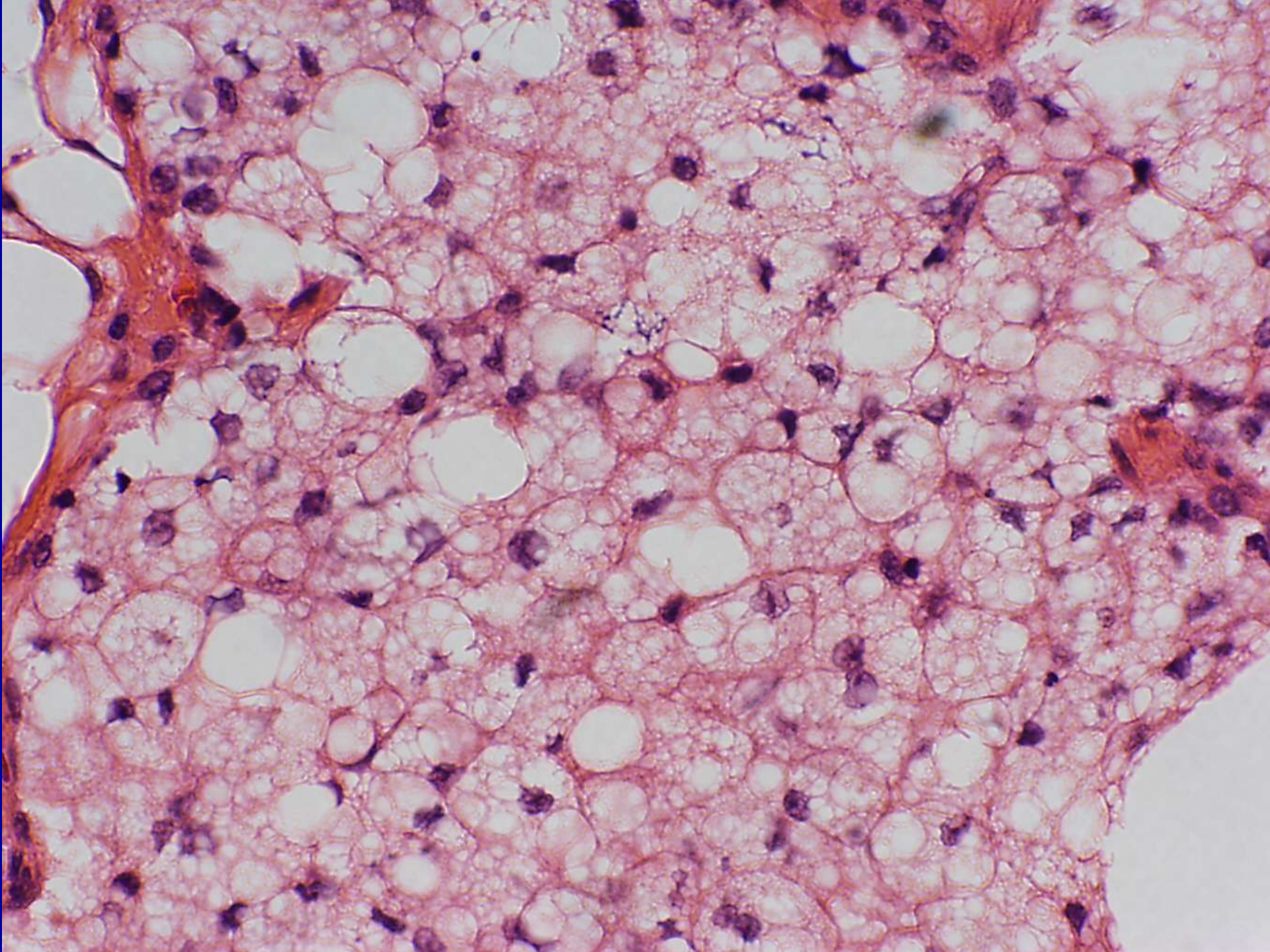


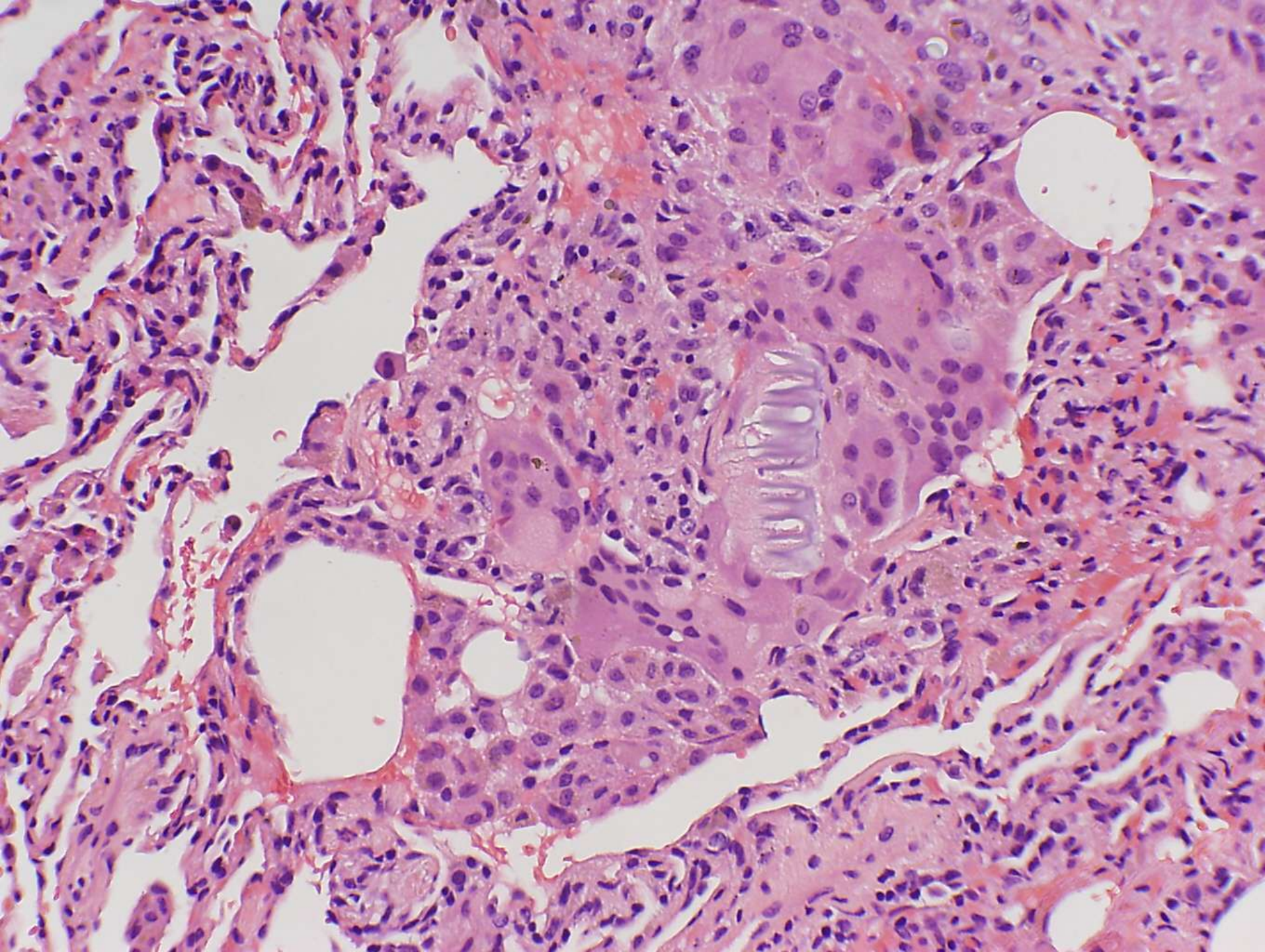


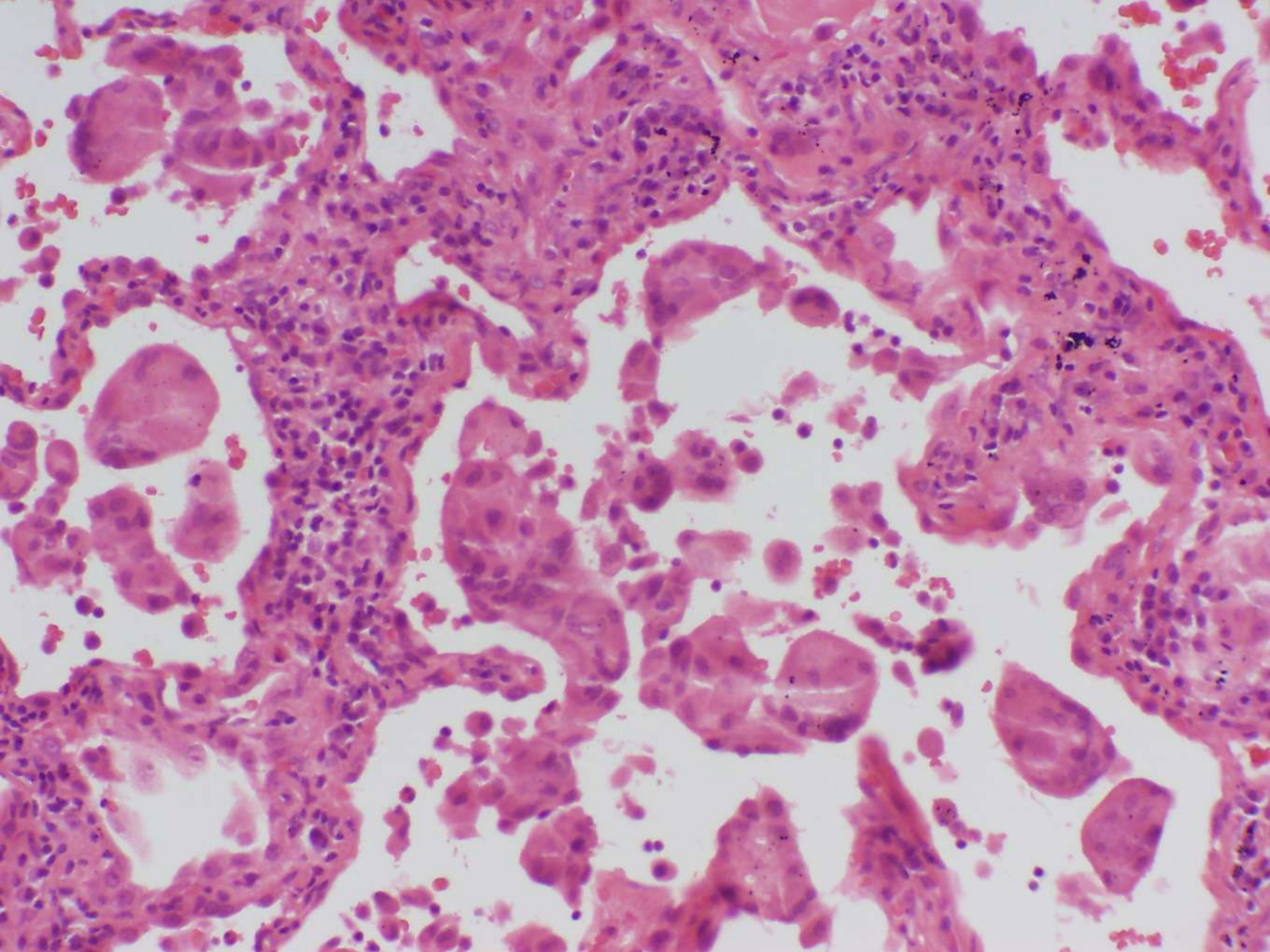


