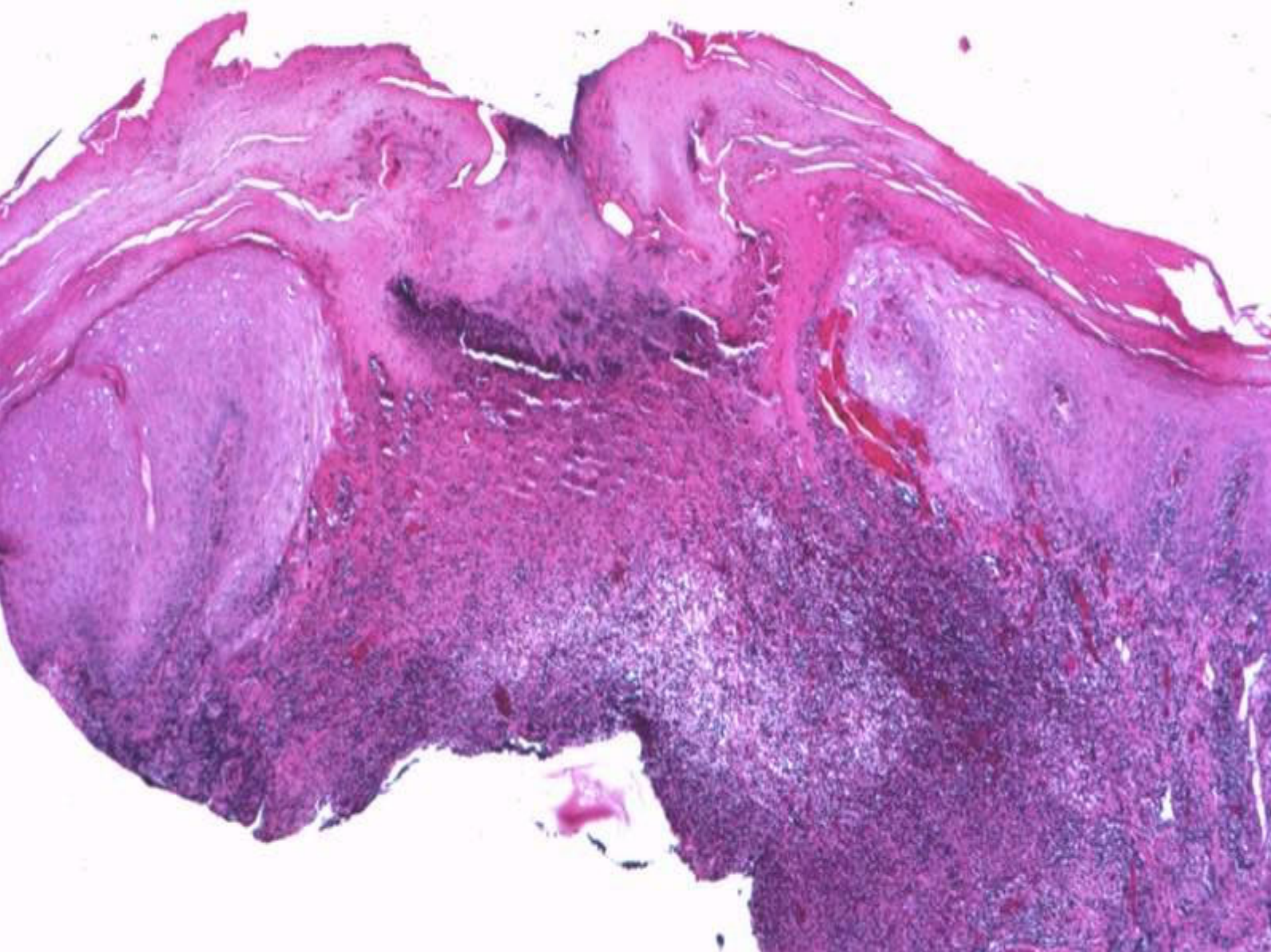


# Infections of the Skin-Part 2

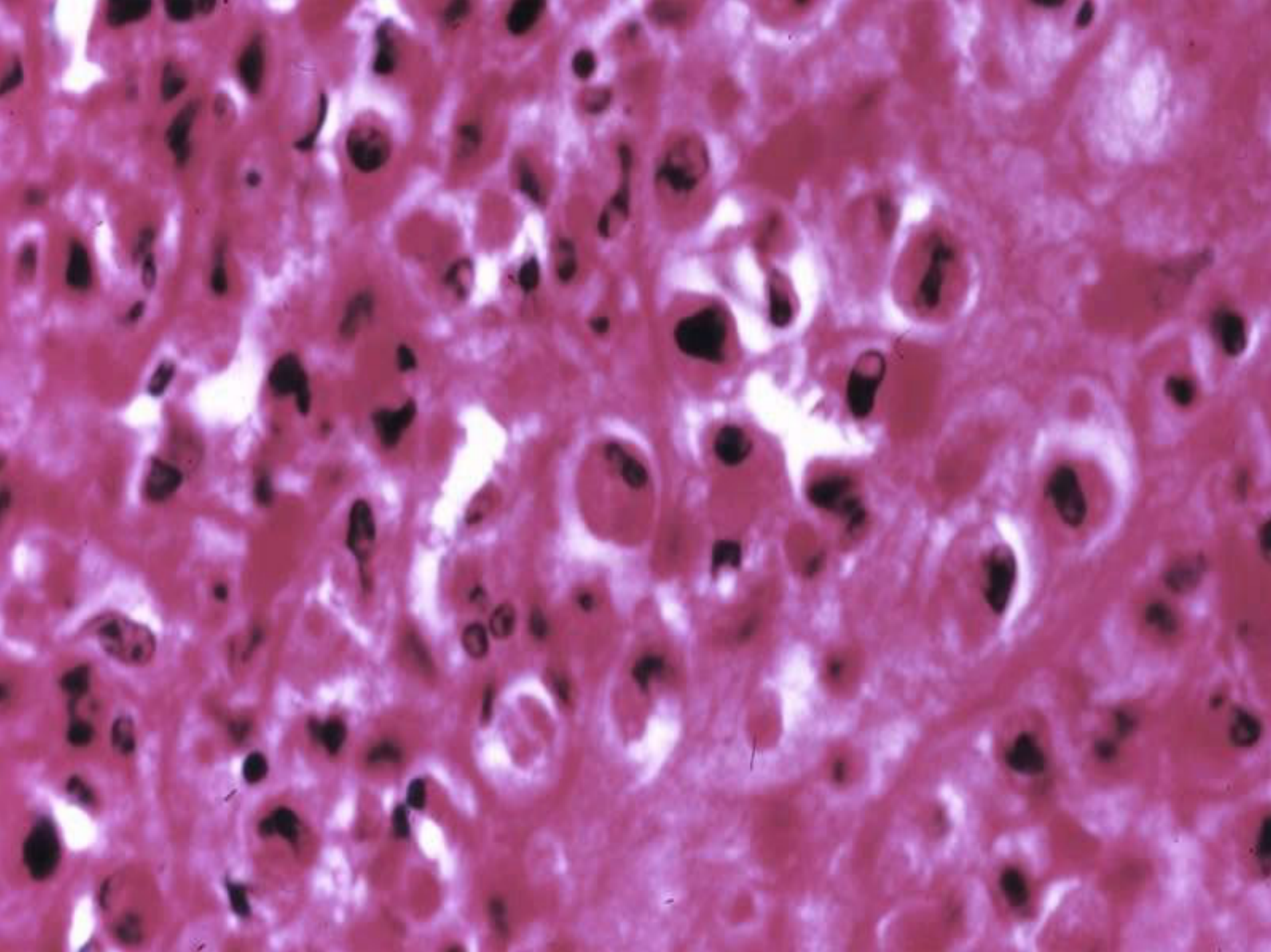
Paul K. Shitabata, M.D.

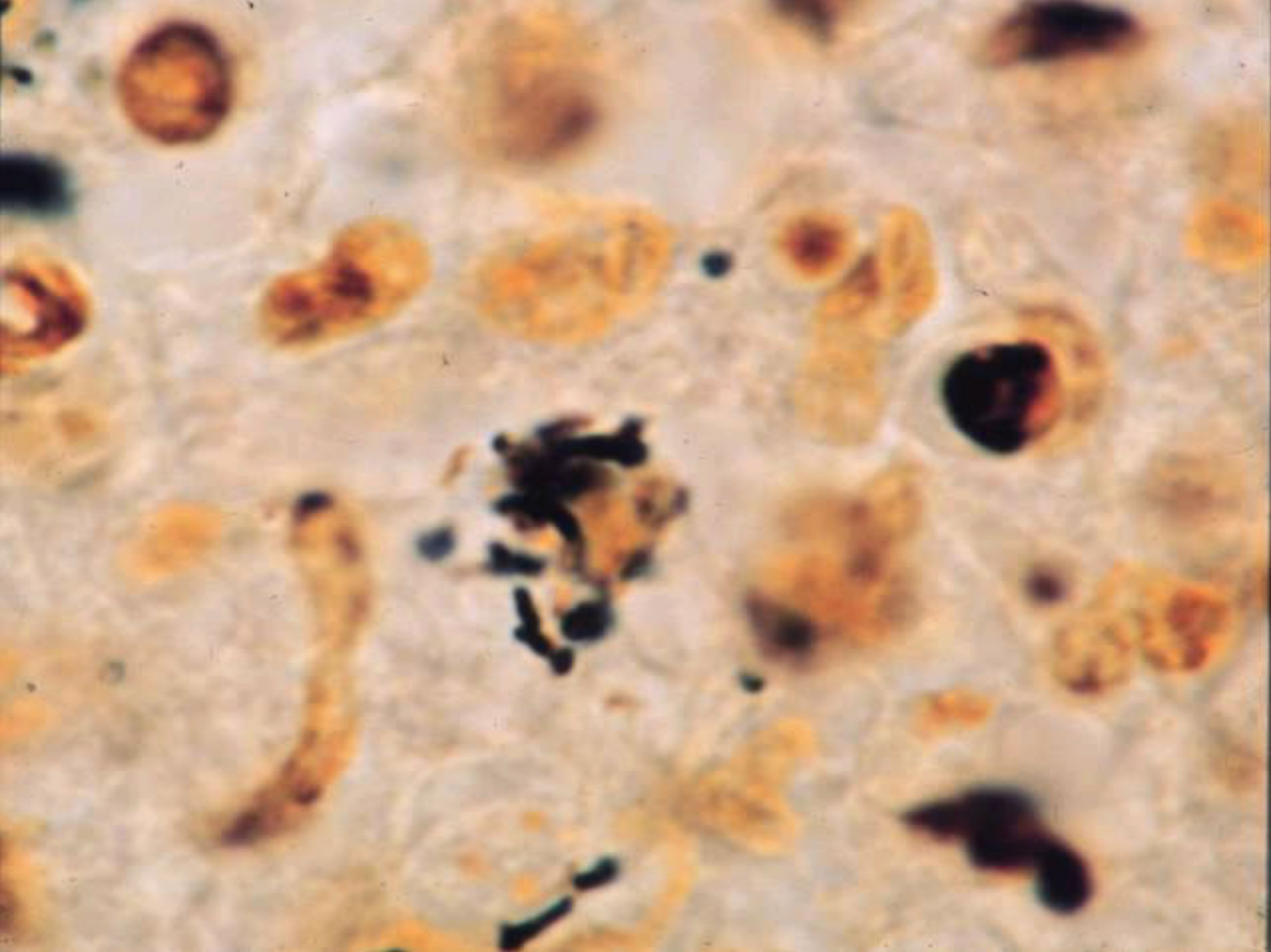
Dermatopathologist  
Pathology Inc.







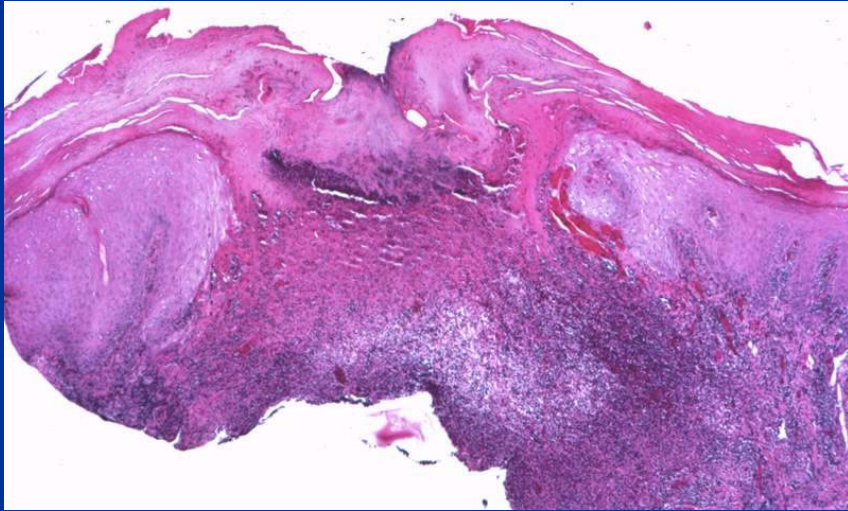




# Cat Scratch Disease



# Histopathology

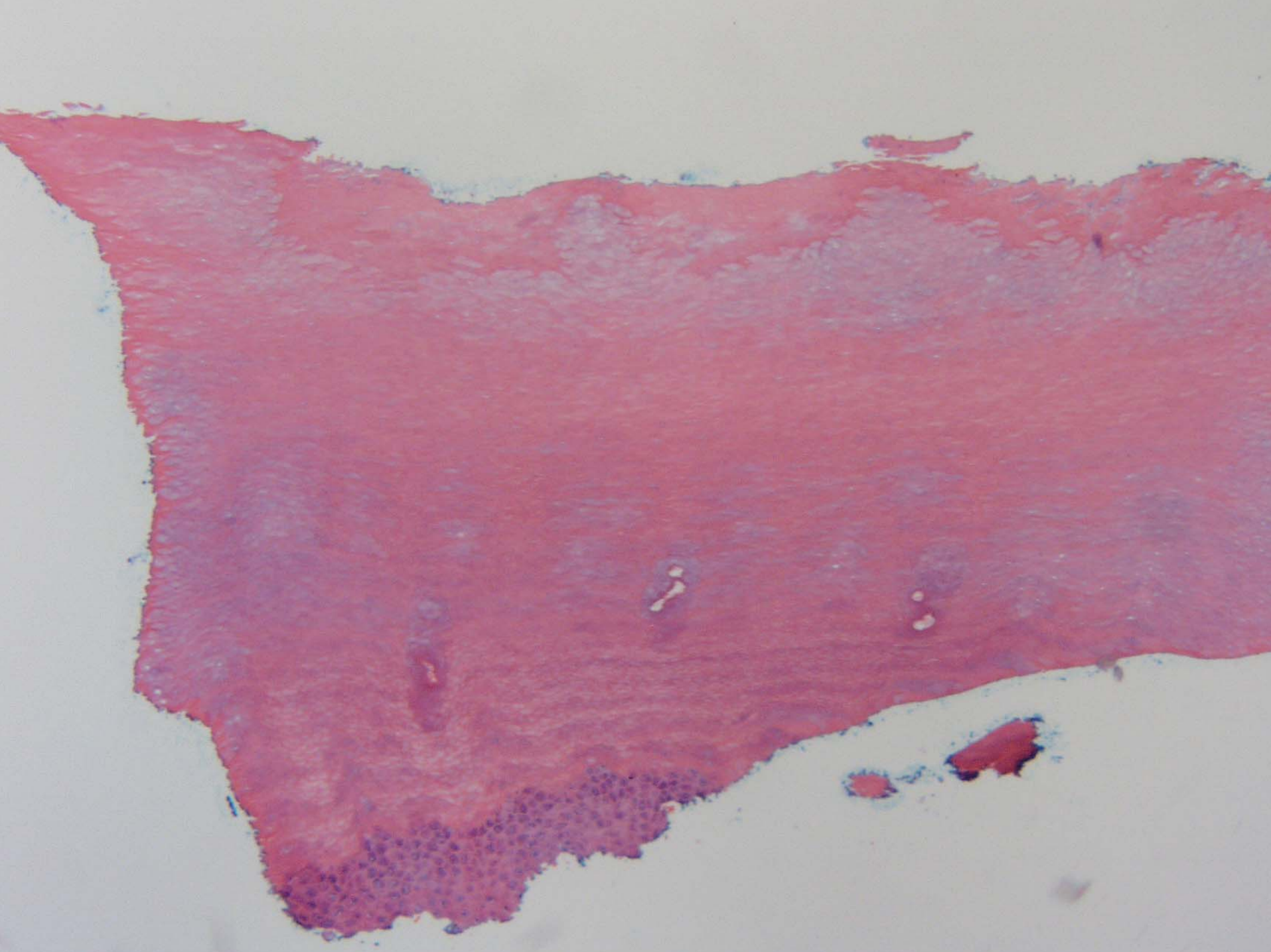


- Pyogenic granuloma-like lesion
- Collections of pmns around vessels
- May have bluish hue in these foci (bacteria)
- Warthin-Starry stain