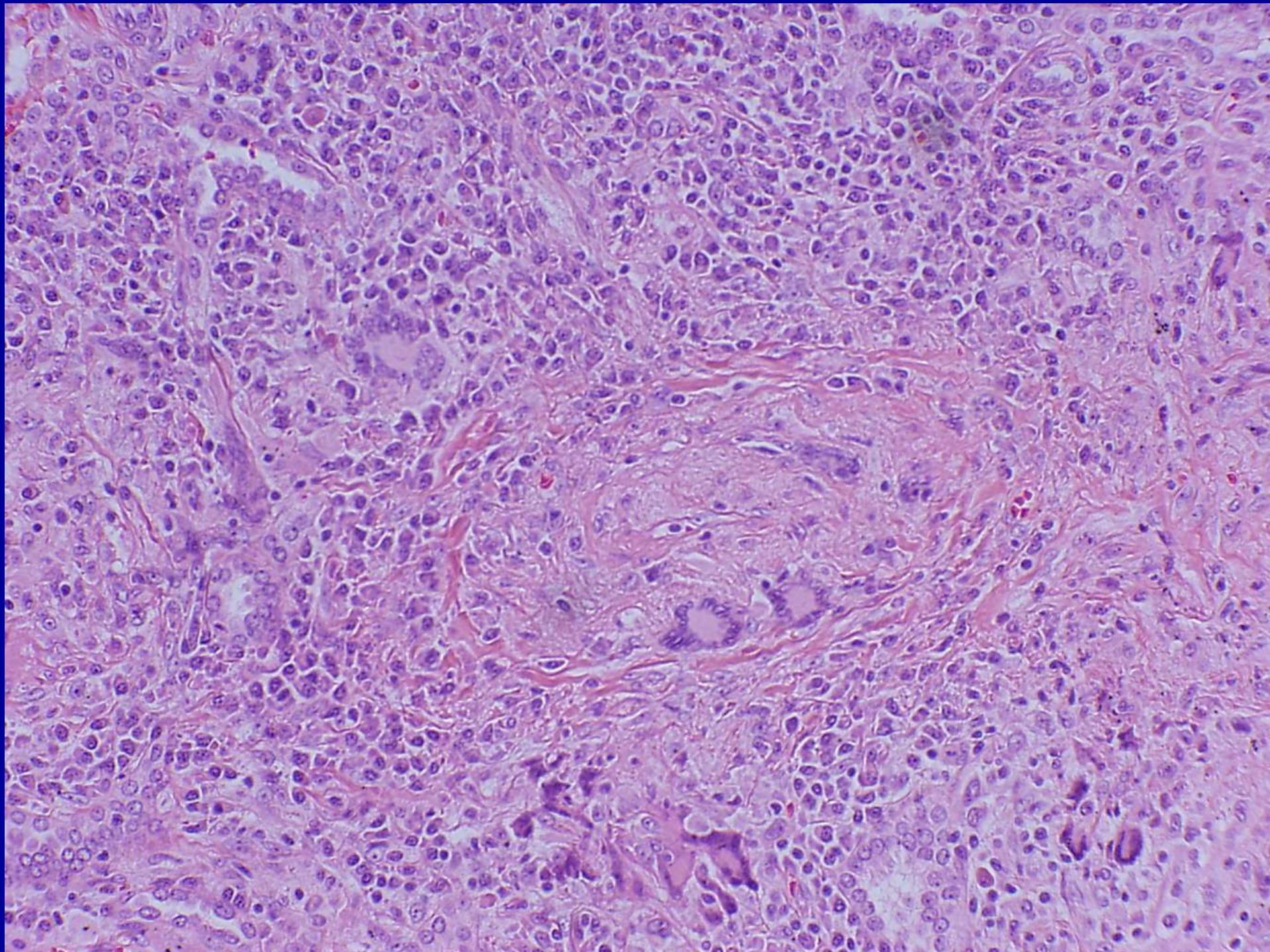


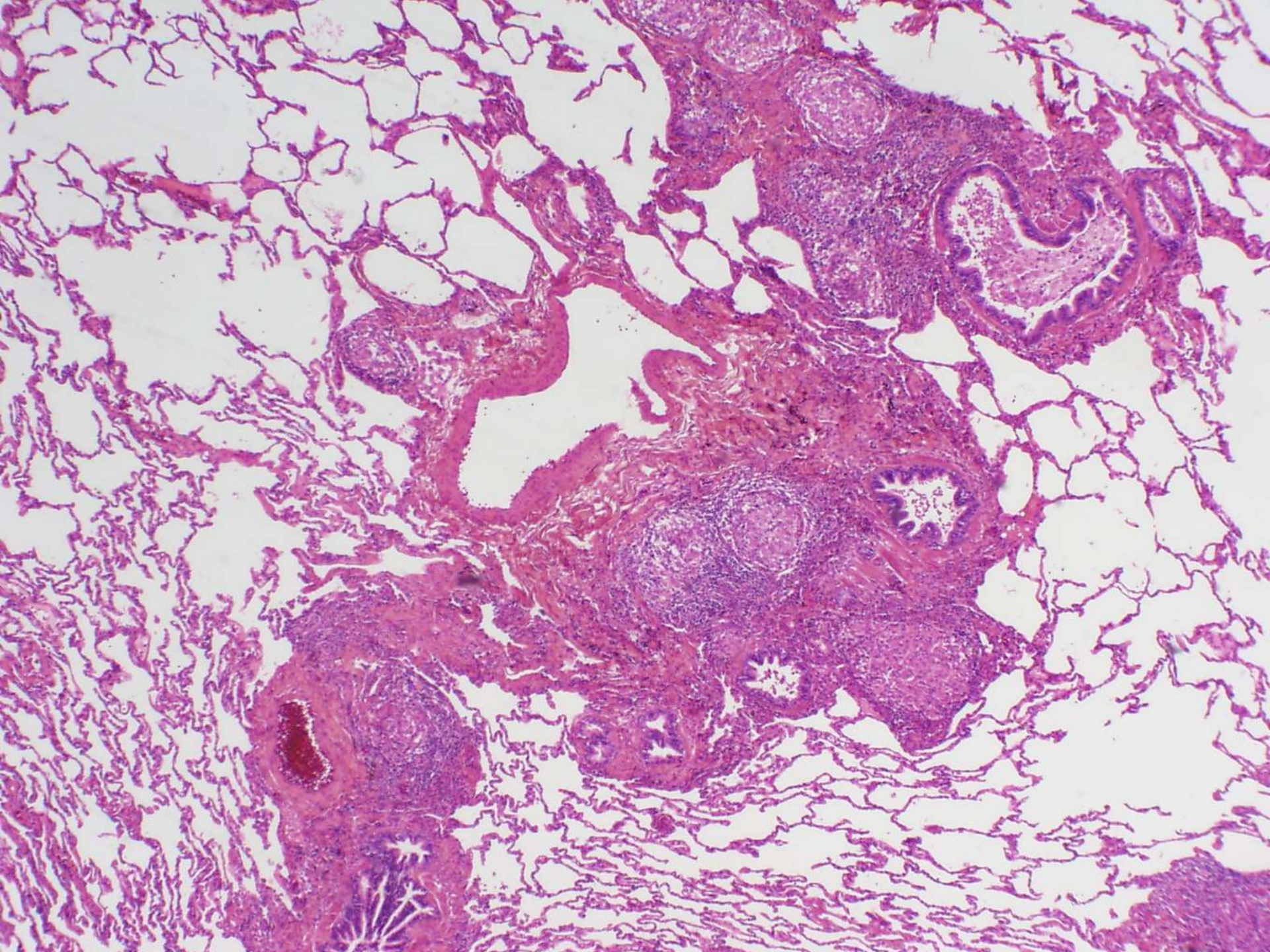


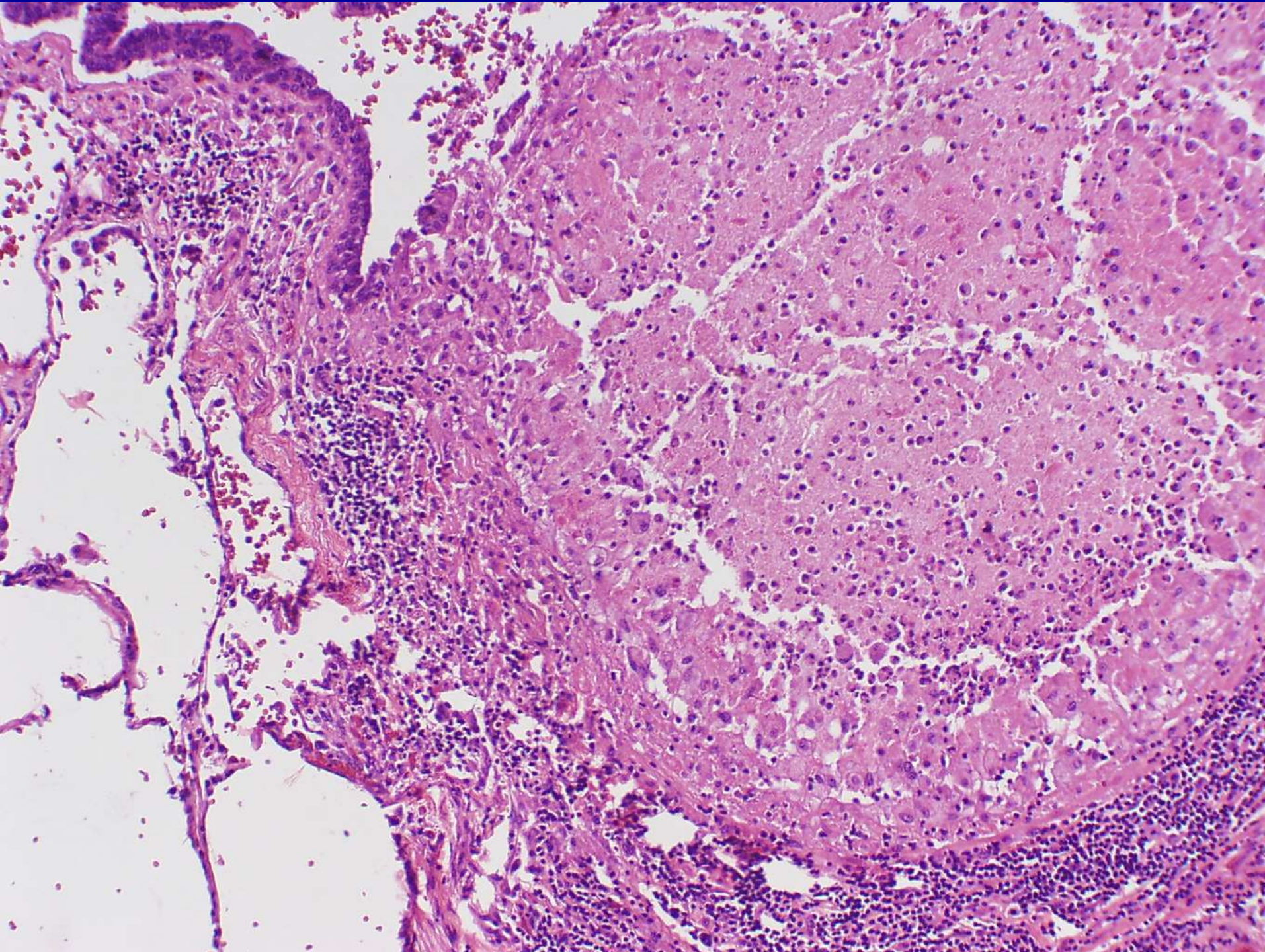


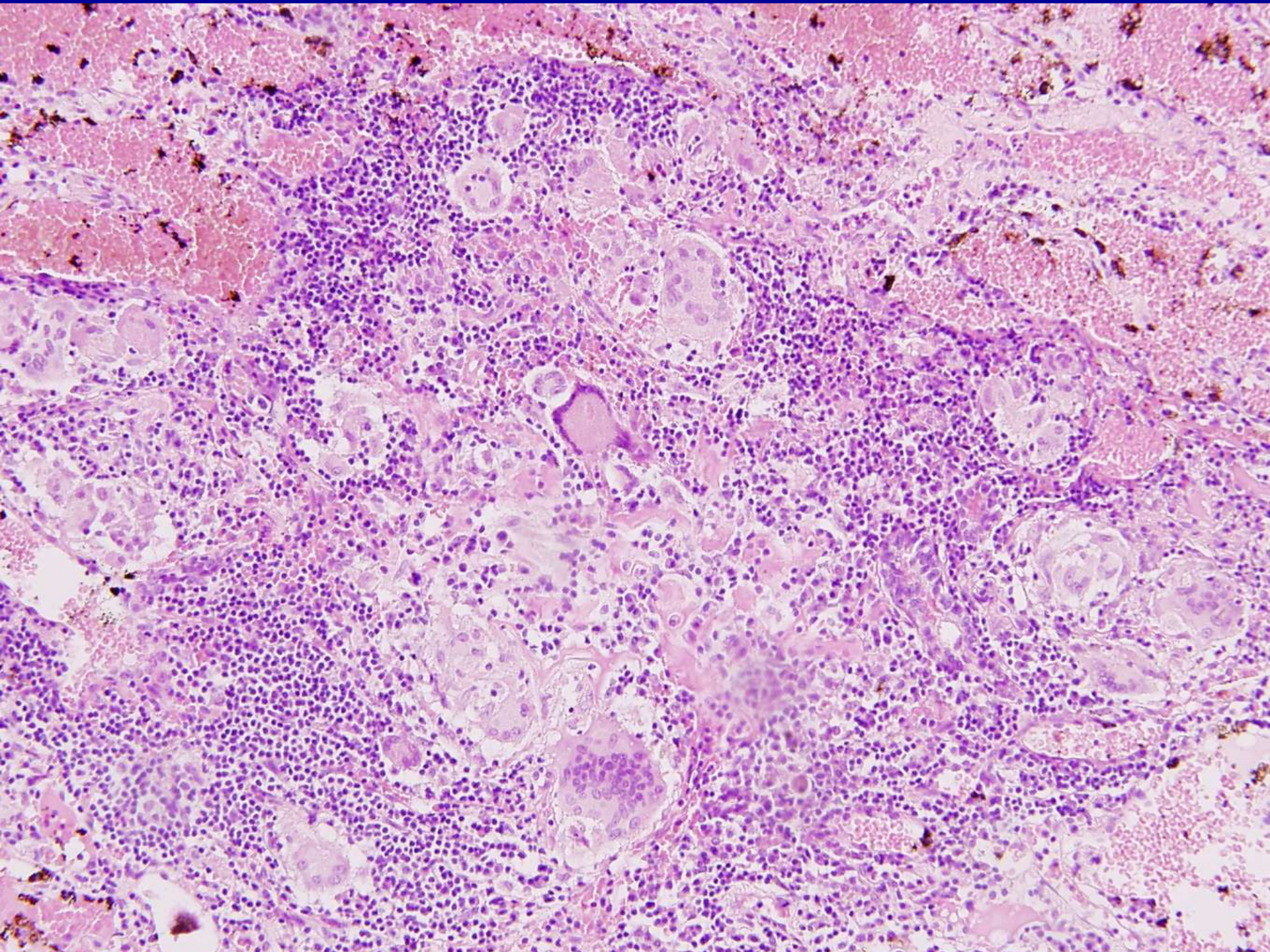


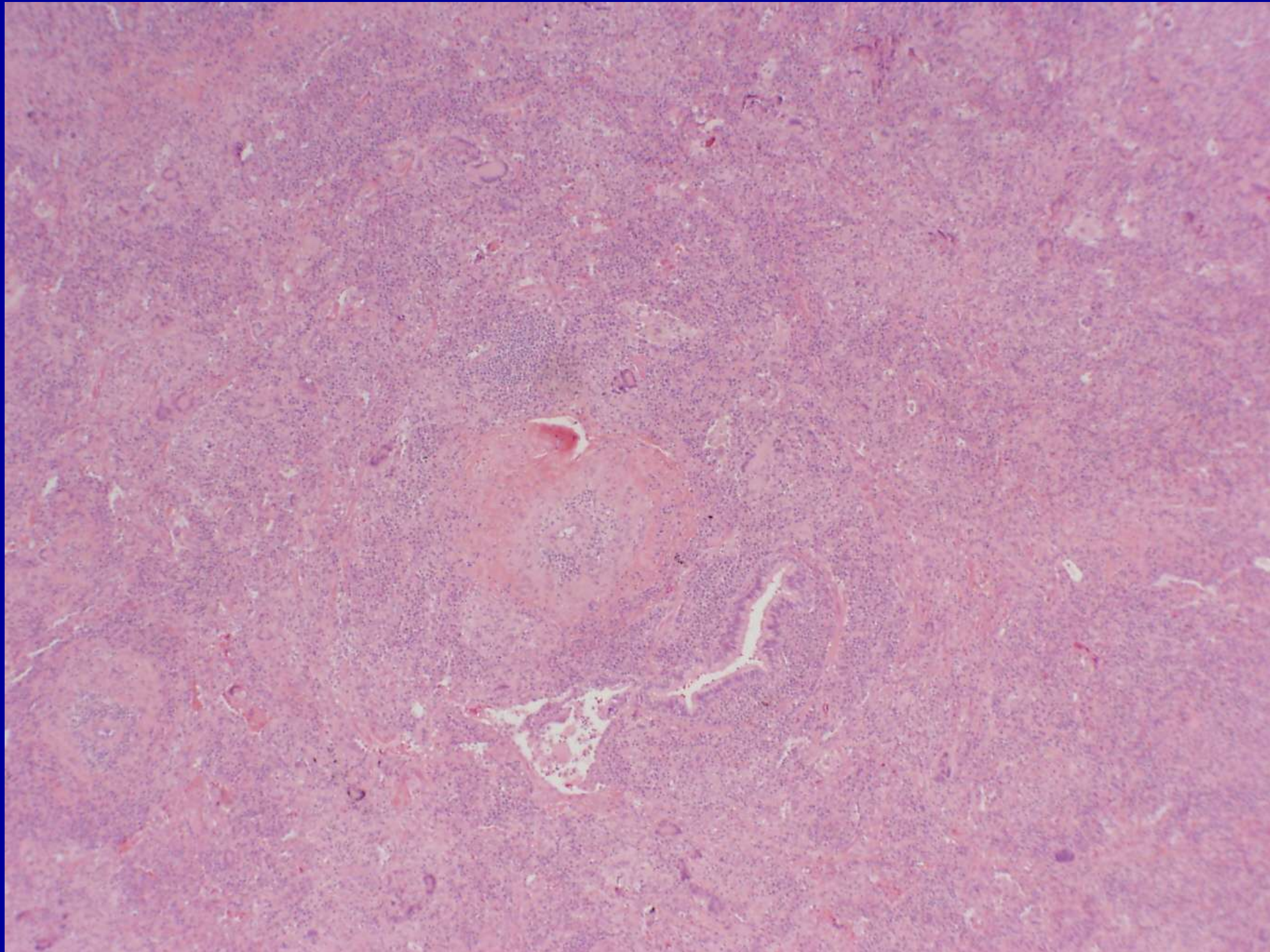


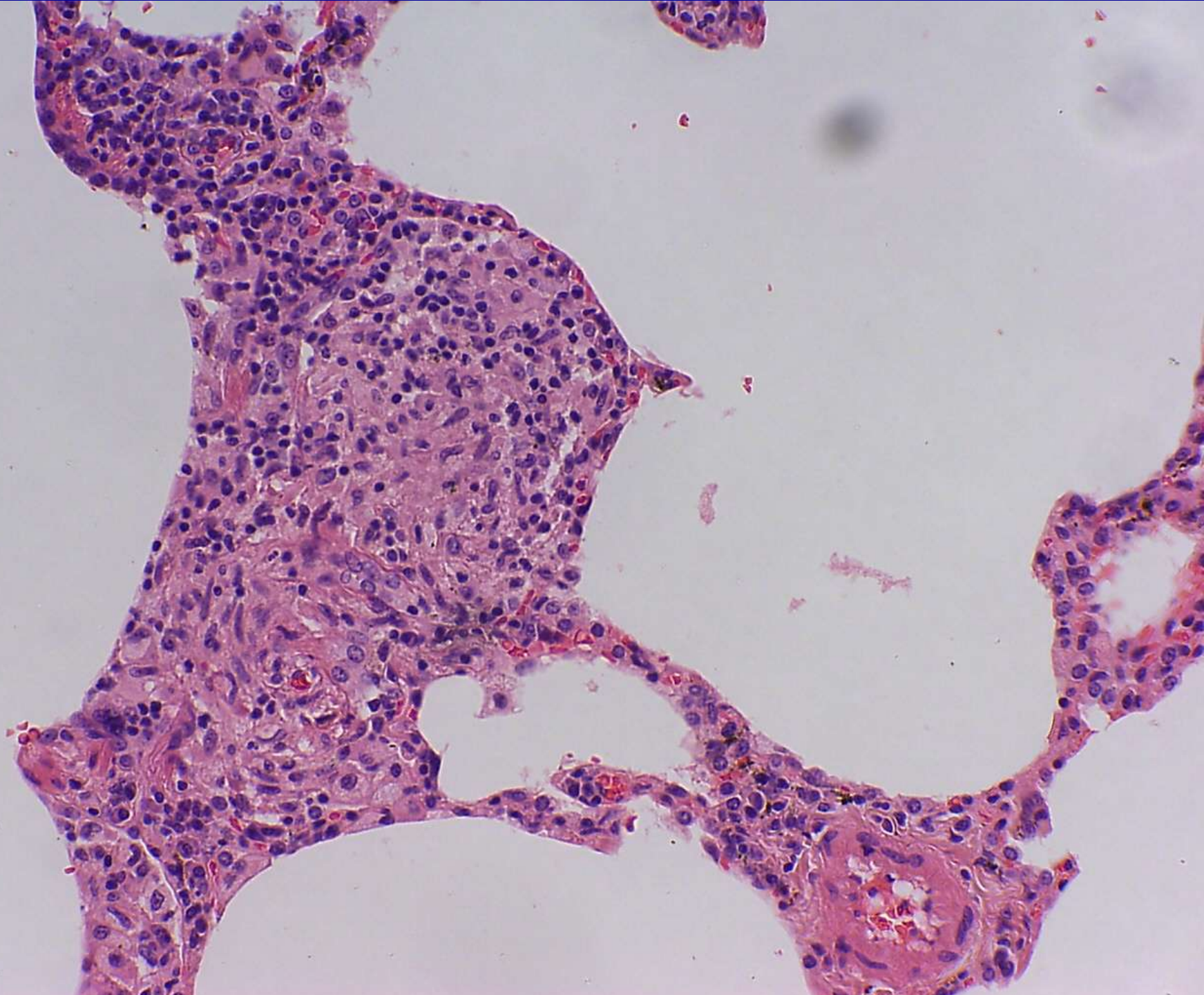