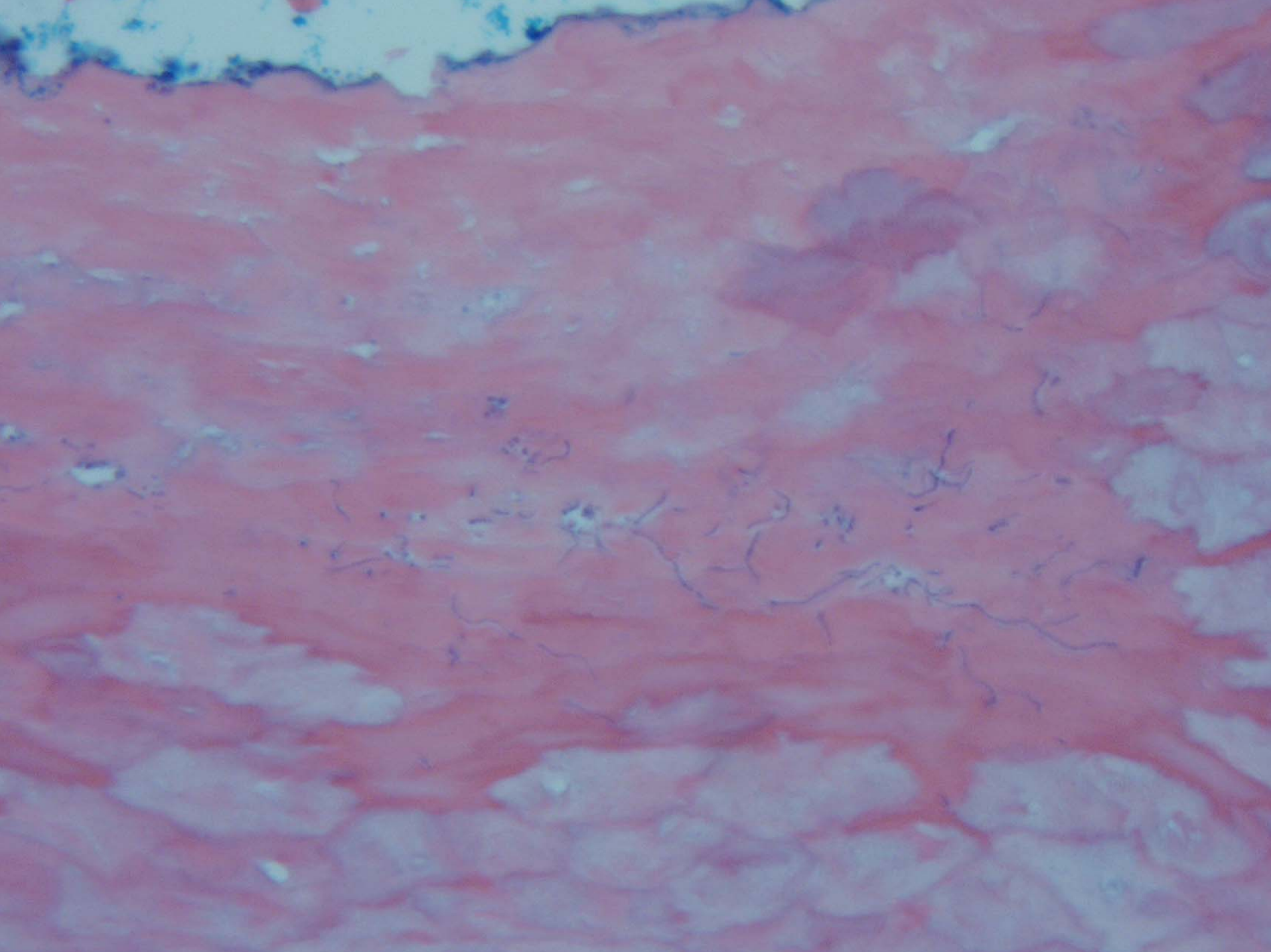




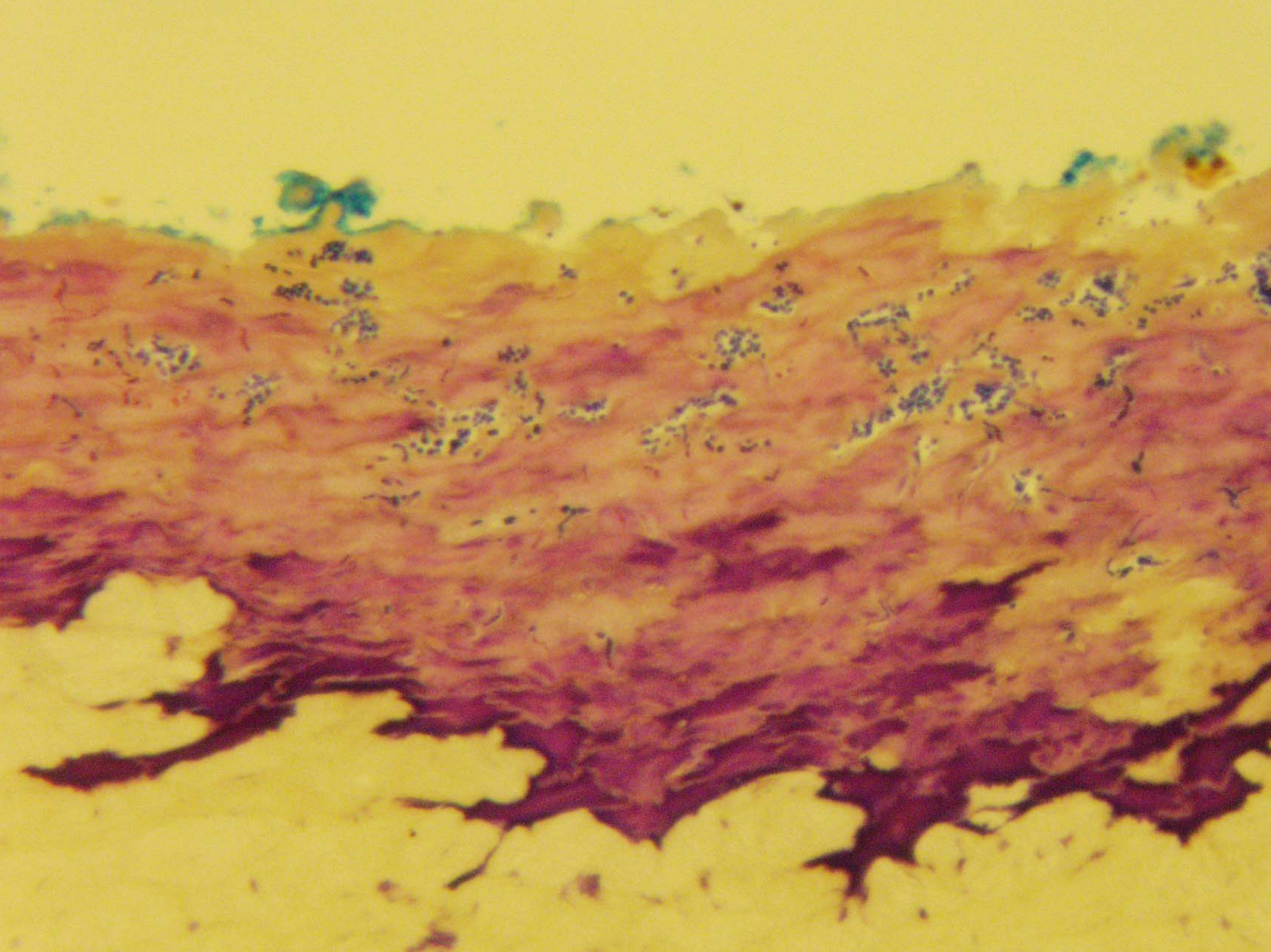






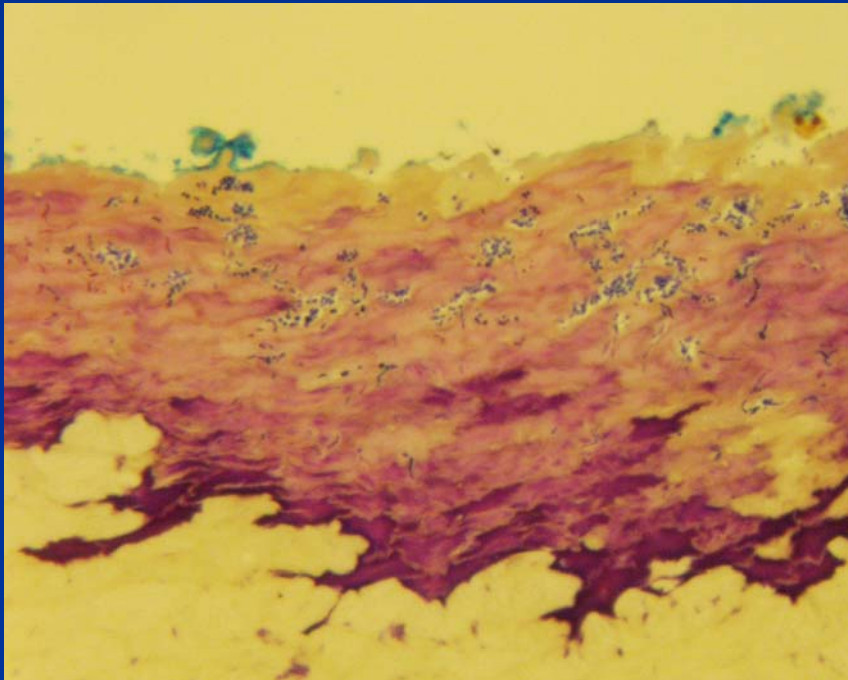






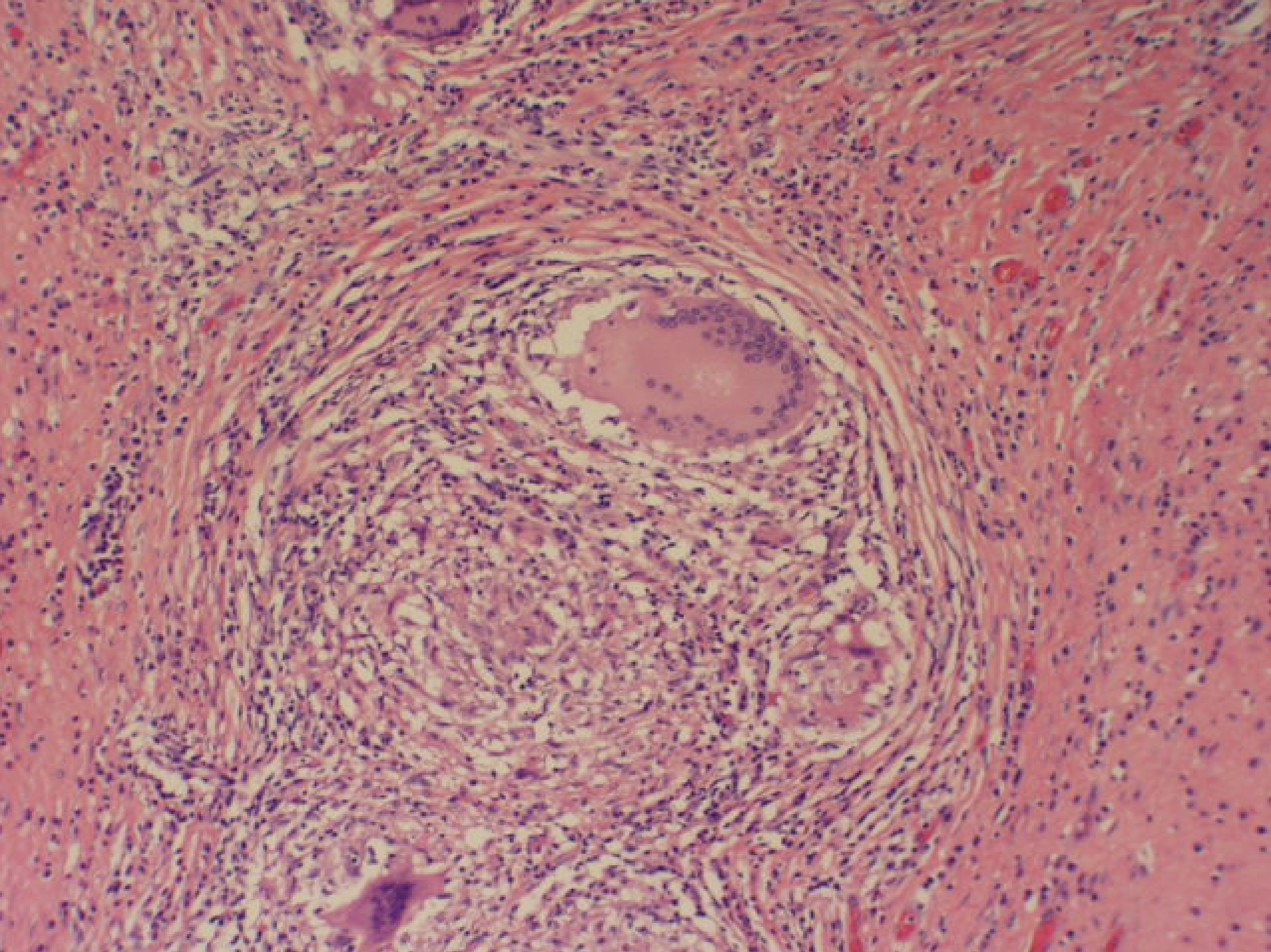
# Pitted Keratolysis

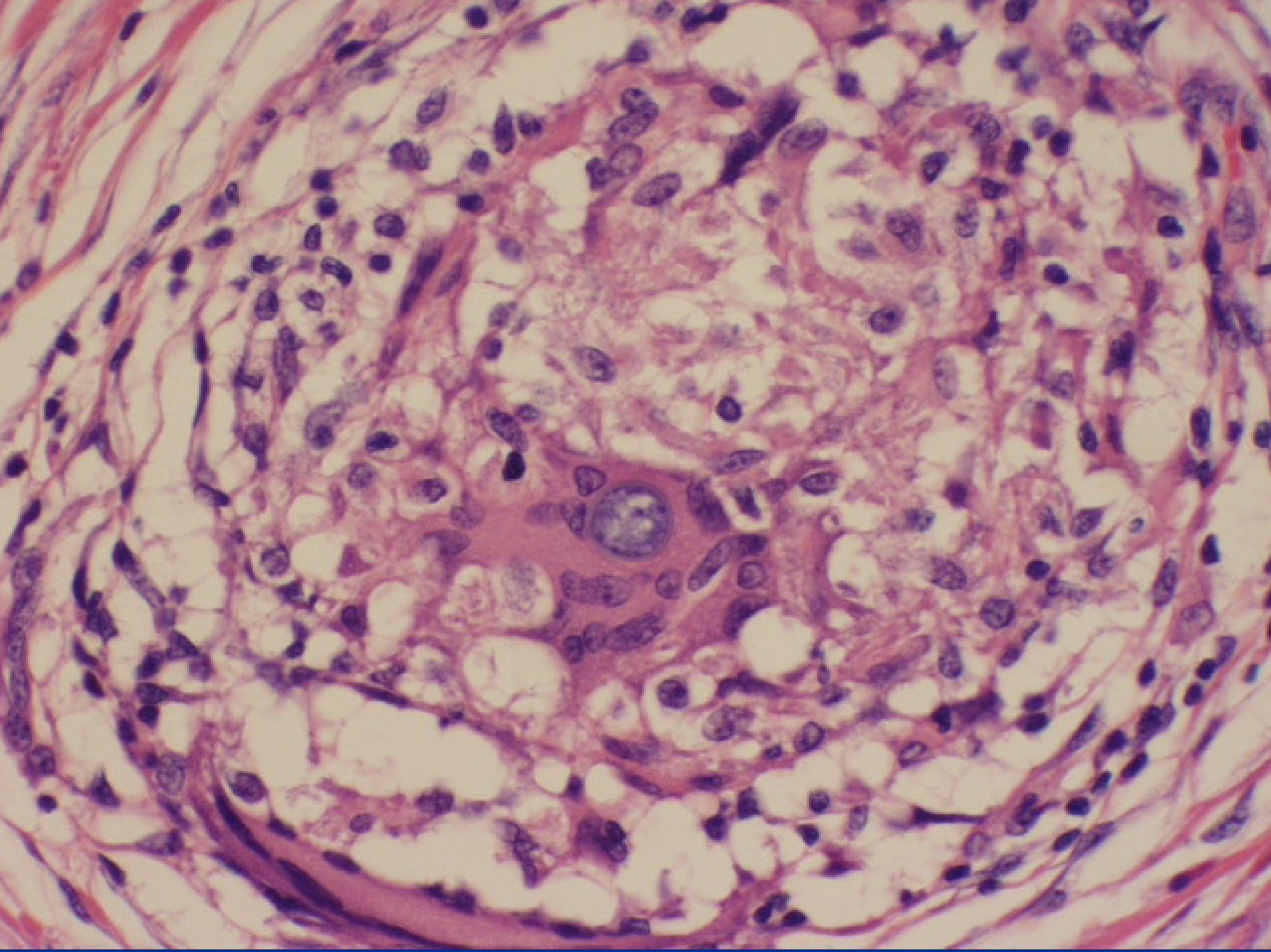
# Histopathology



- Relatively unremarkable acral skin by H and E
- High power with faintly staining rods
- Confirm by tissue gram stain