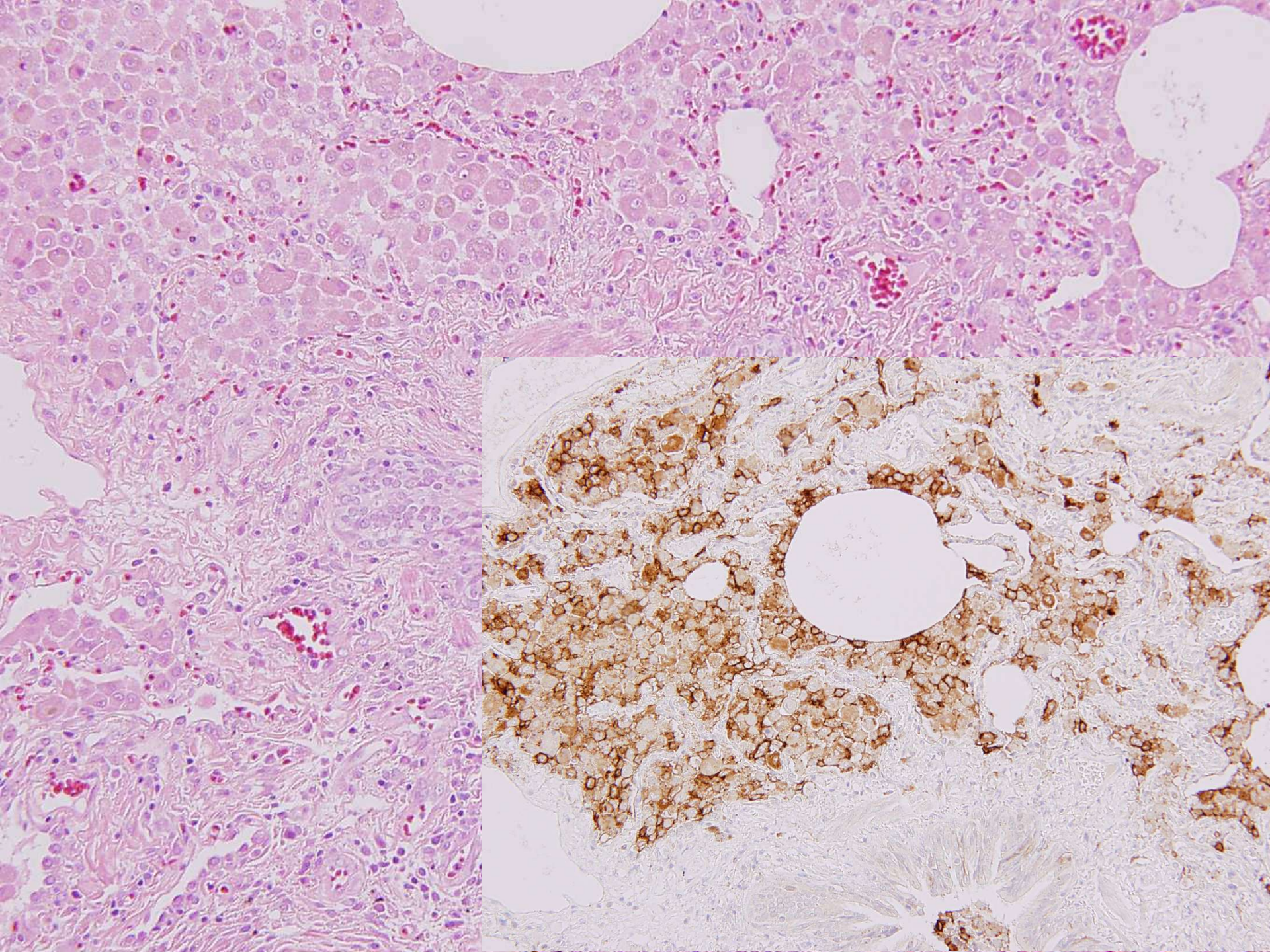










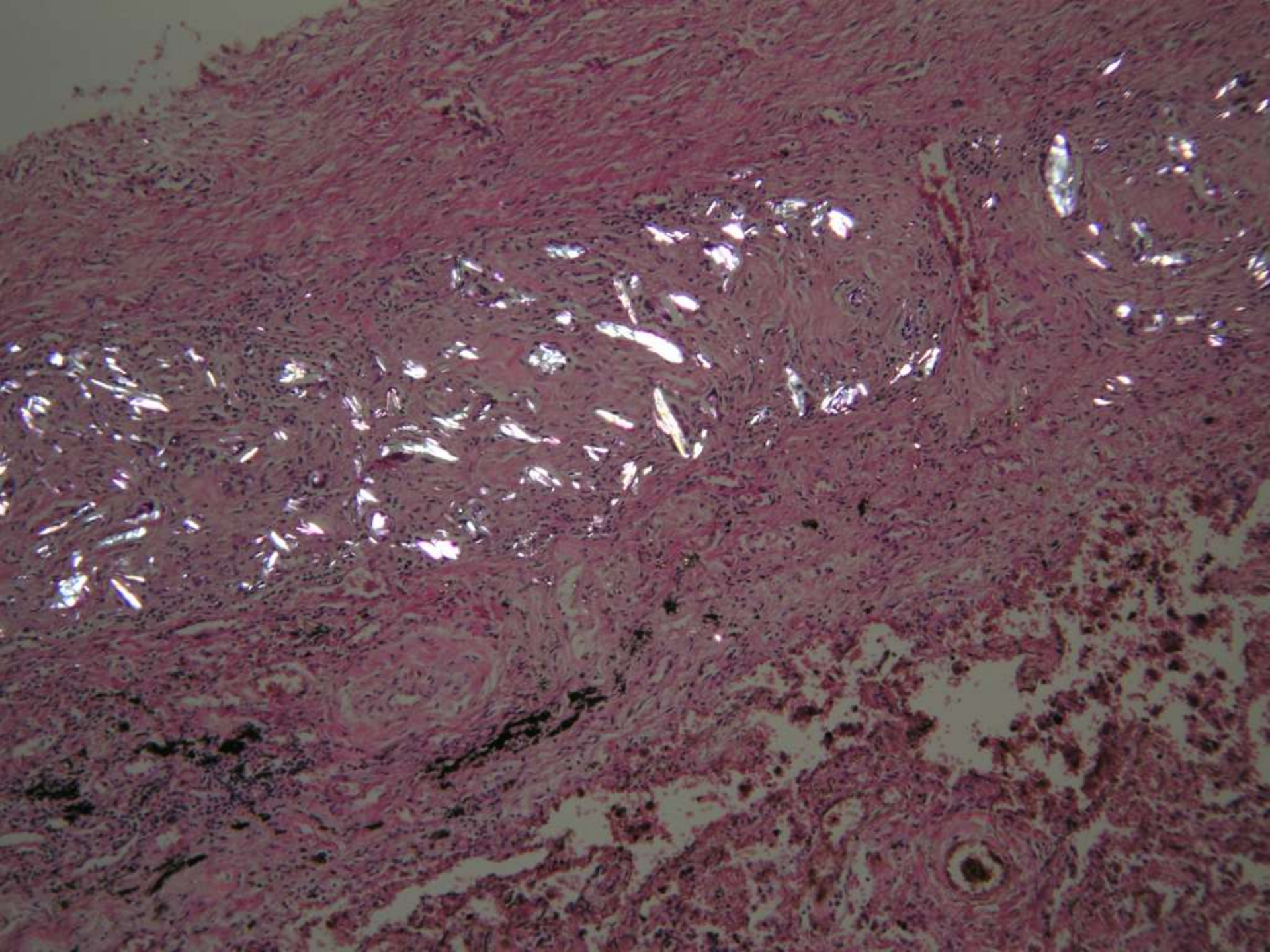


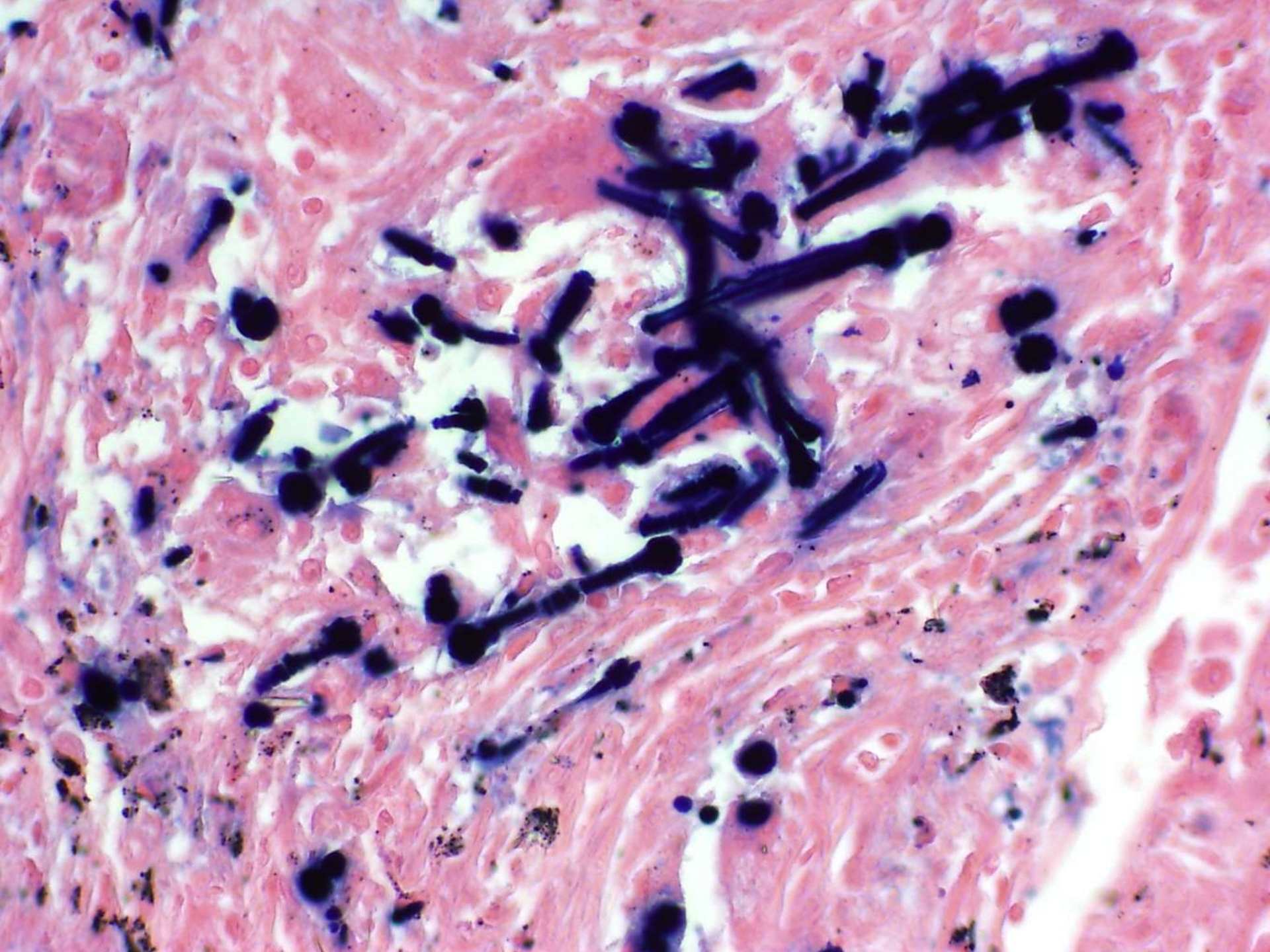
Use of special stains

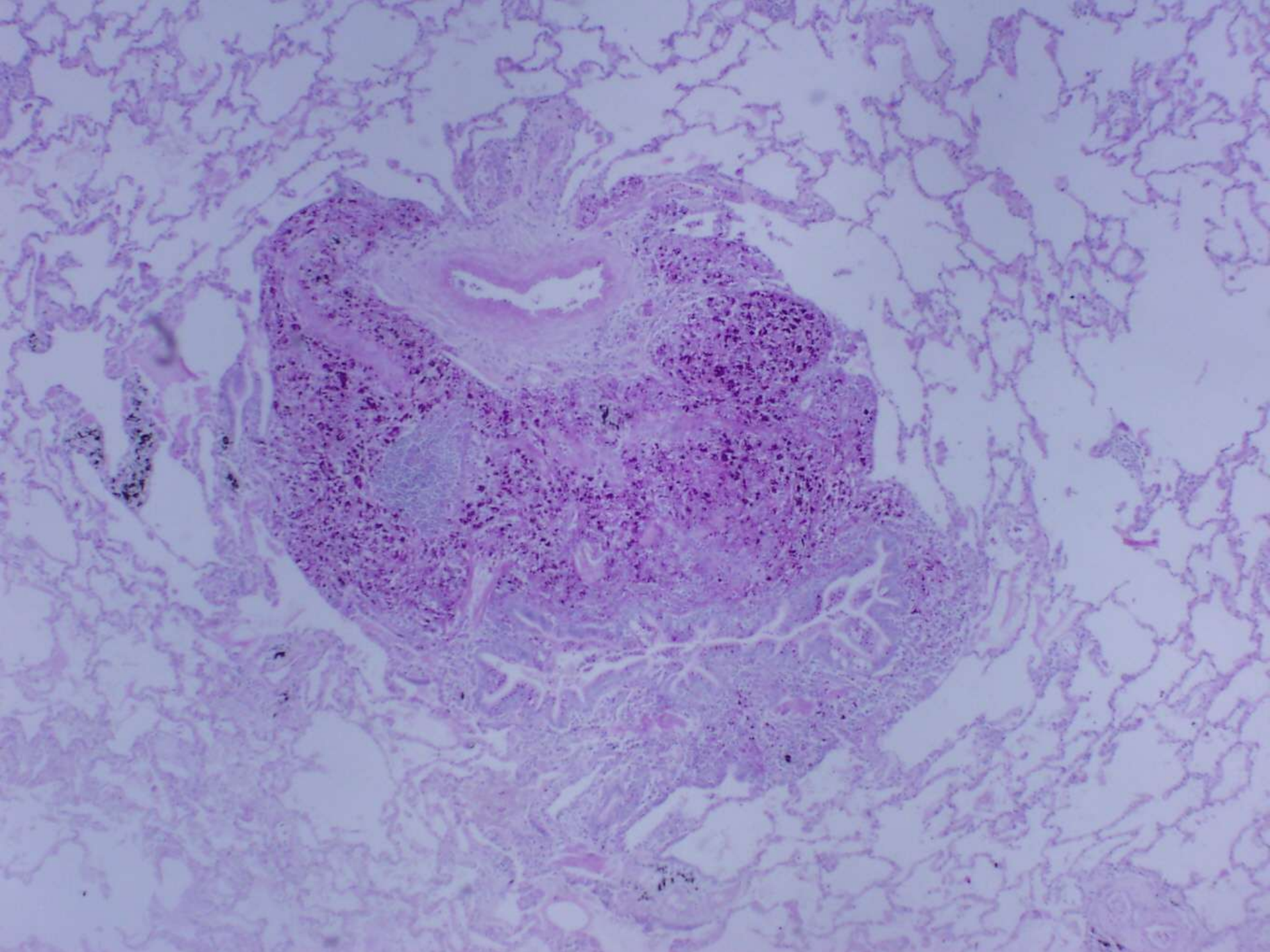
Foreign materials

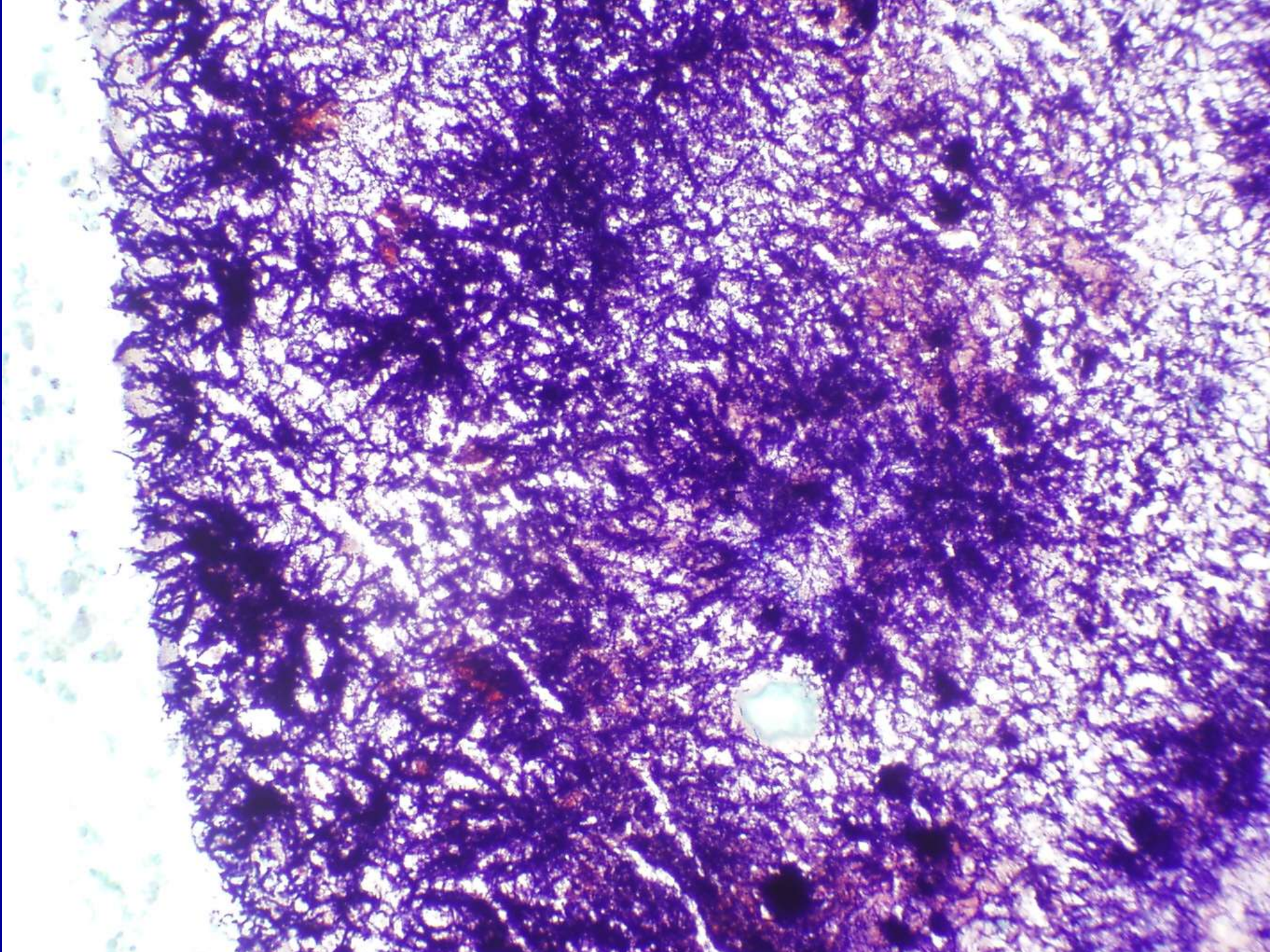
Bugs