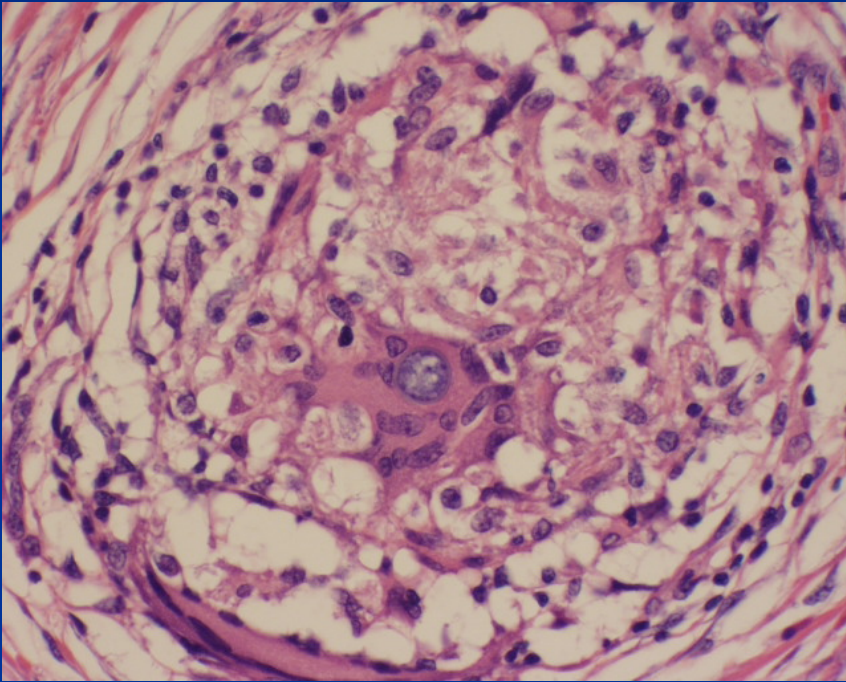




# Coccidioidomycosis



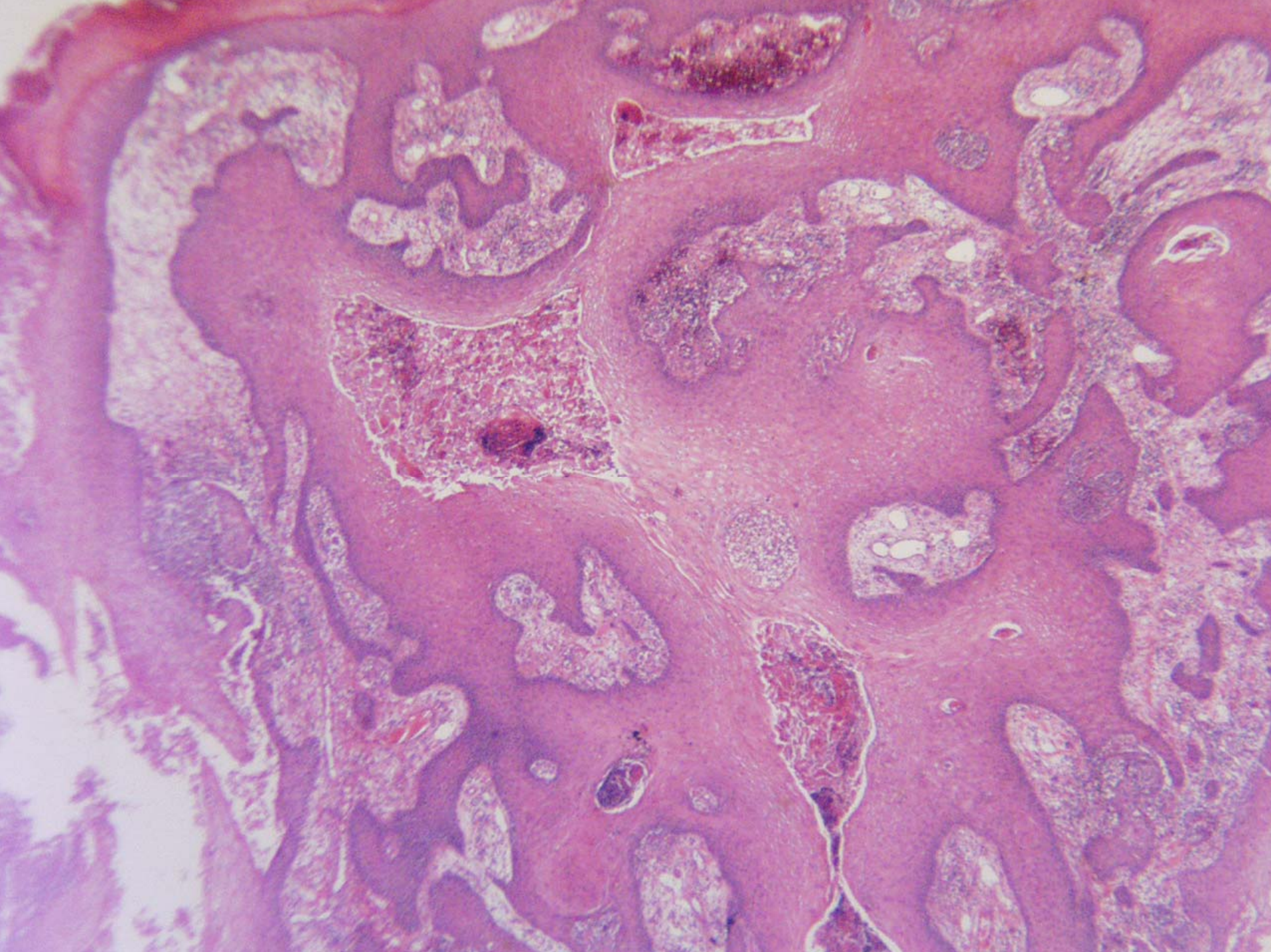
# Histopathology



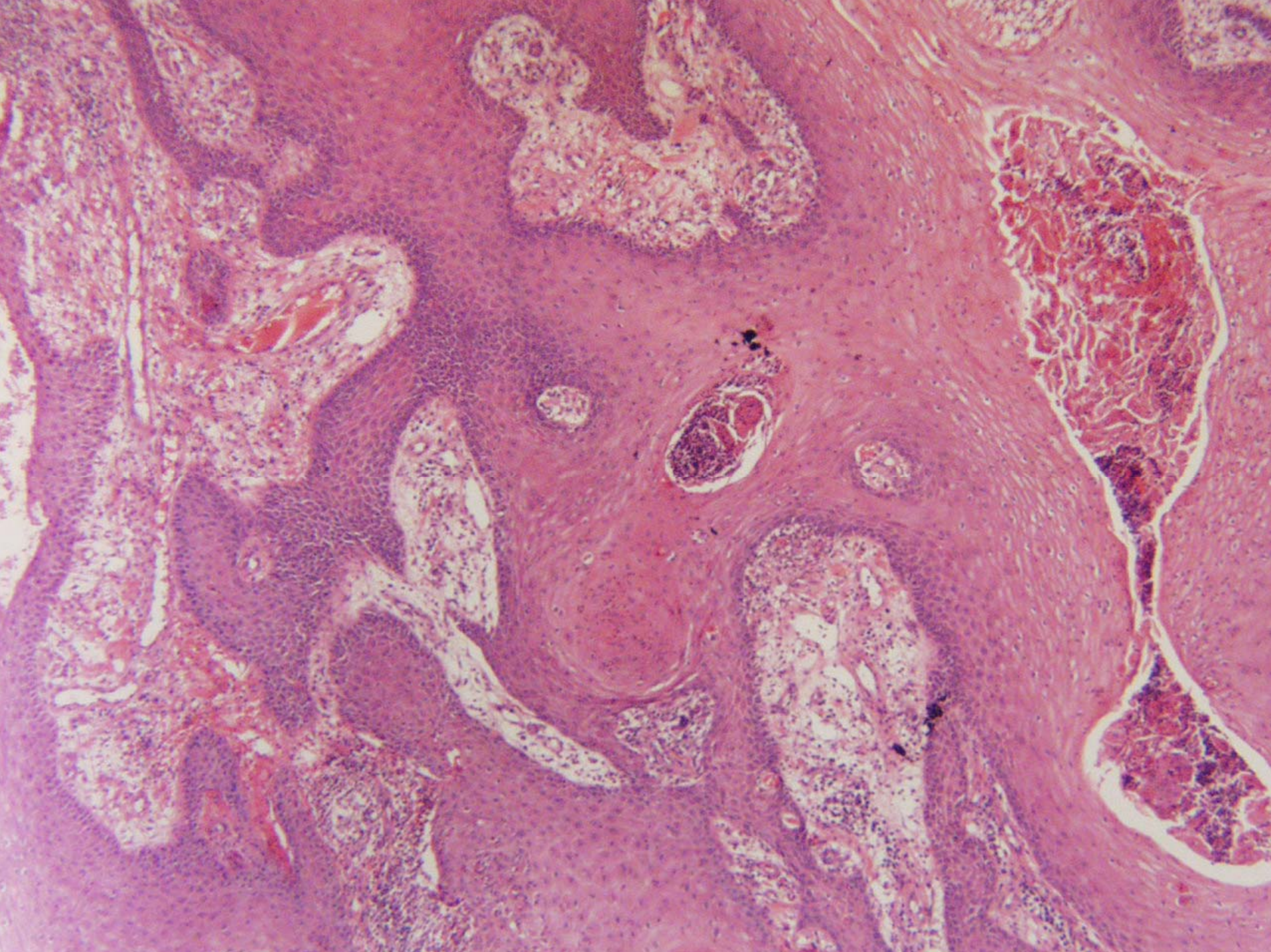
- Multiple granulomas, may be caseating
- Giant cells containing large organisms
- PAS/GMS+



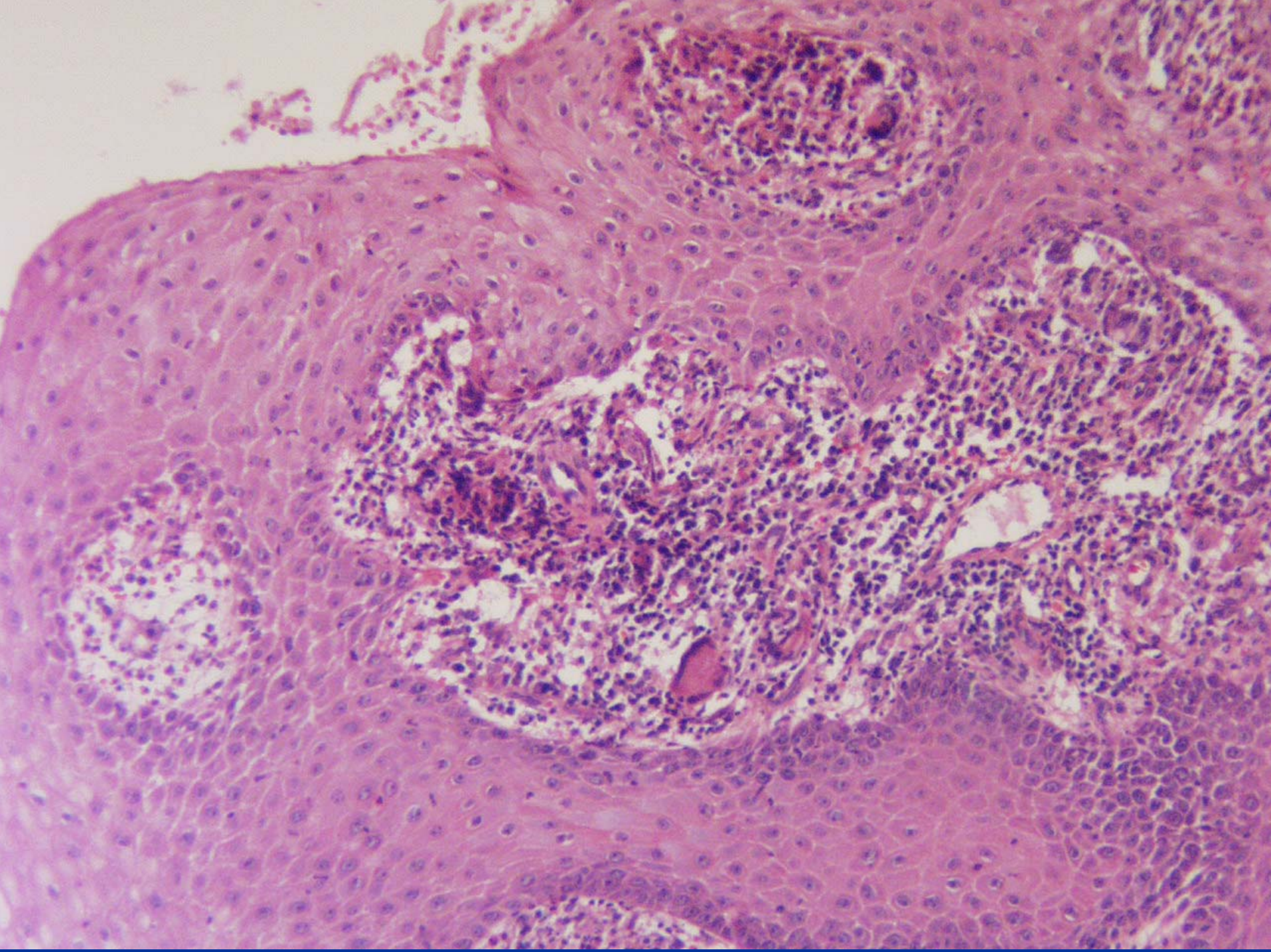




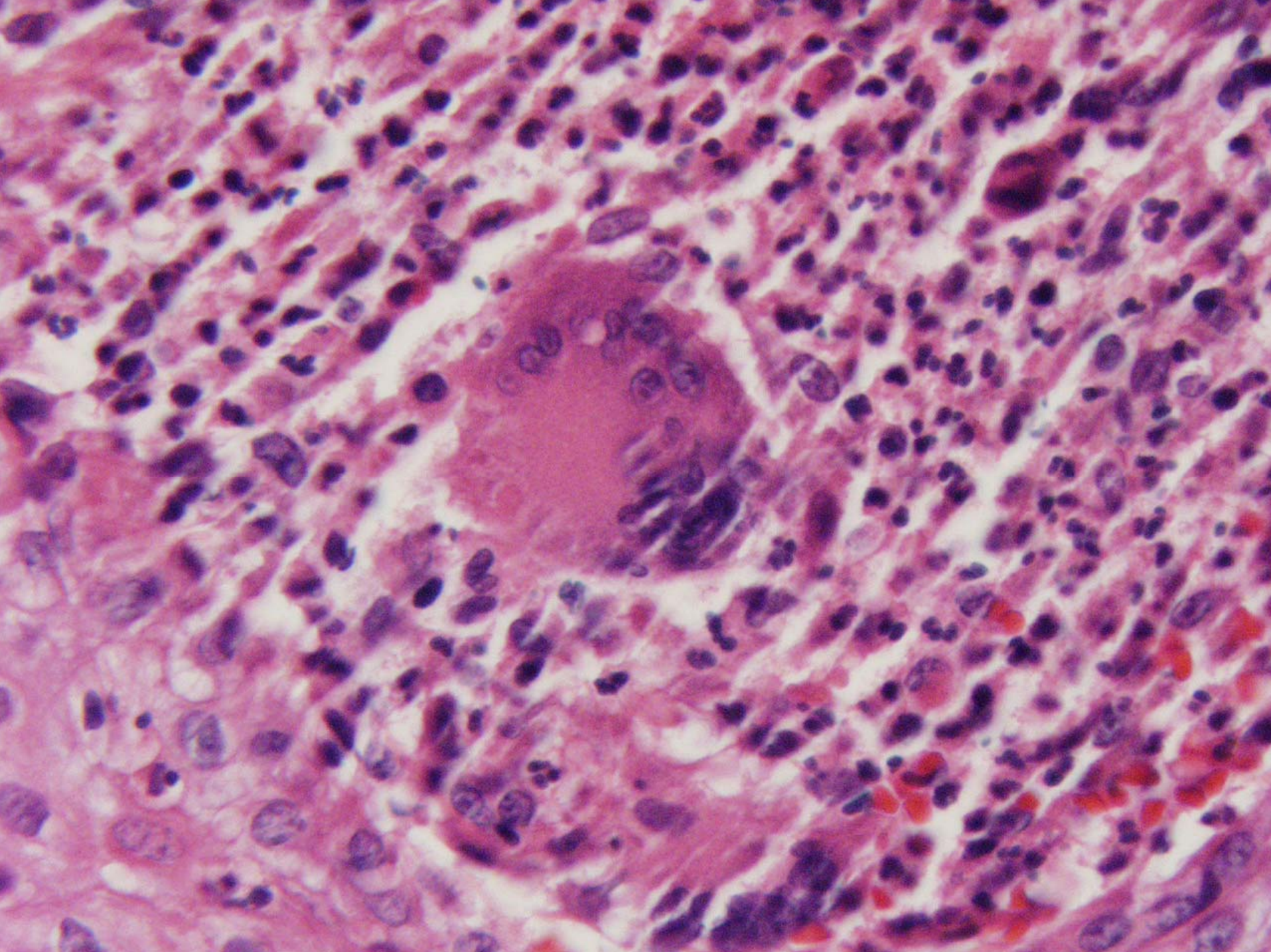




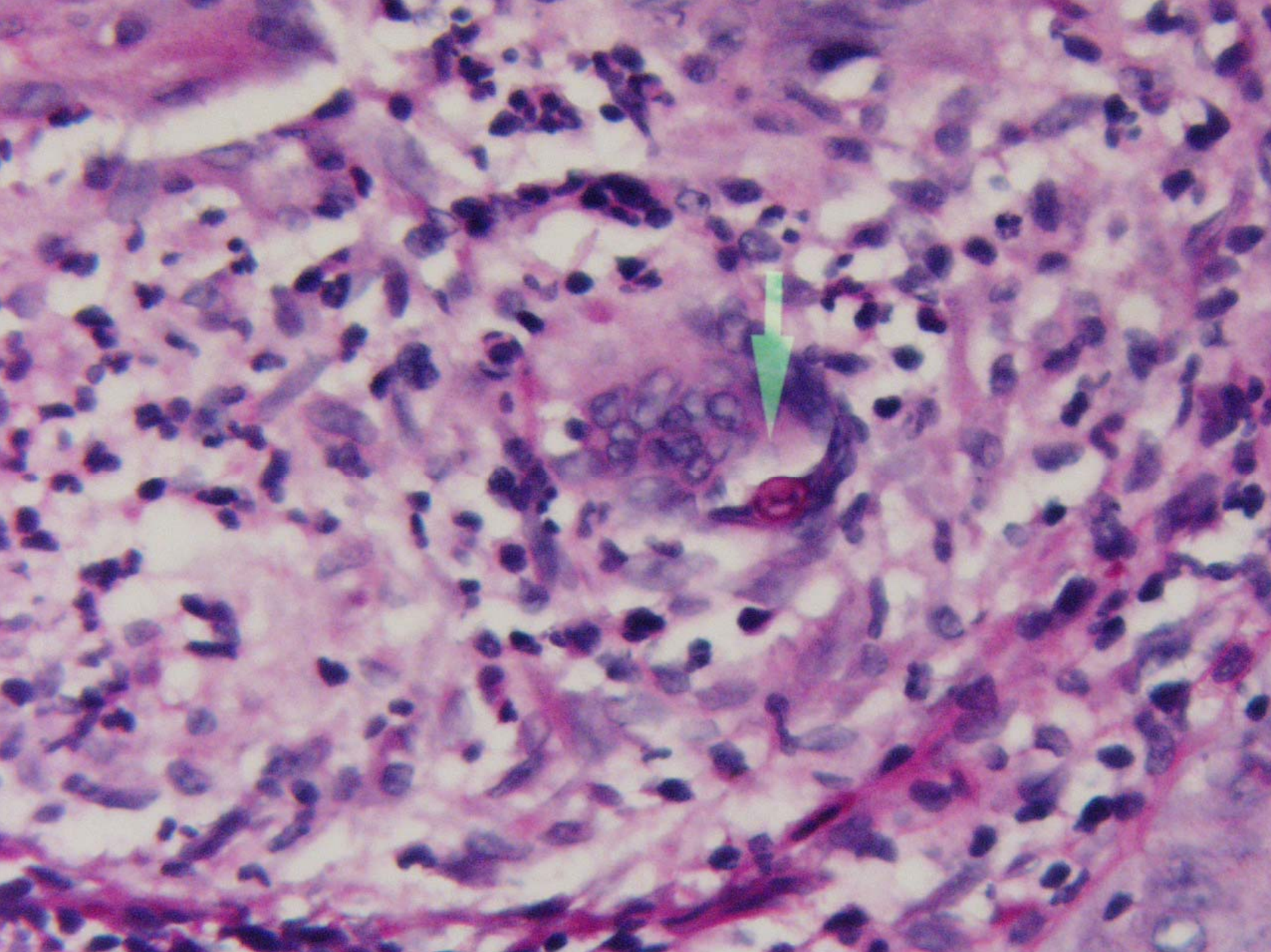








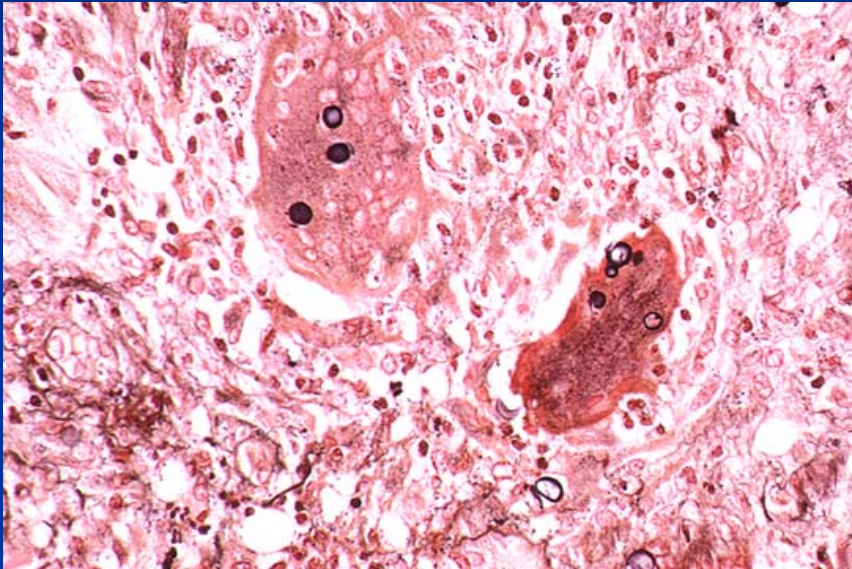






# Blastomycosis

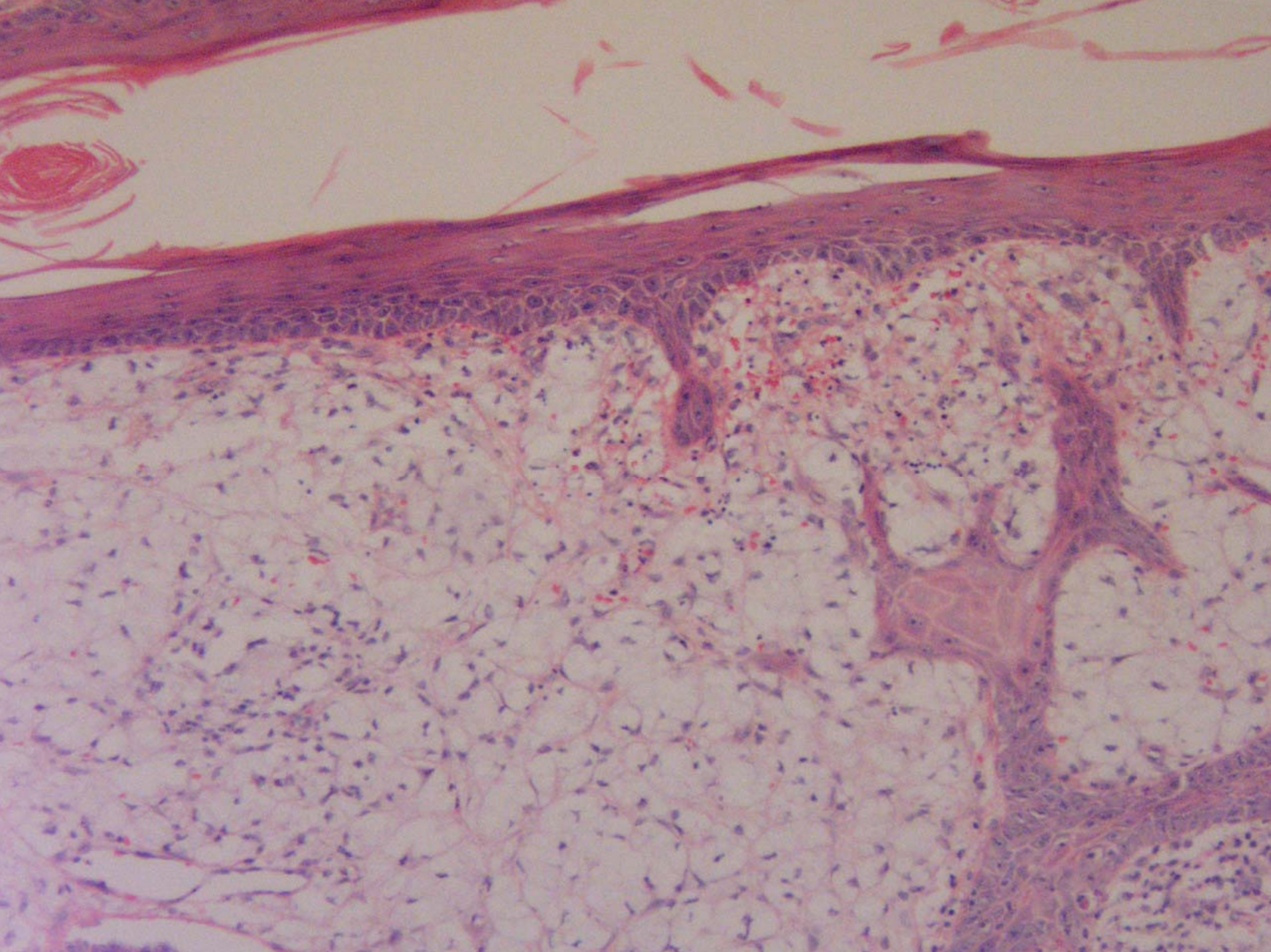
# Histopathology



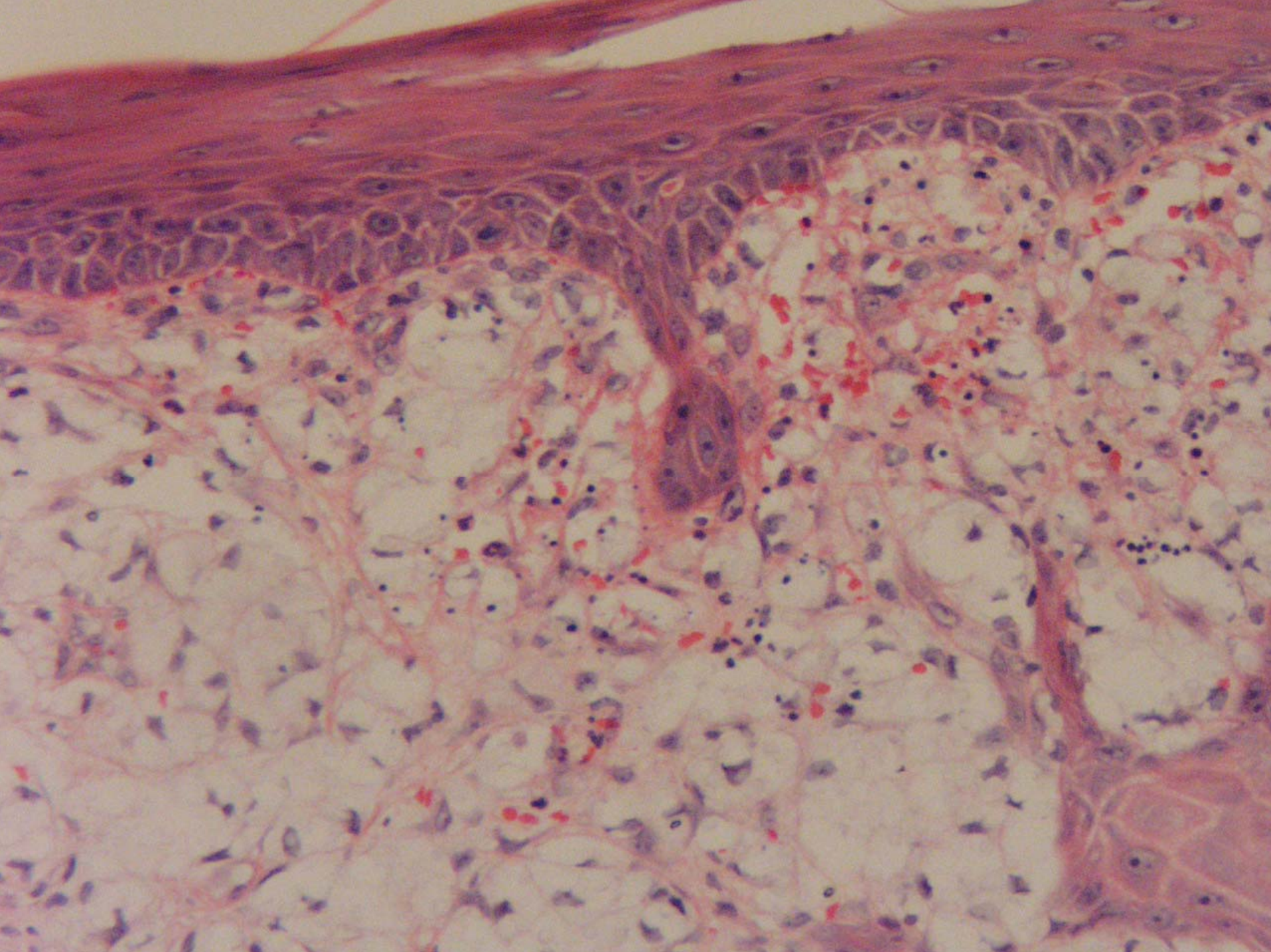
- Pseudoepitheliomatous hyperplasia
- Intraepithelial abscesses
- Granulomatous infiltrate
- Giant cells