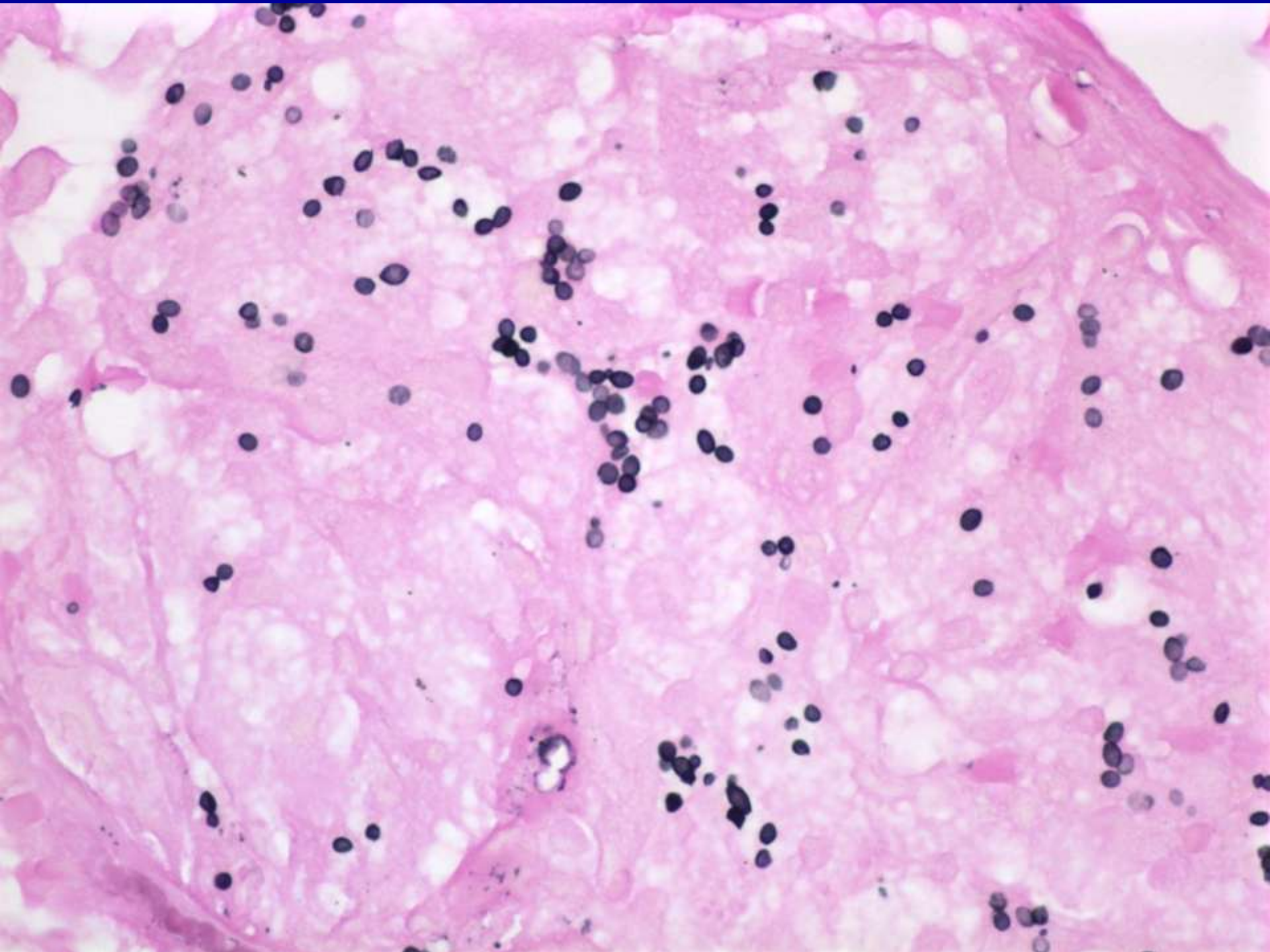
IHC

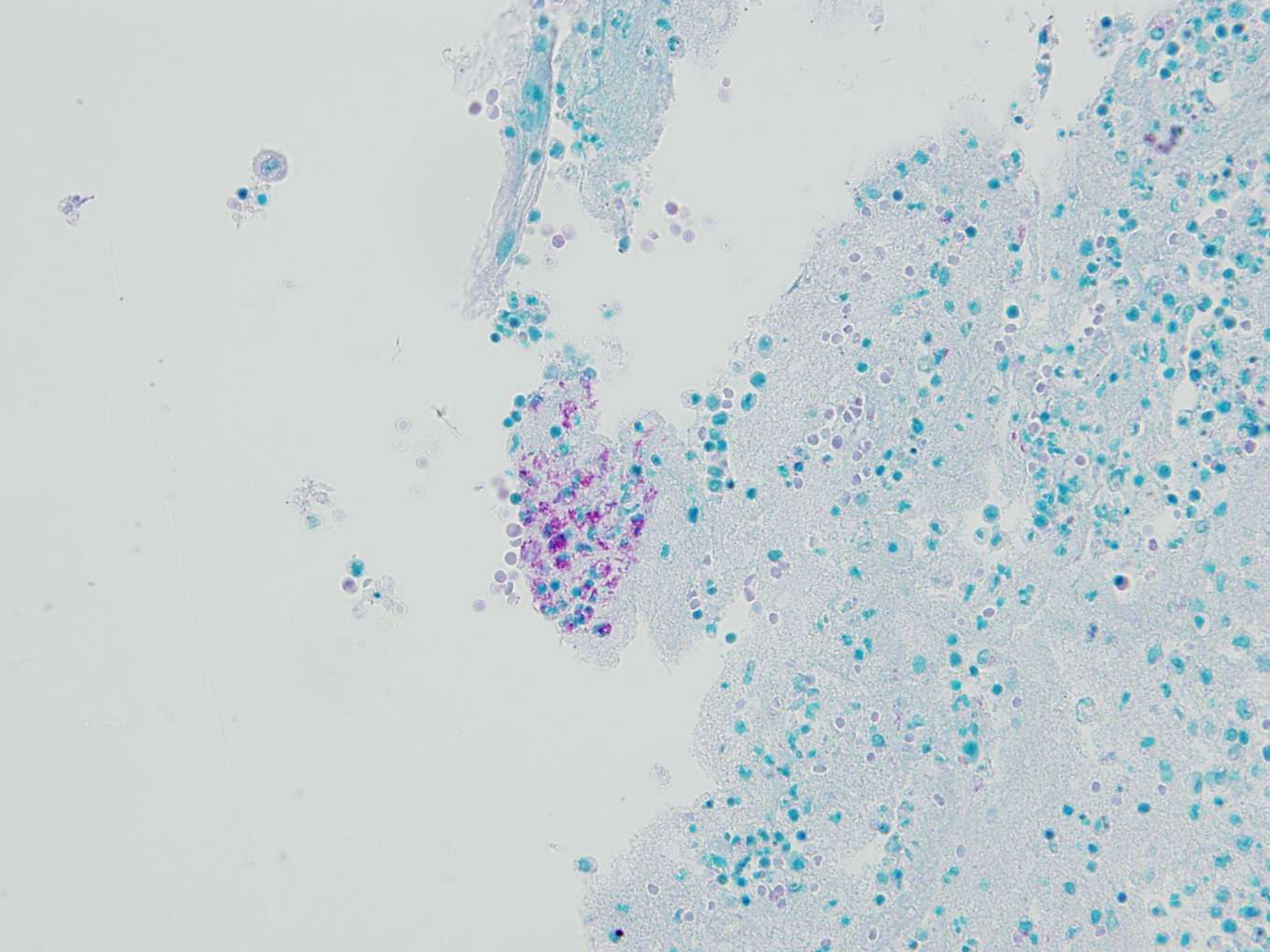


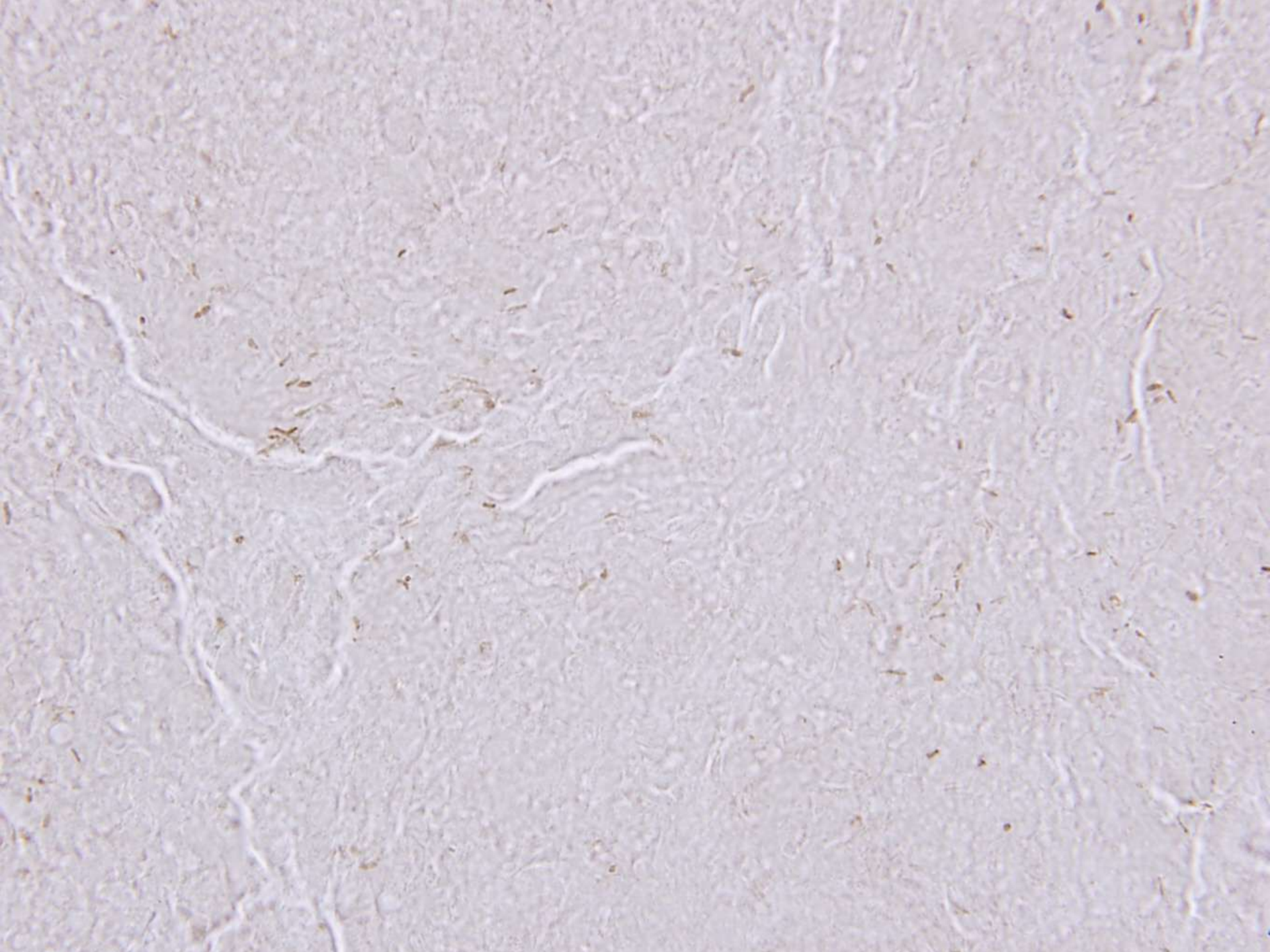


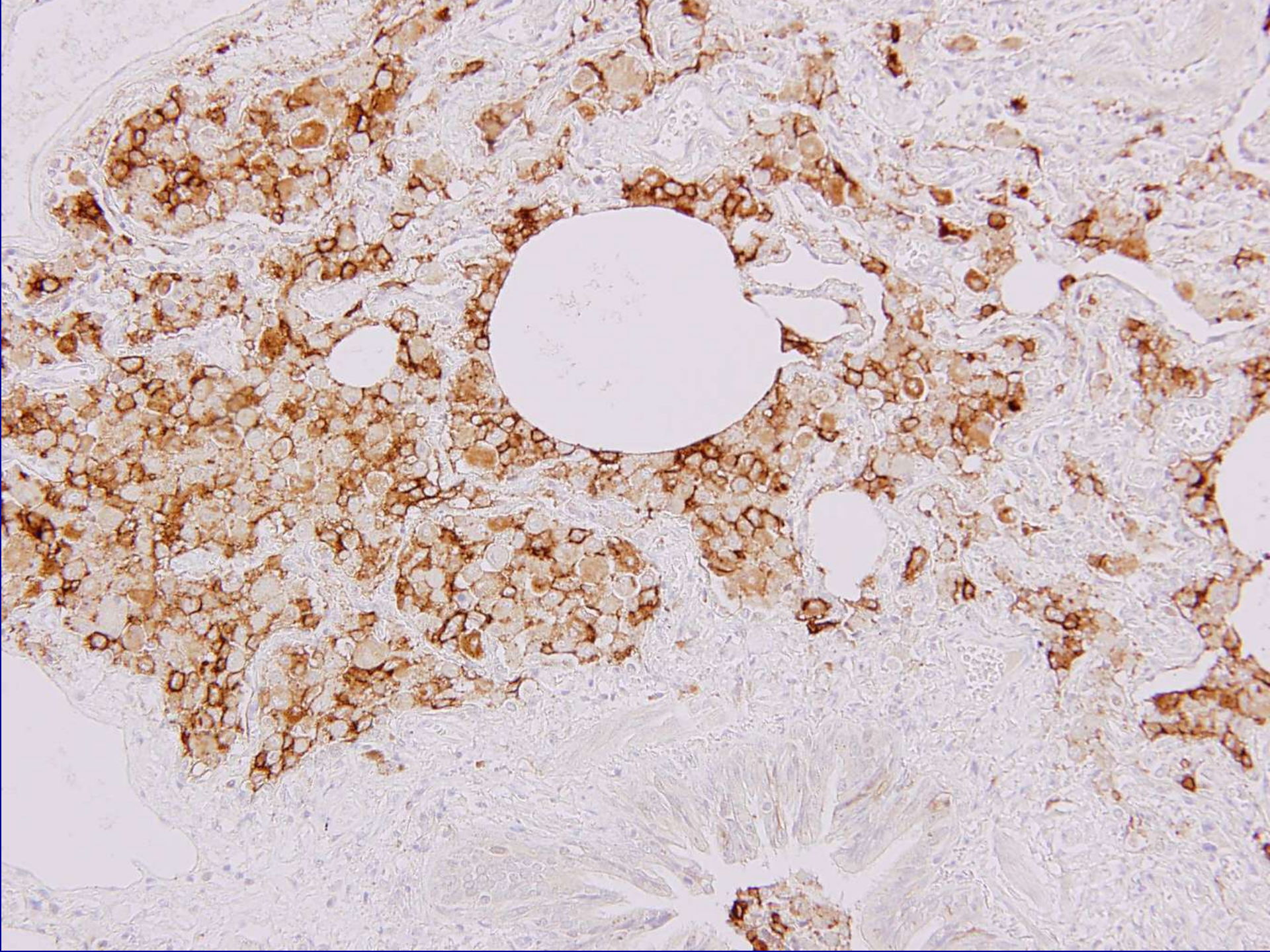


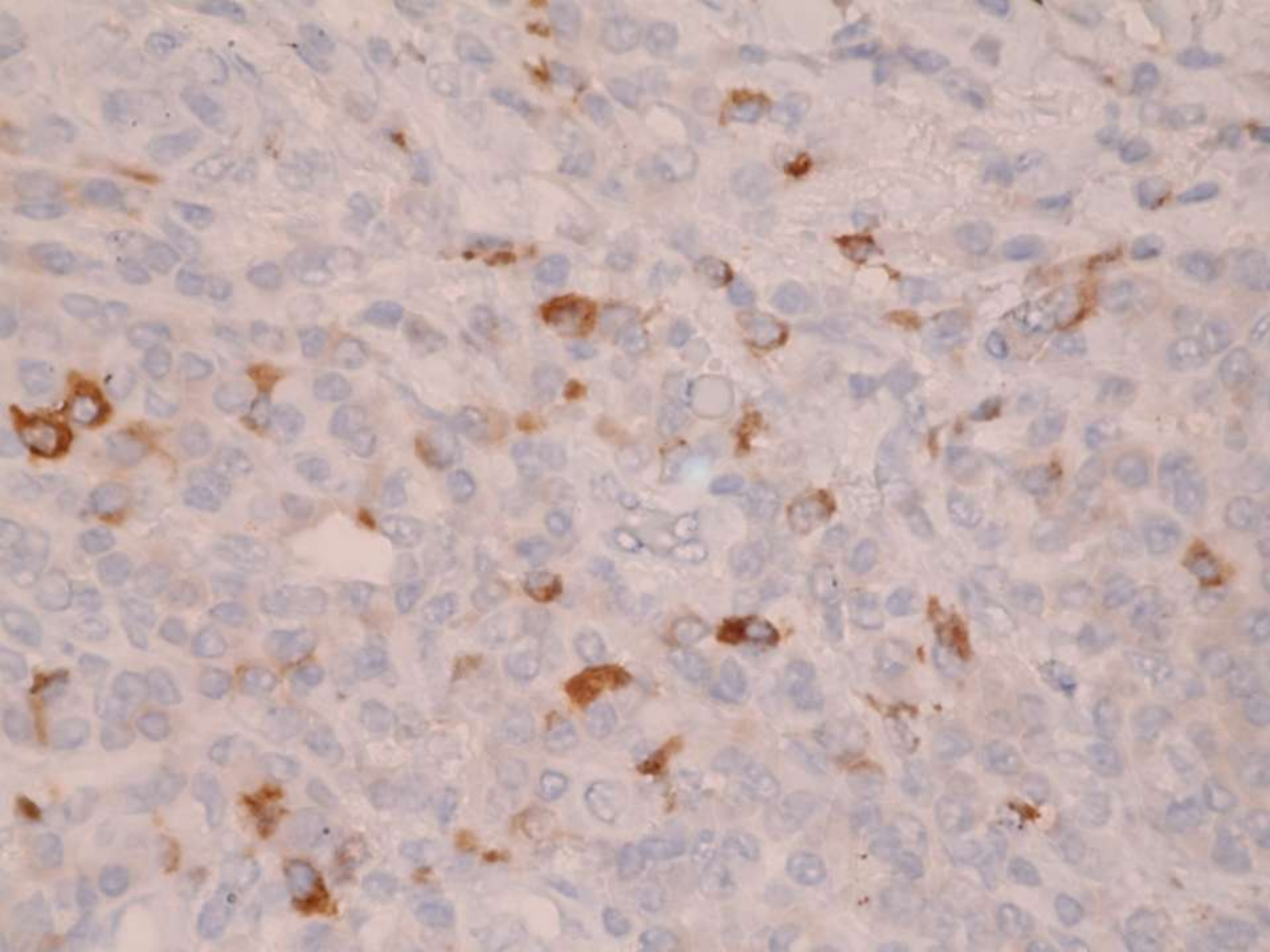












Summary

- Distribution of inflammatory cells
- Quantity of inflammatory cells
- Quality of inflammatory cells
- Special stains
- Therapy!

Thank you for attention!