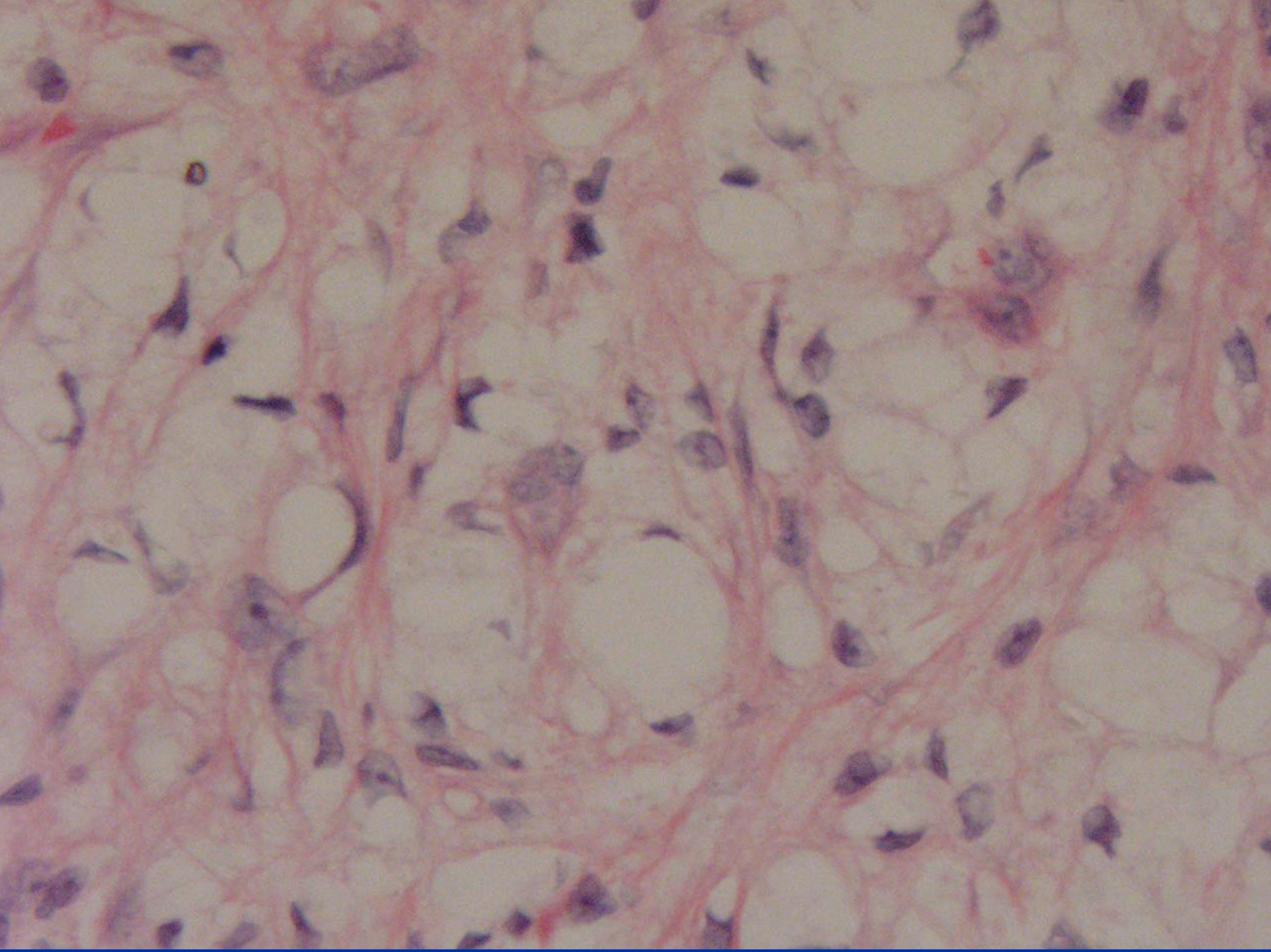




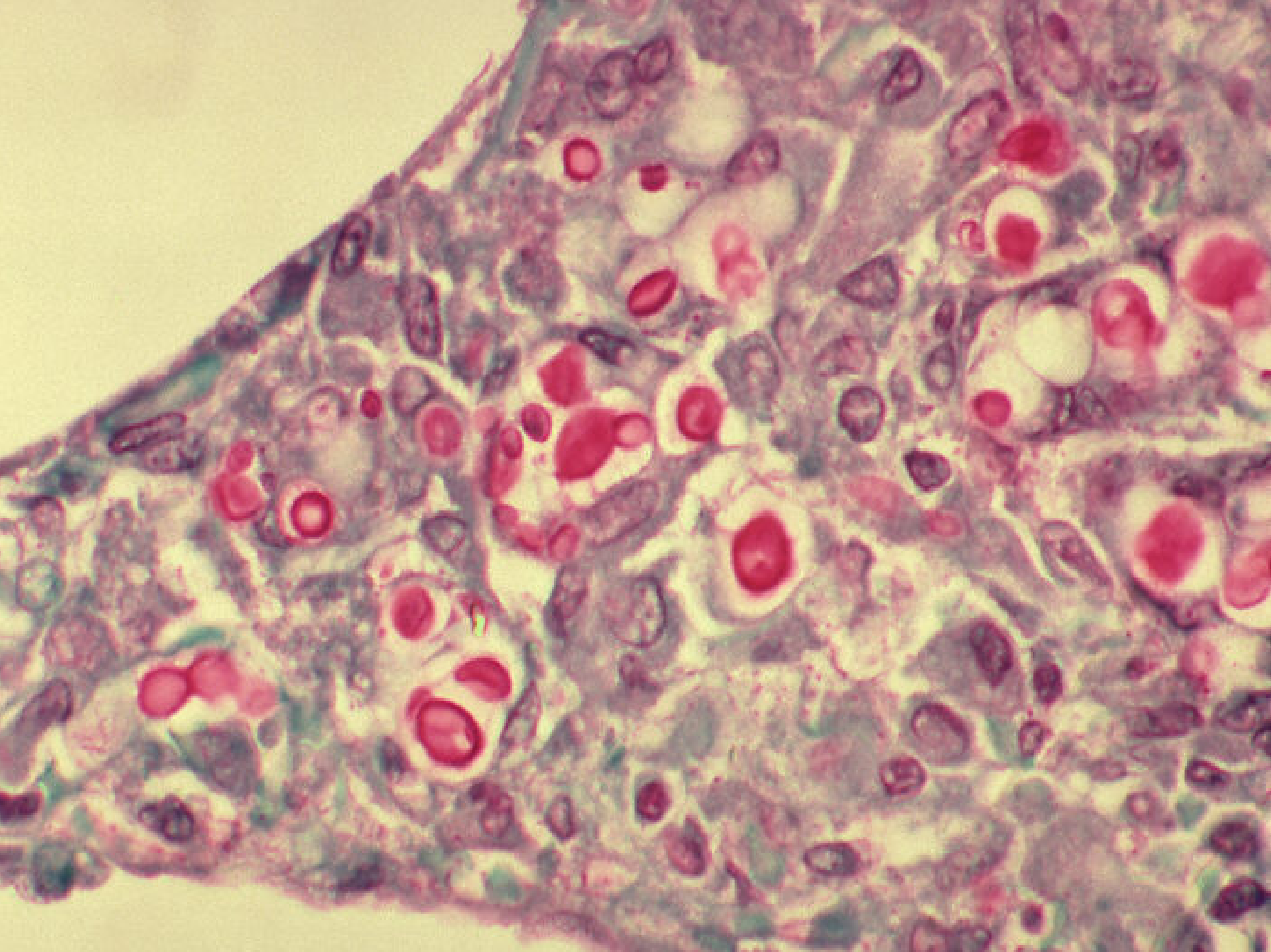


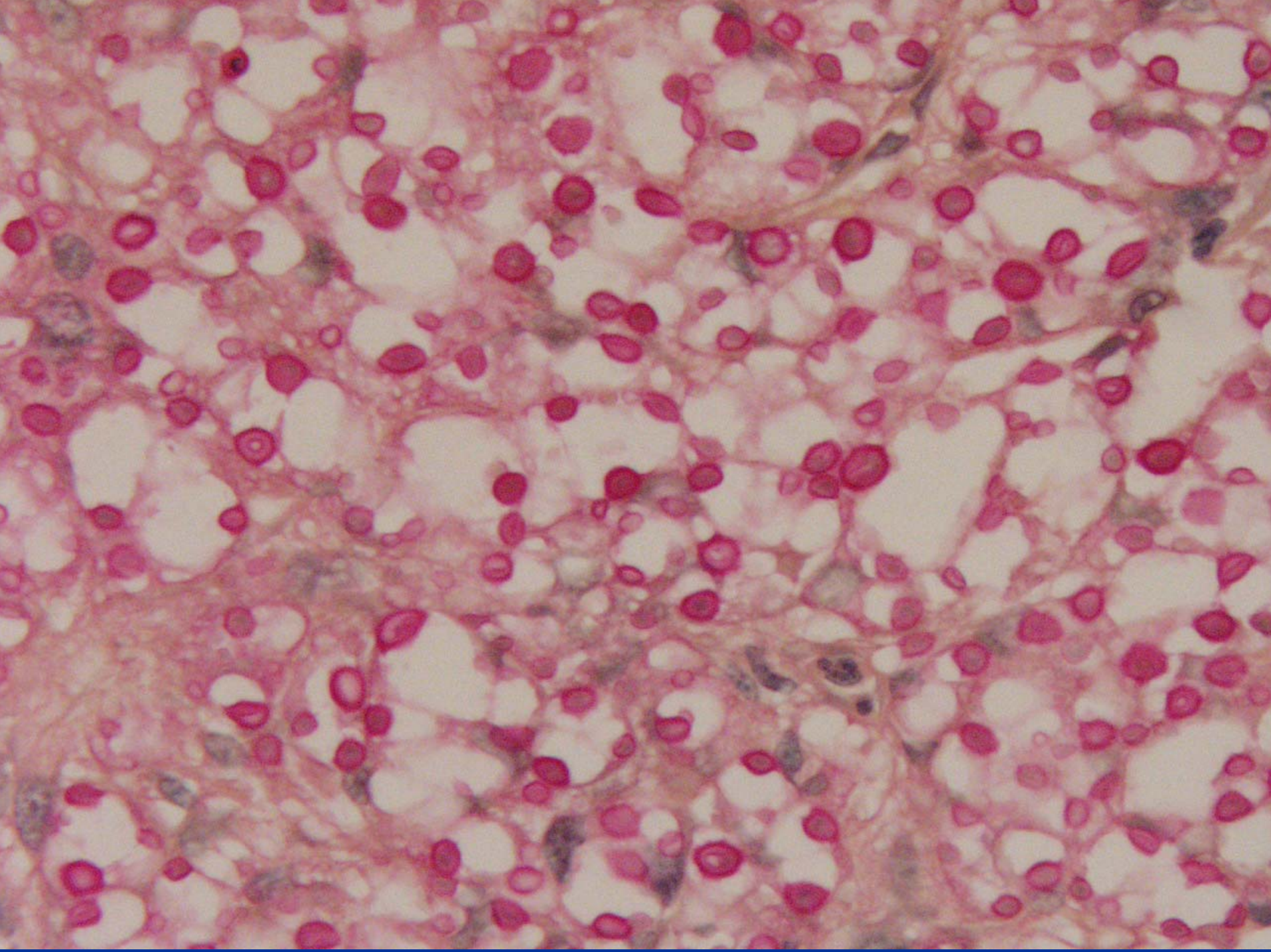








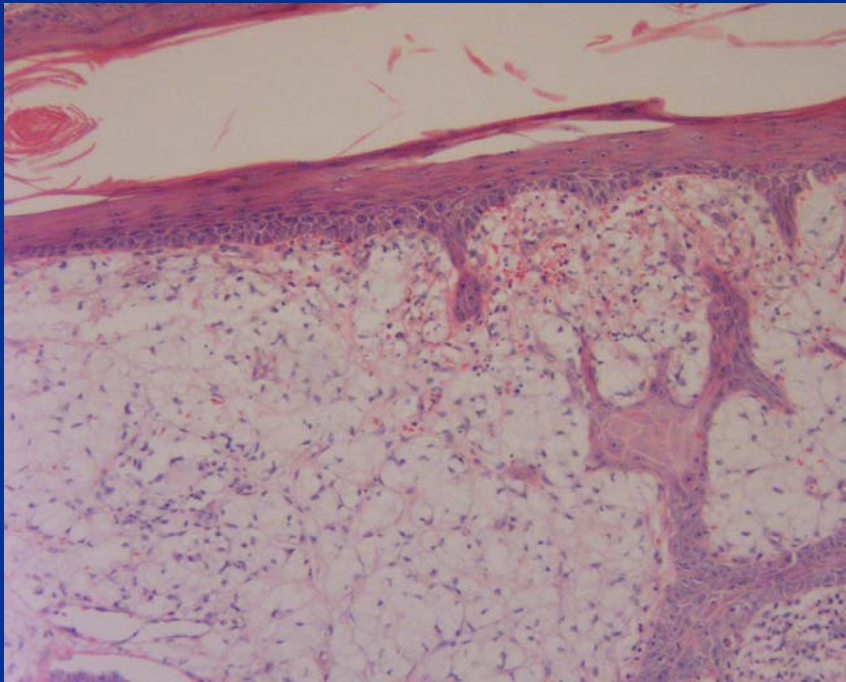




# Cryptococcosis

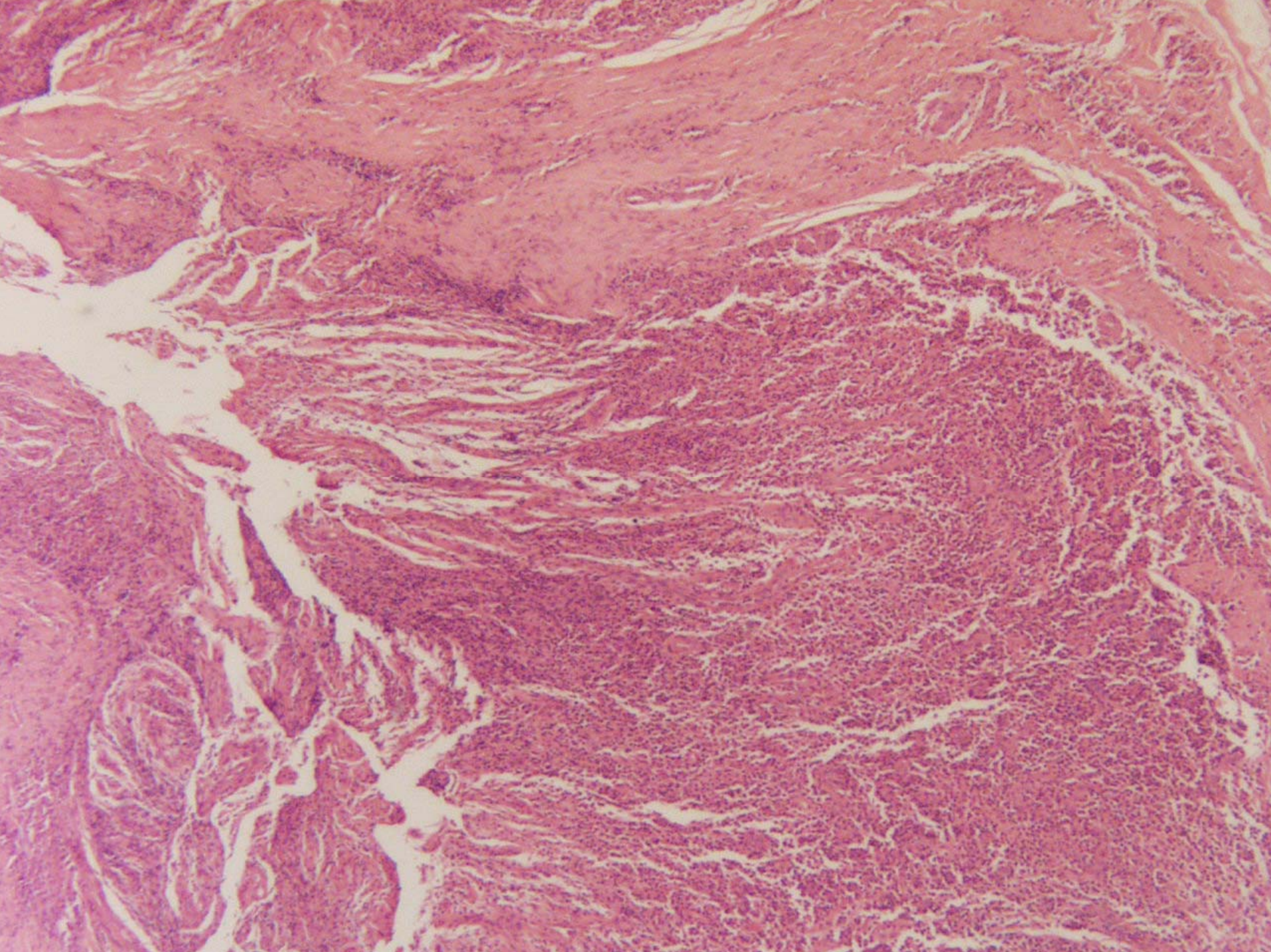


# Histopathology

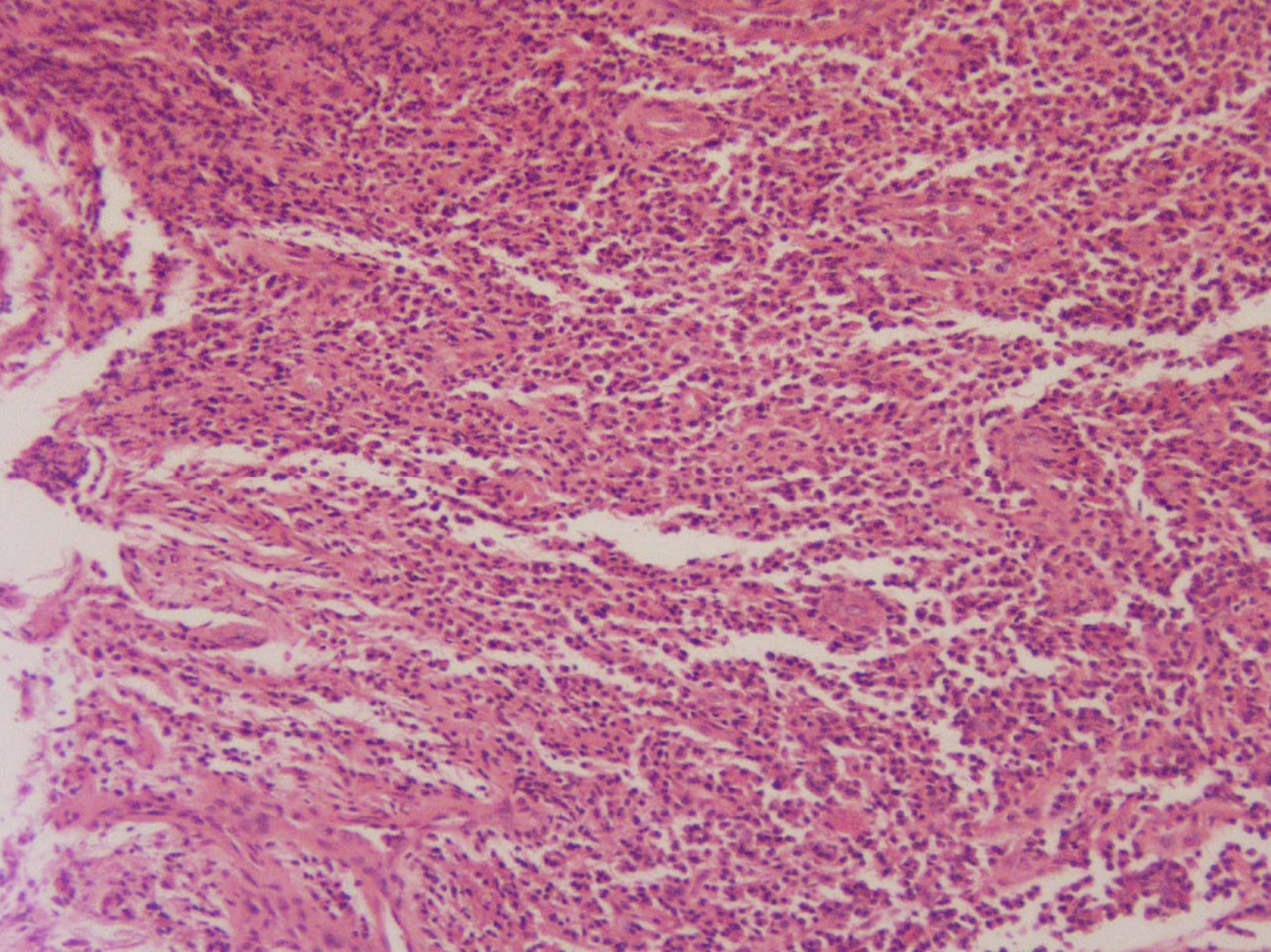


- Diffuse infiltrate of histiocytes (soap-bubble)
- Minimal inflammatory response
- Rarely granulomas
- PAS+
- Mucicarmine+
- India ink+

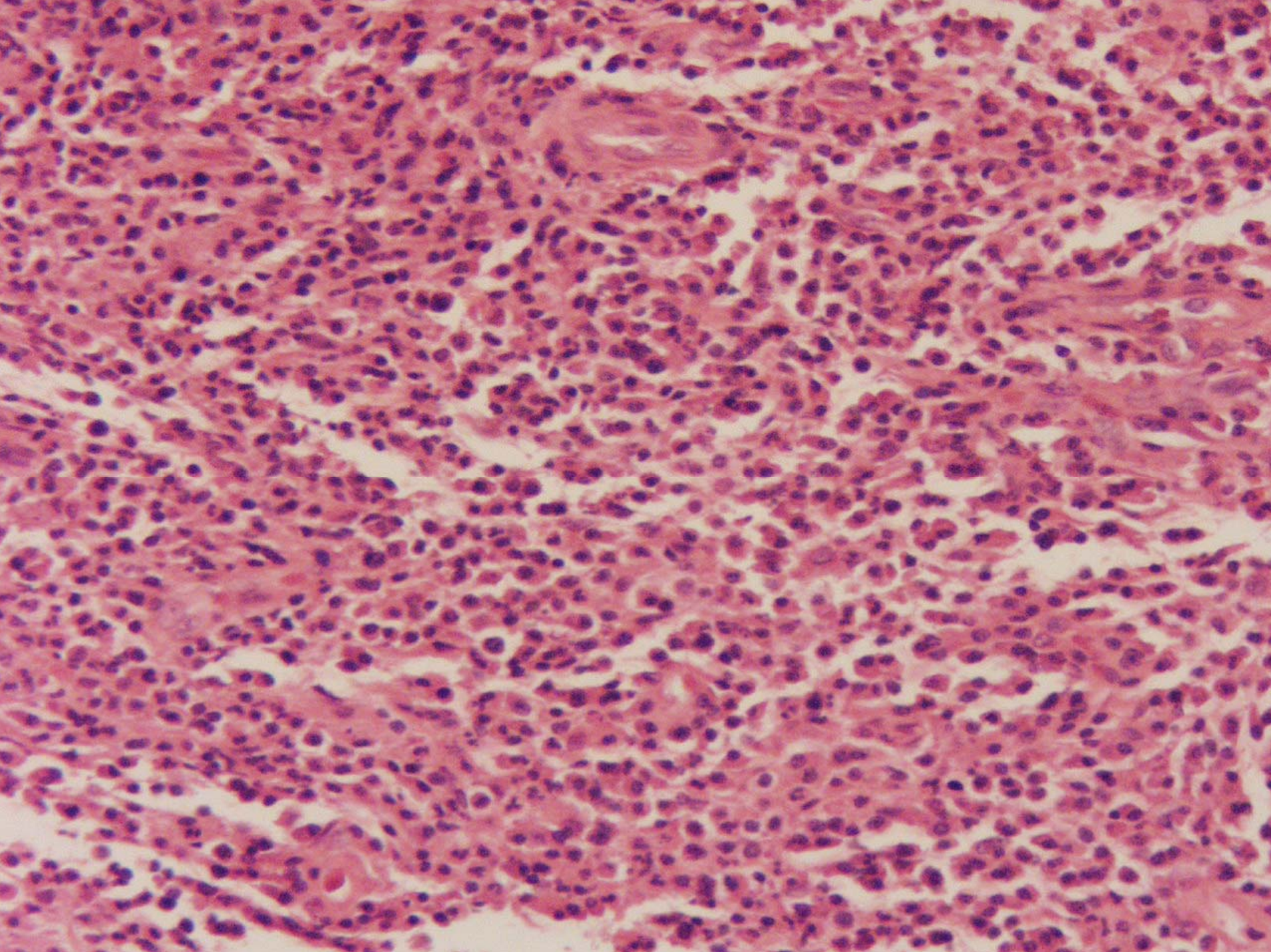




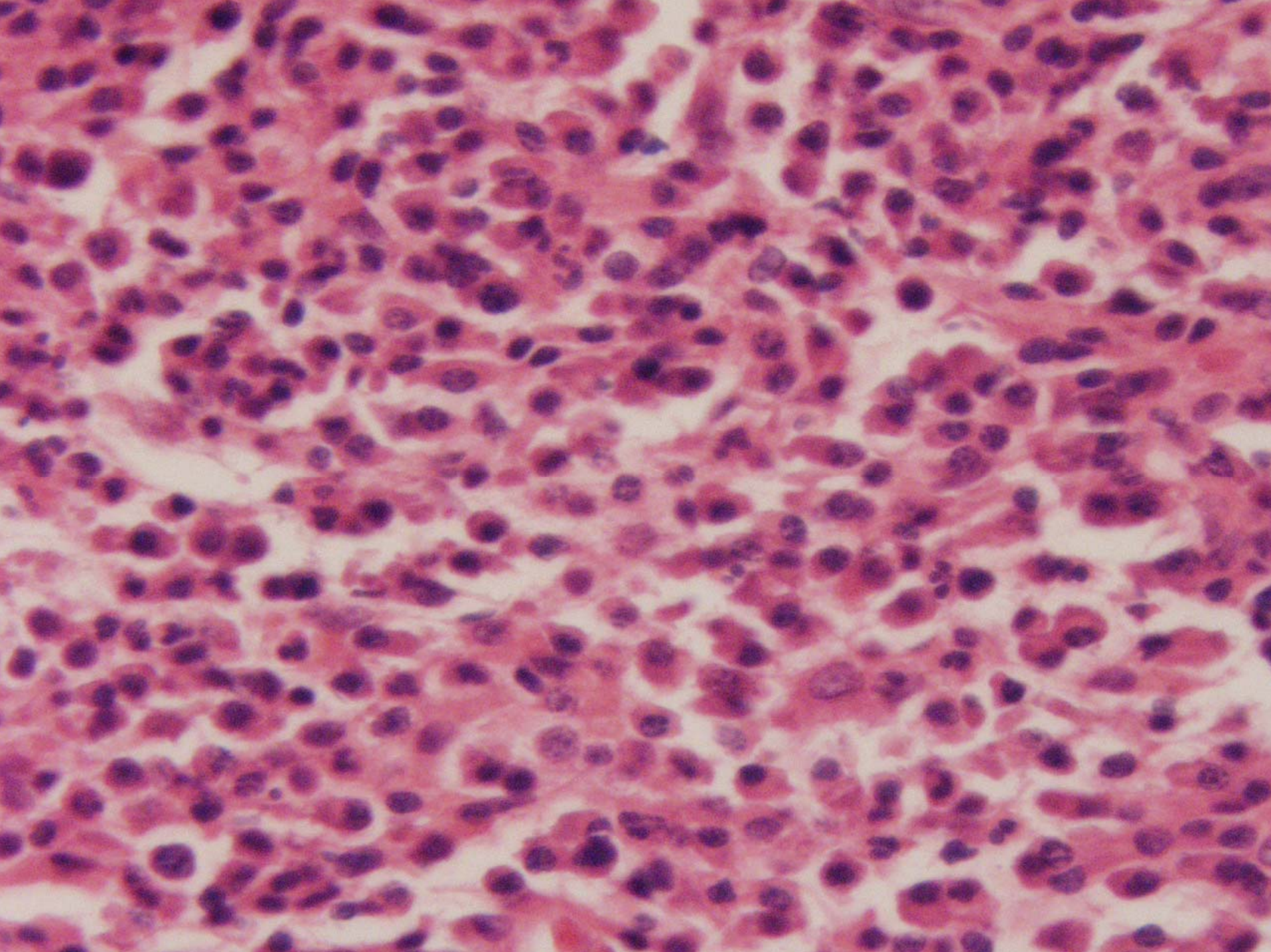




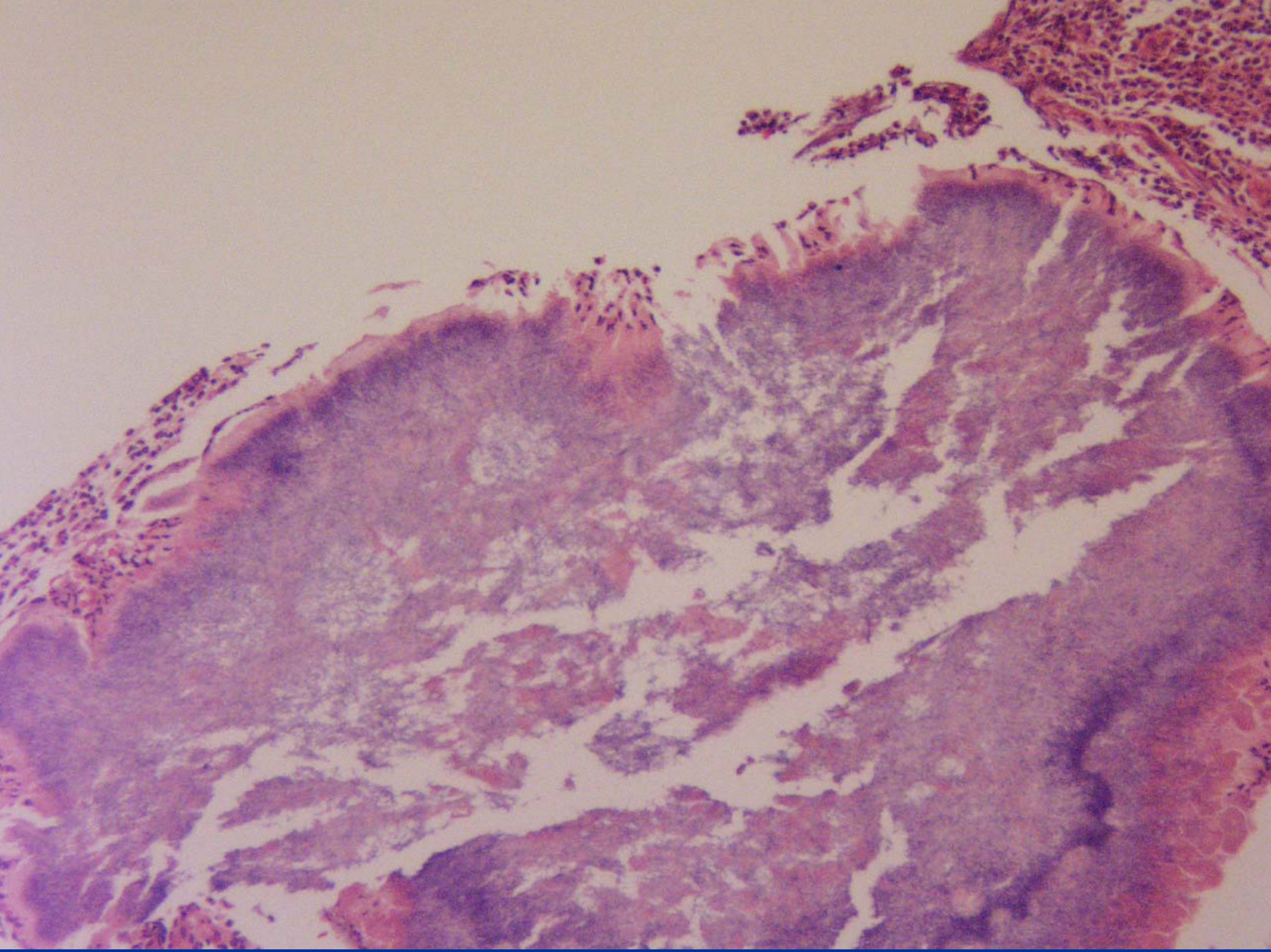




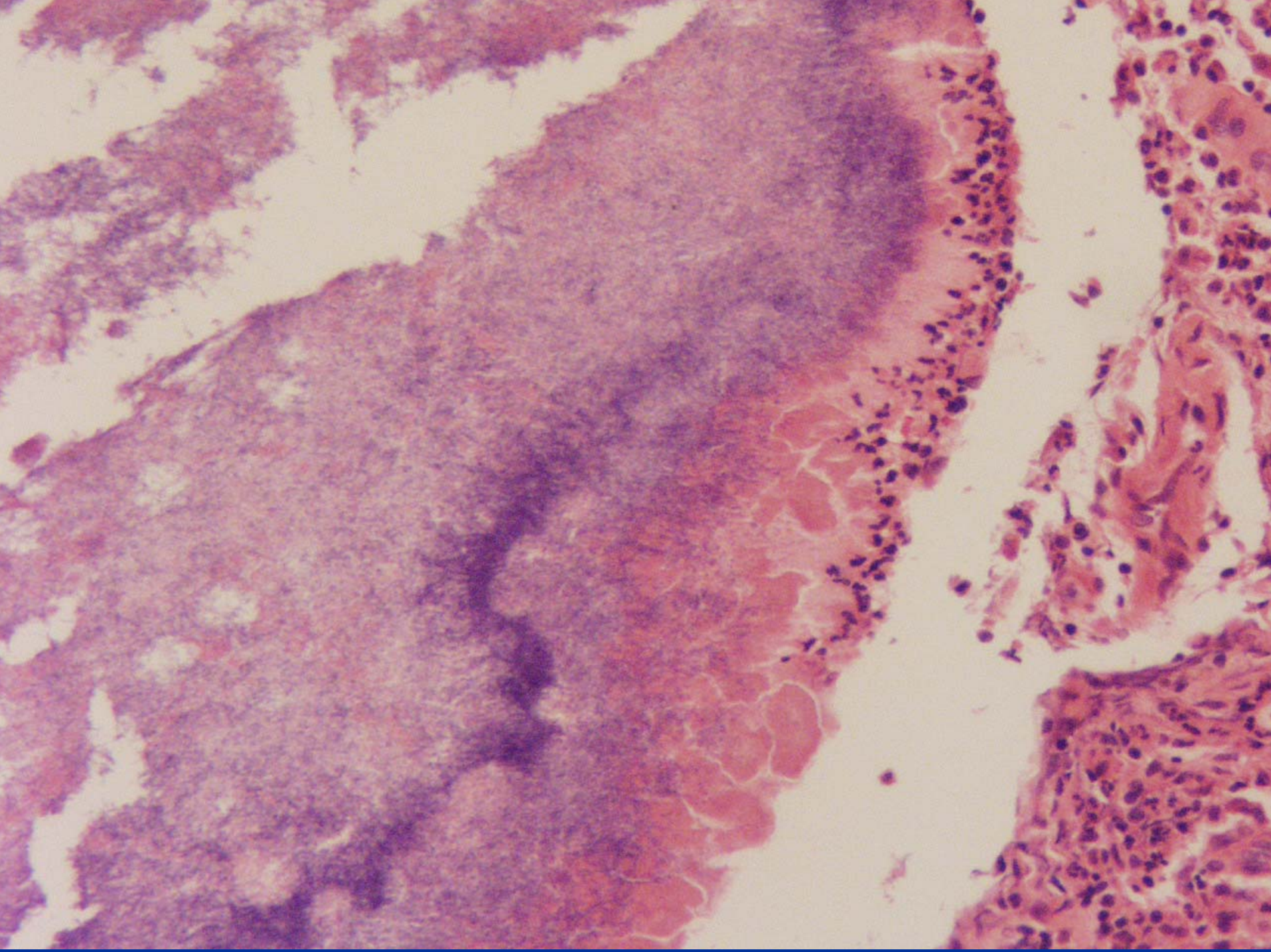




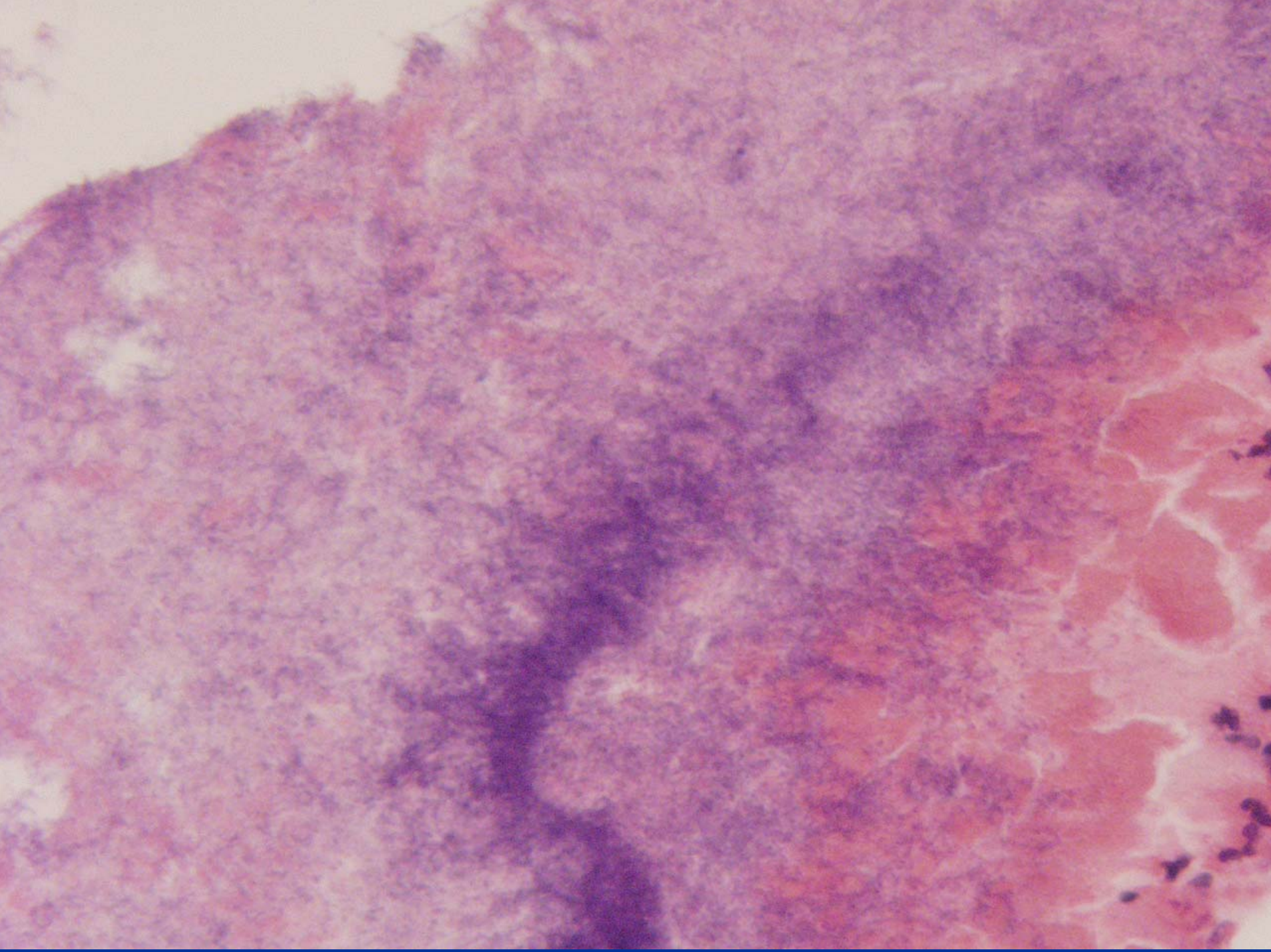








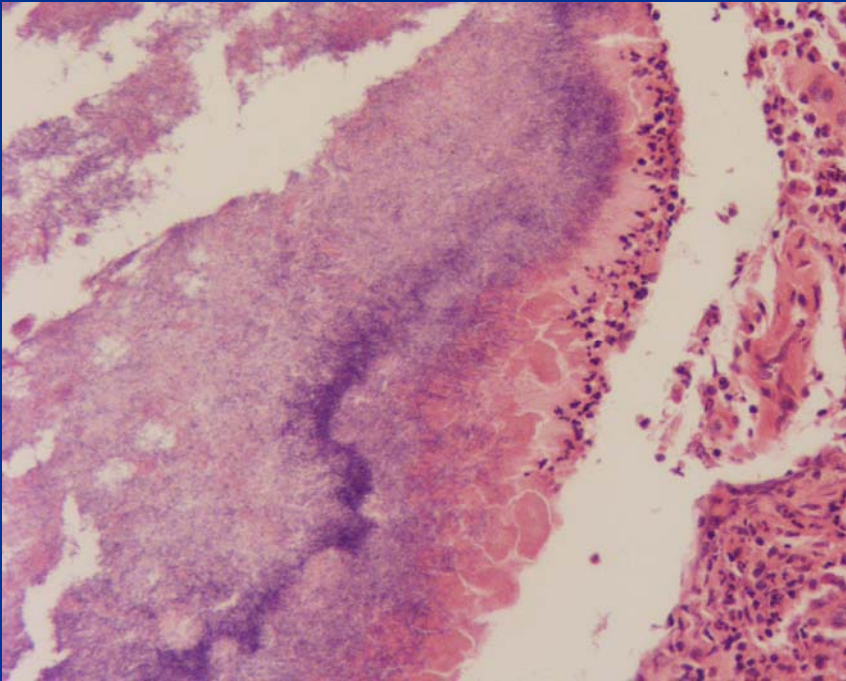






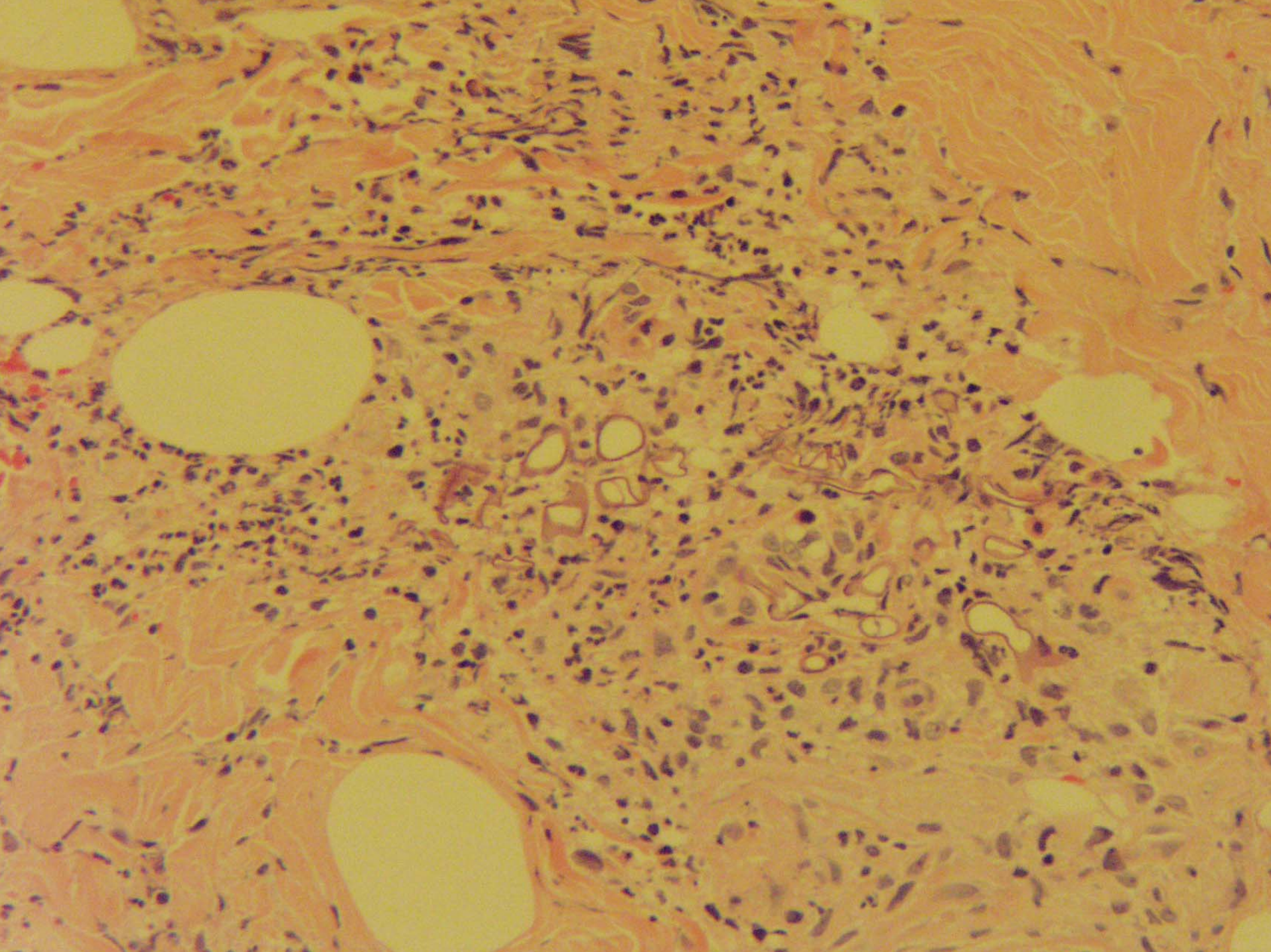
# Actinomyces (Madura Foot)

# Histopathology

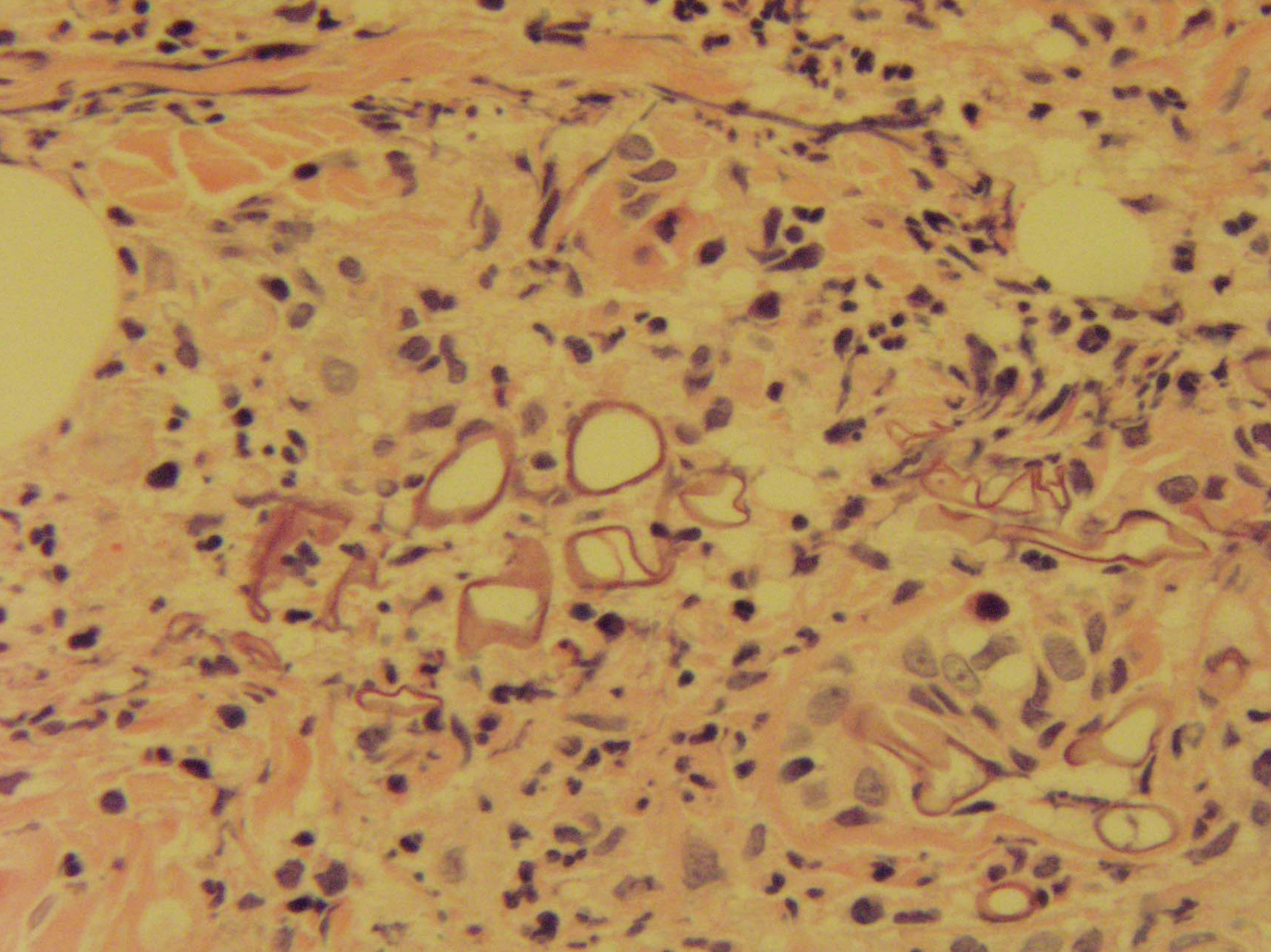


- Abscess
- May have poorly defined granulomas
- Sulphur granules
- GMS/PAS+
- Gram+
- AFB negative

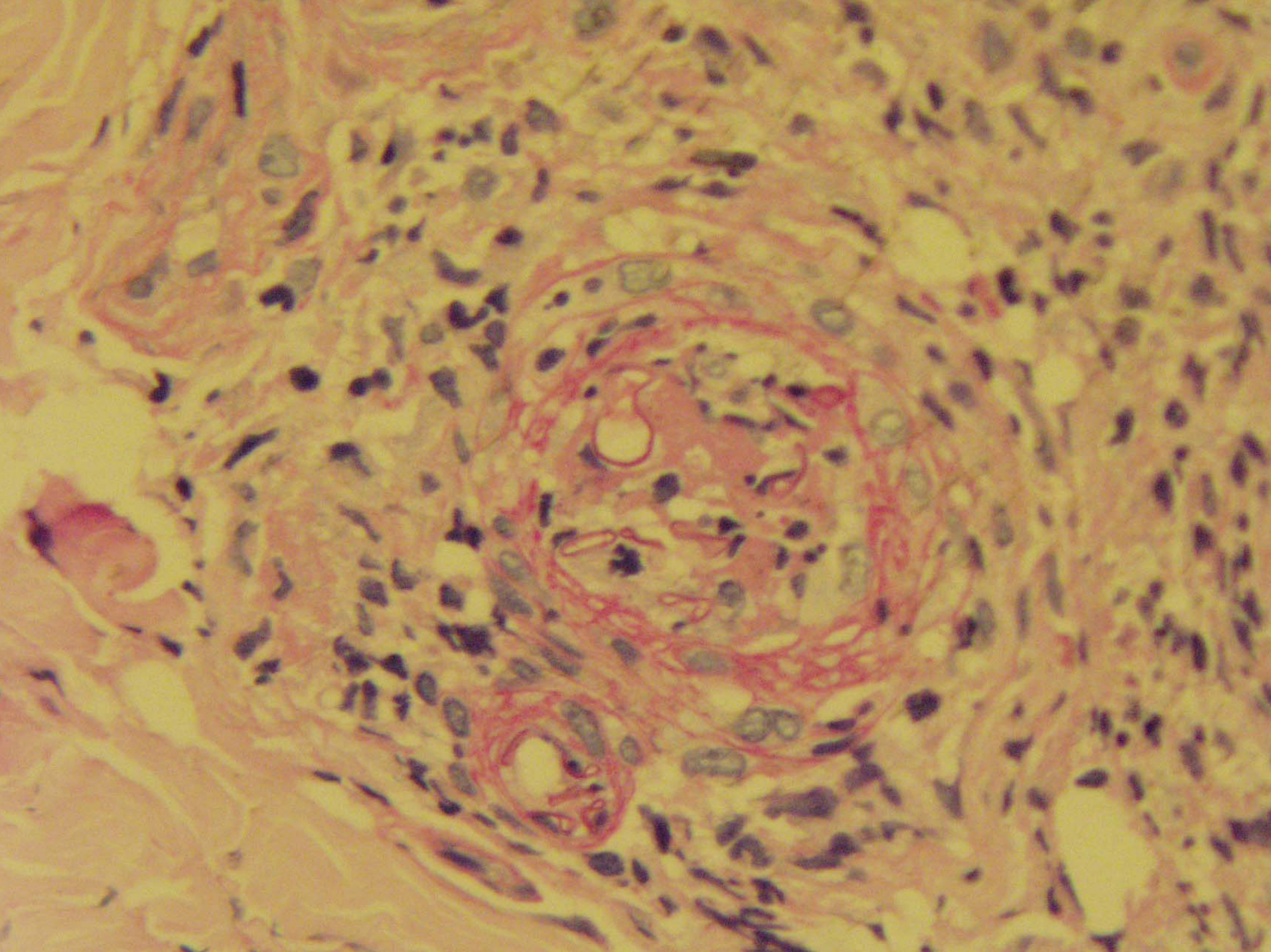








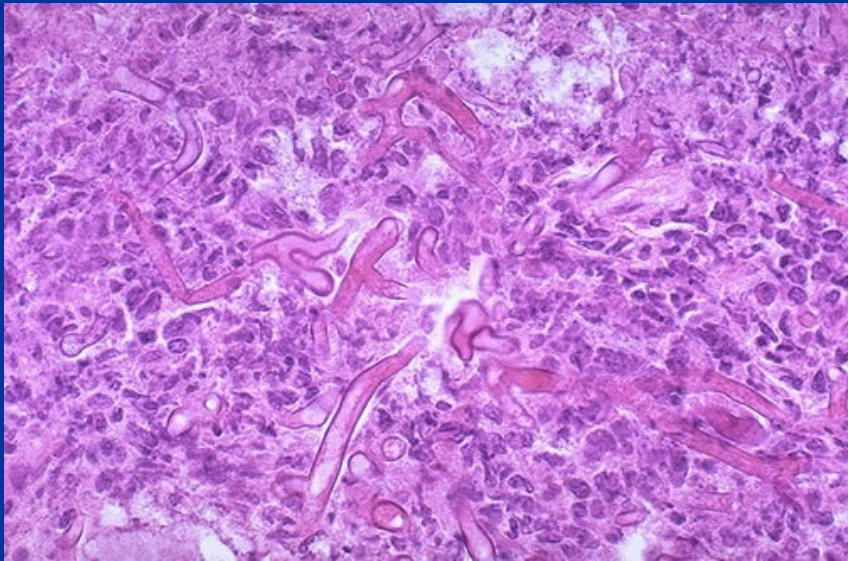




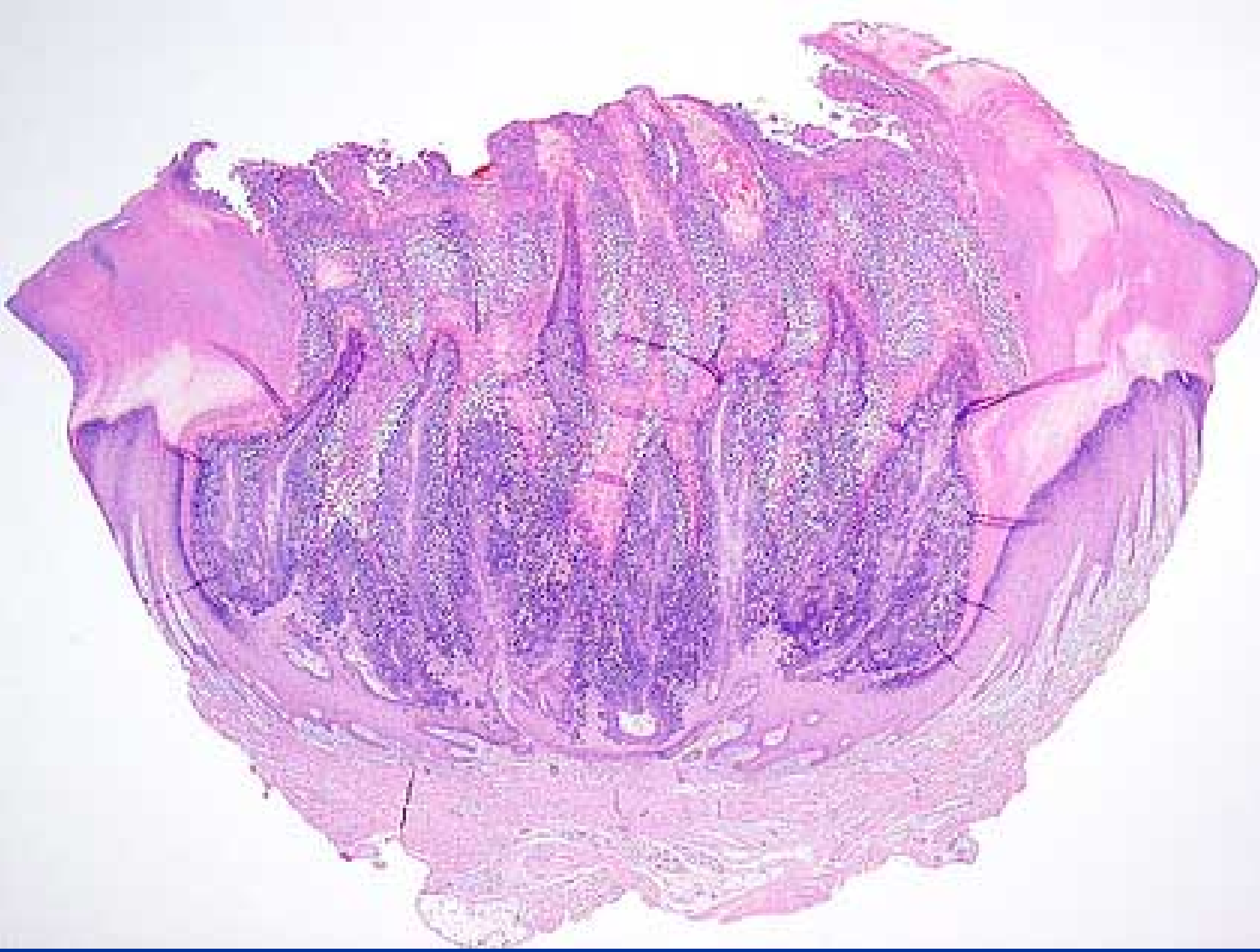
# Mucormycosis



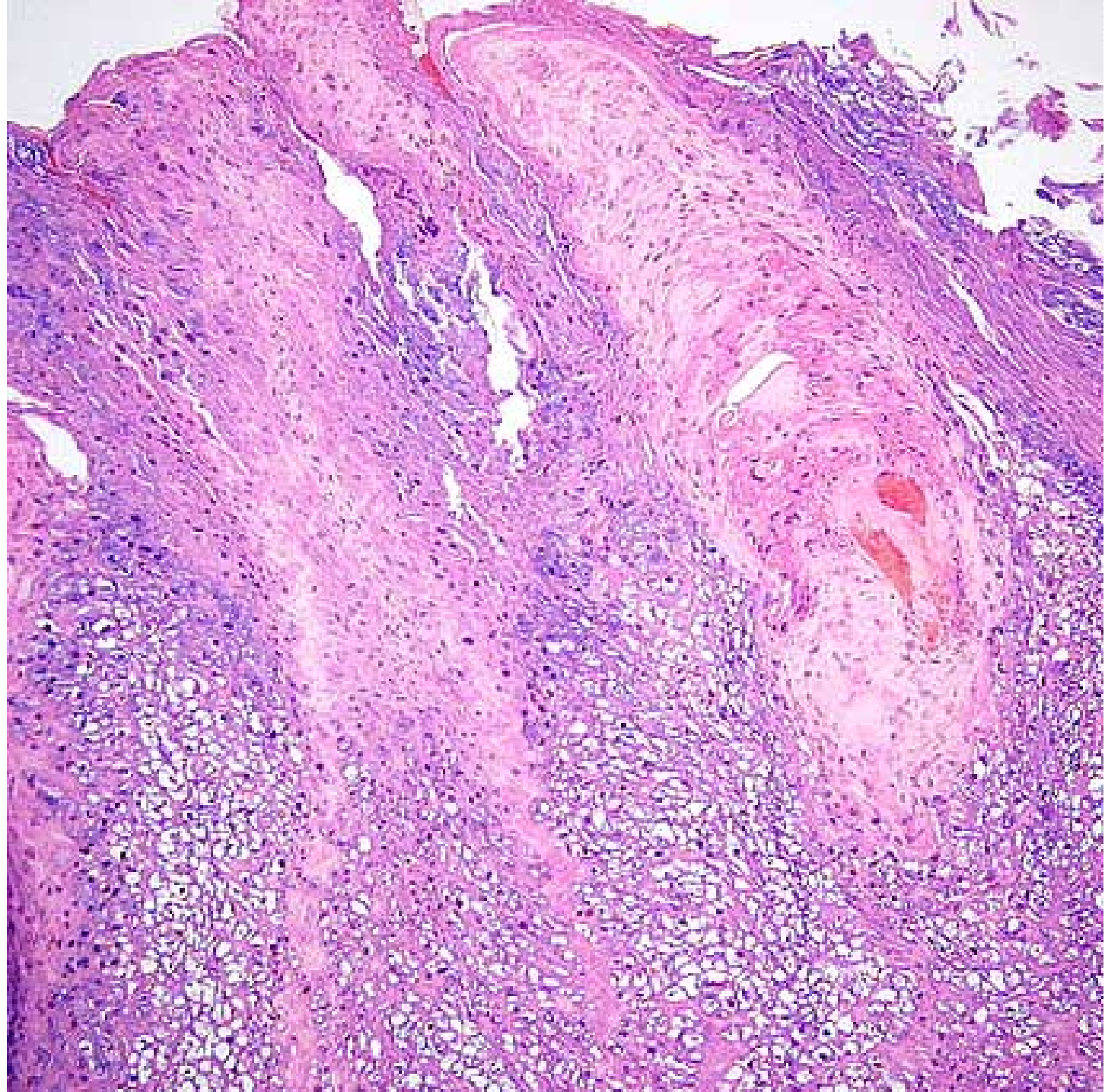
# Histopathology

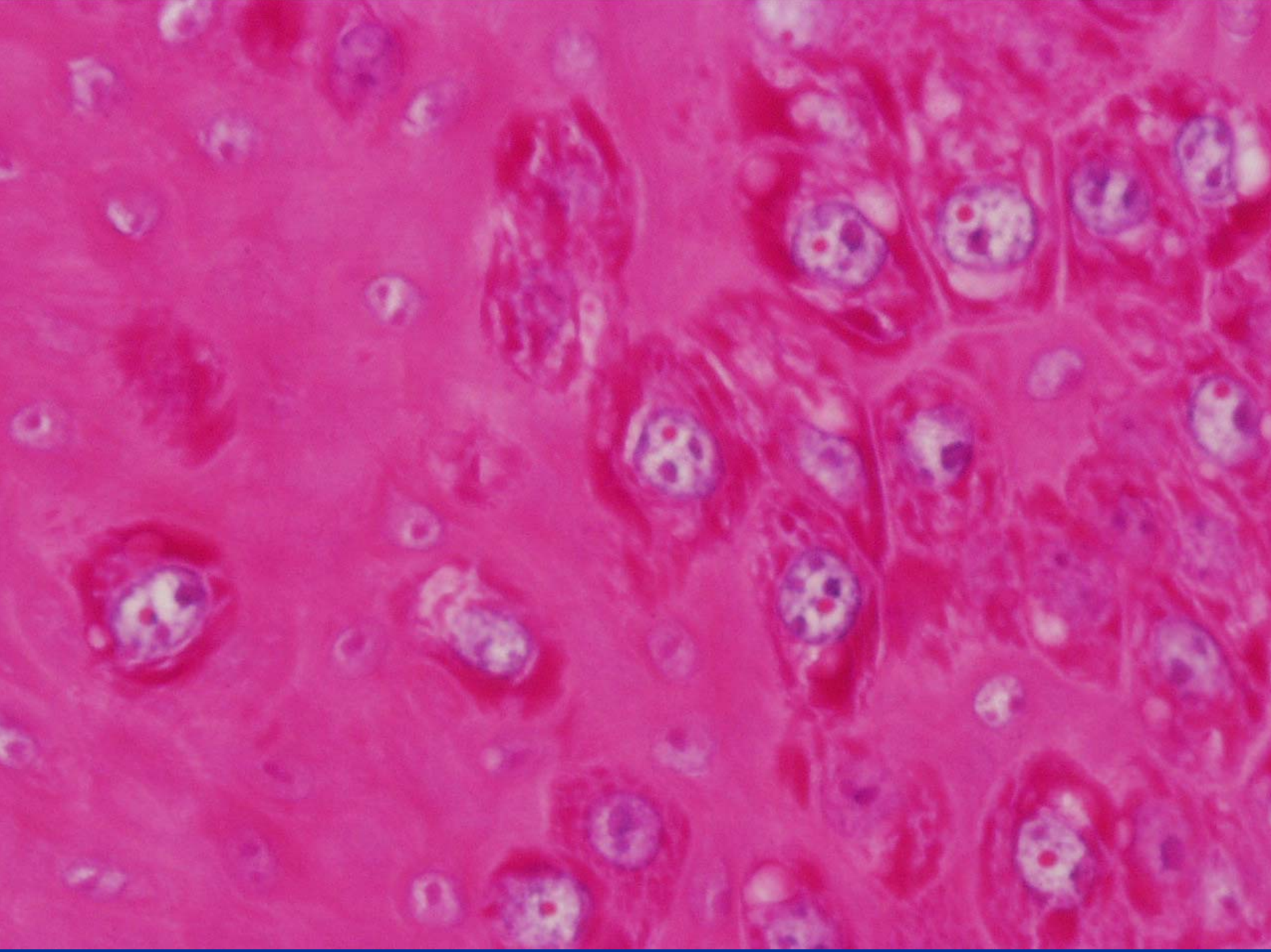


- Cell poor inflammatory infiltrate
- Hyphae with broad branching septa
- Vascular invasive





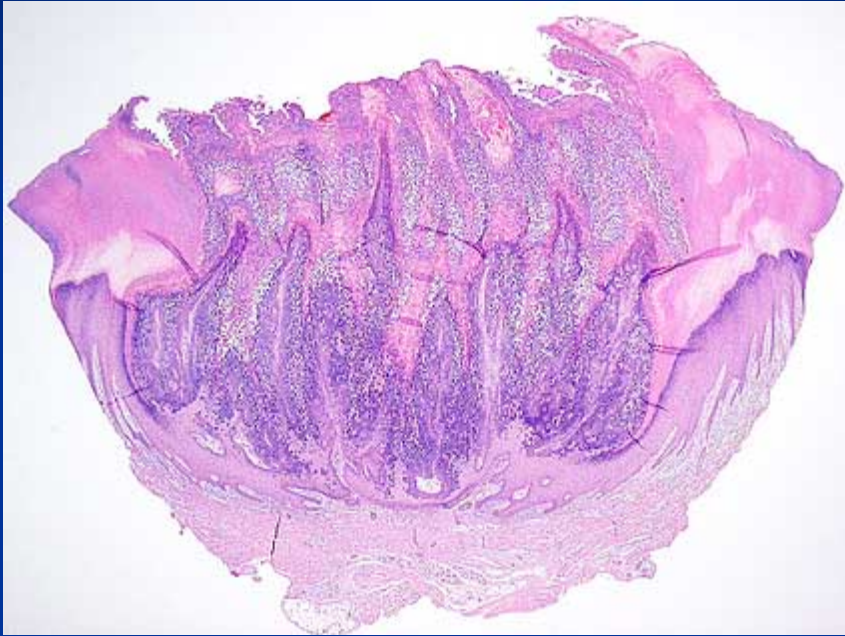






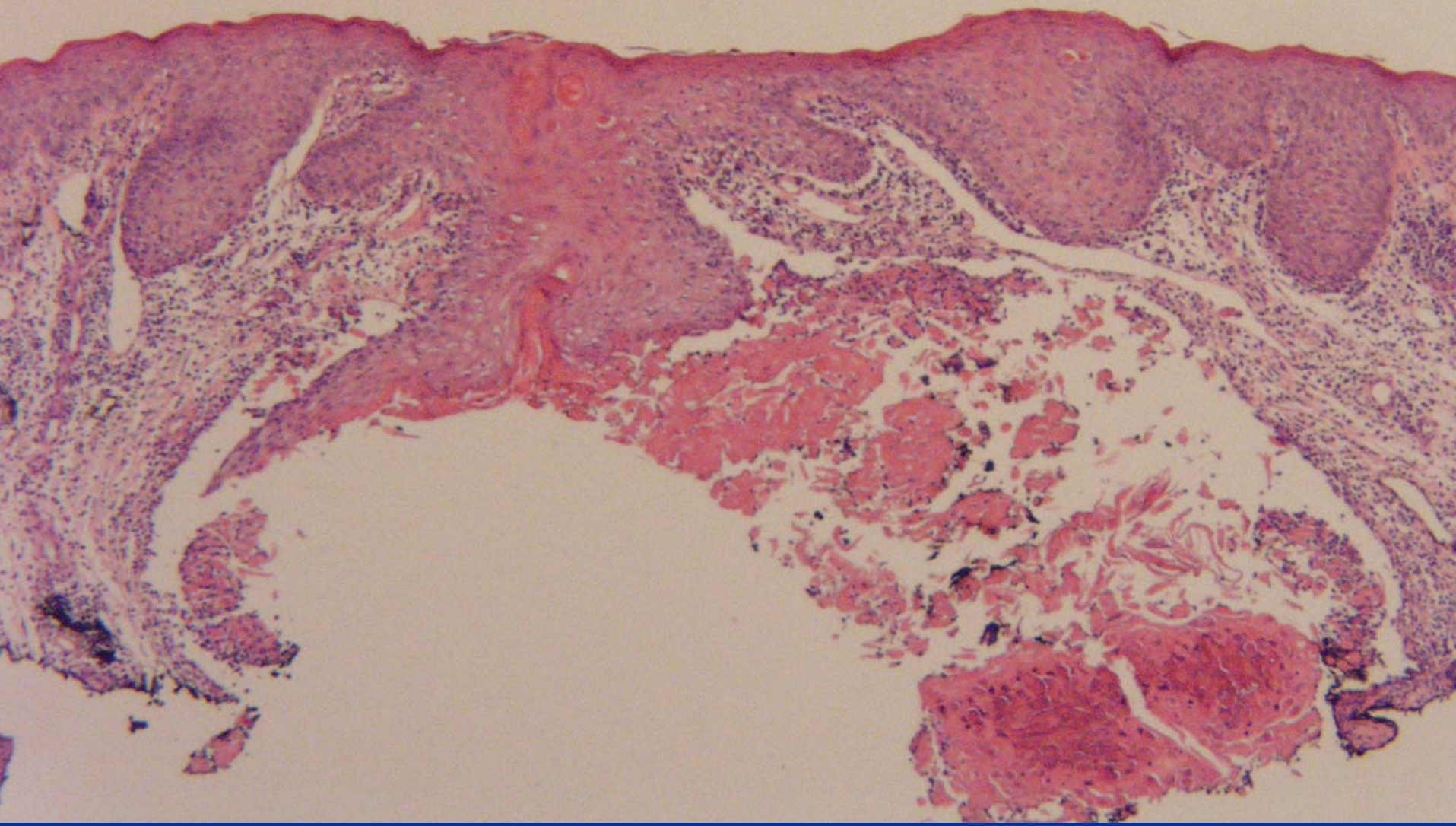
# Myrmecia

# Histopathology

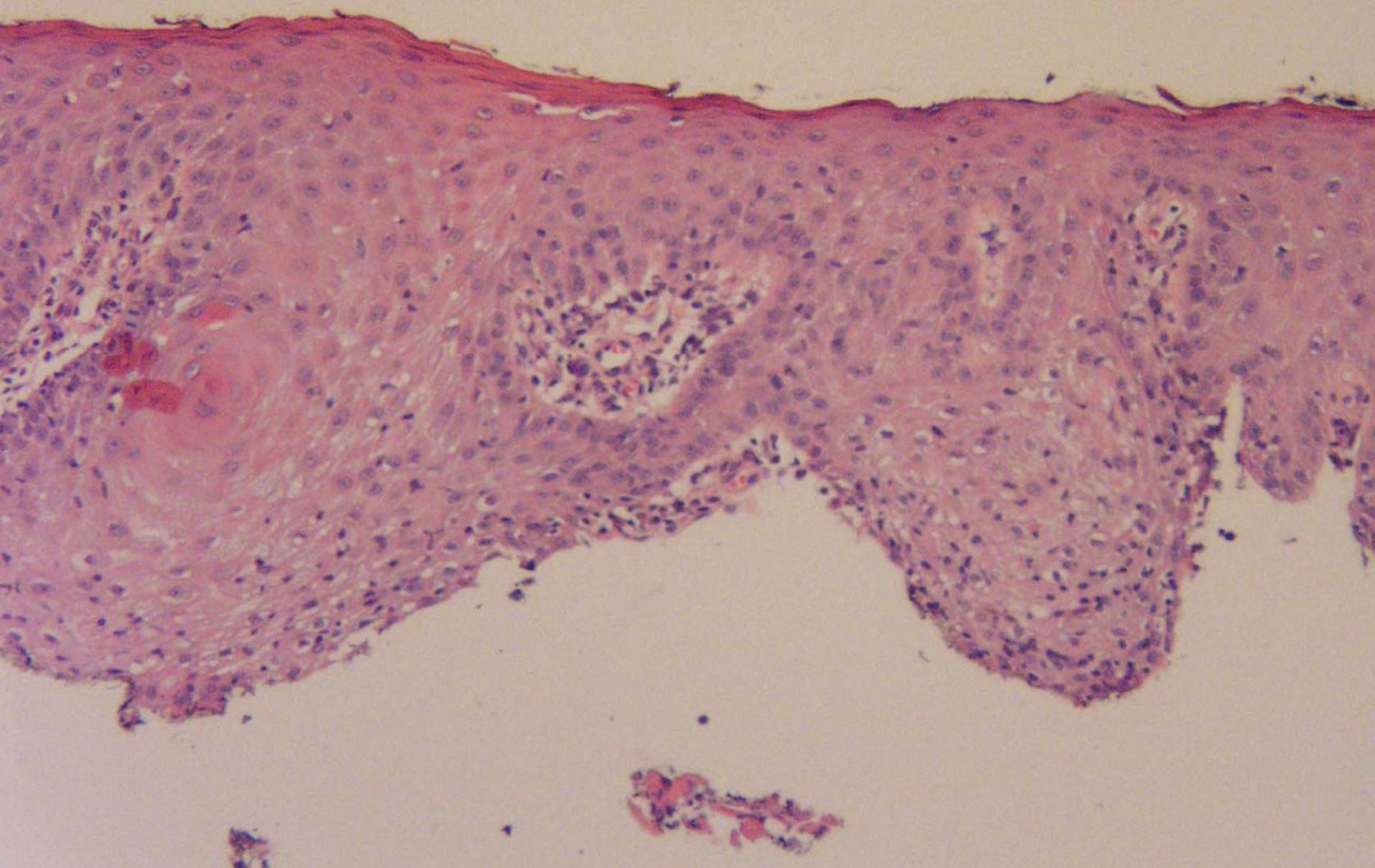


- Verruciform architecture
- Inward bending of rete ridges
- Nuclear inclusions

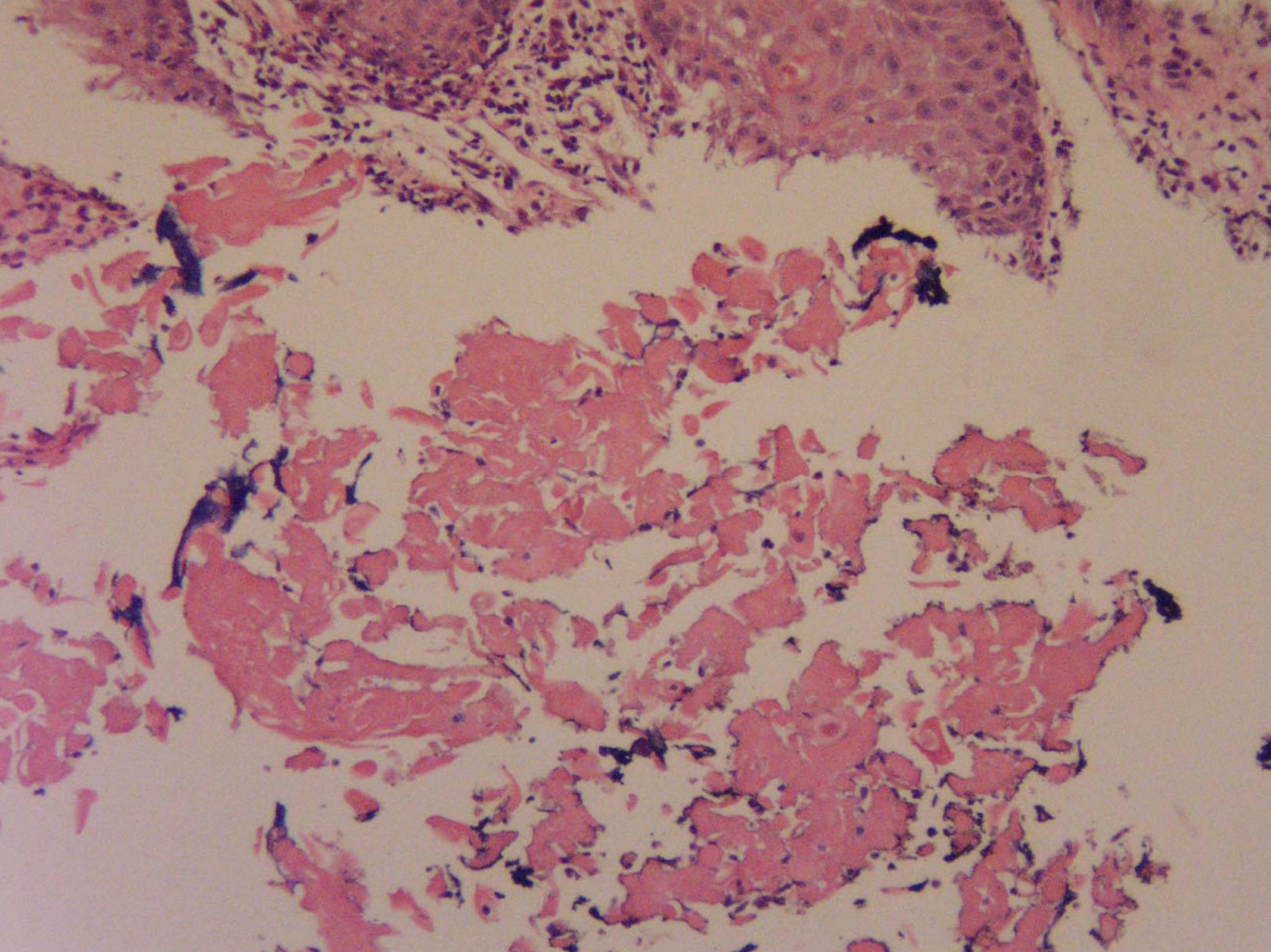




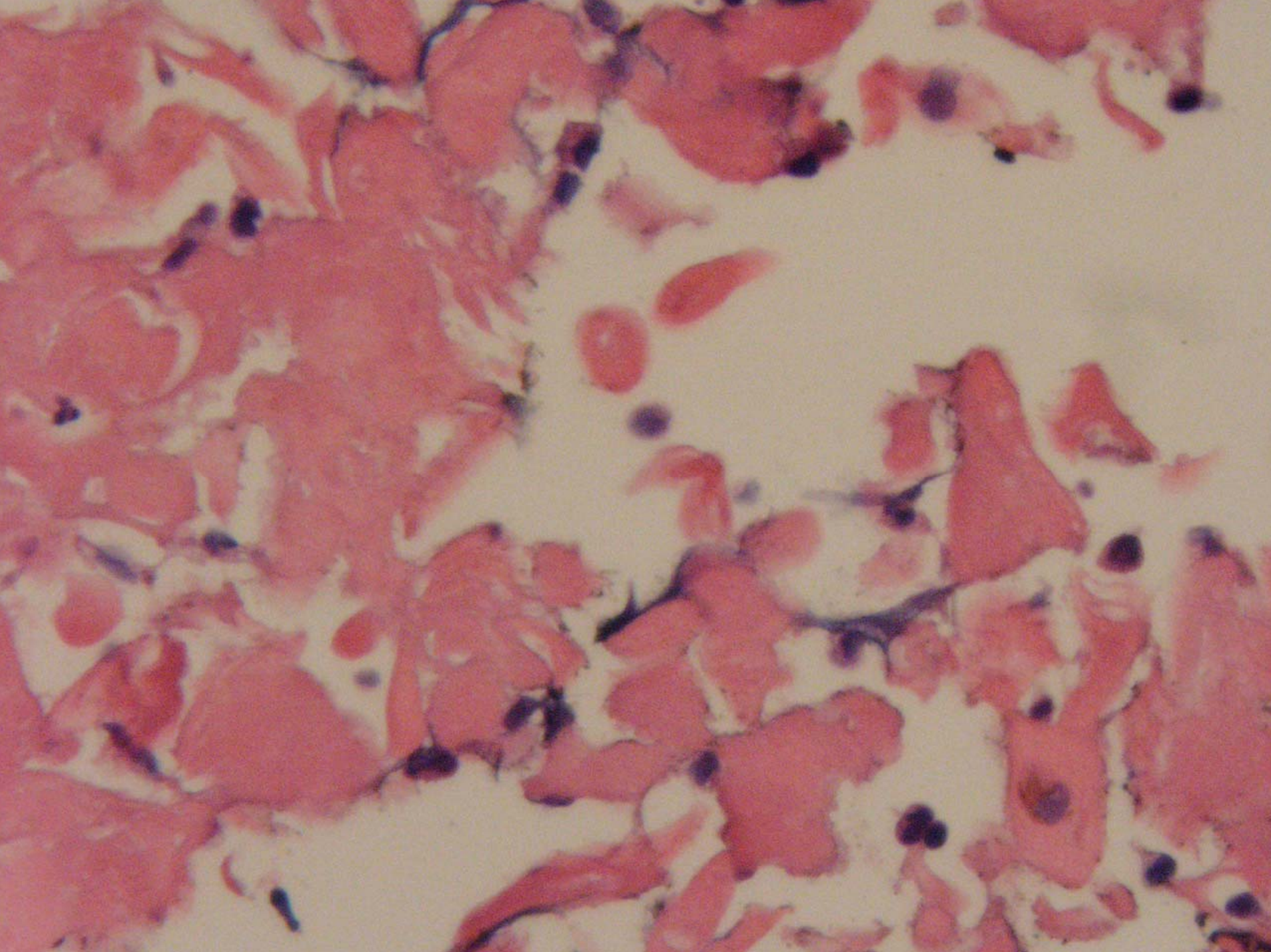




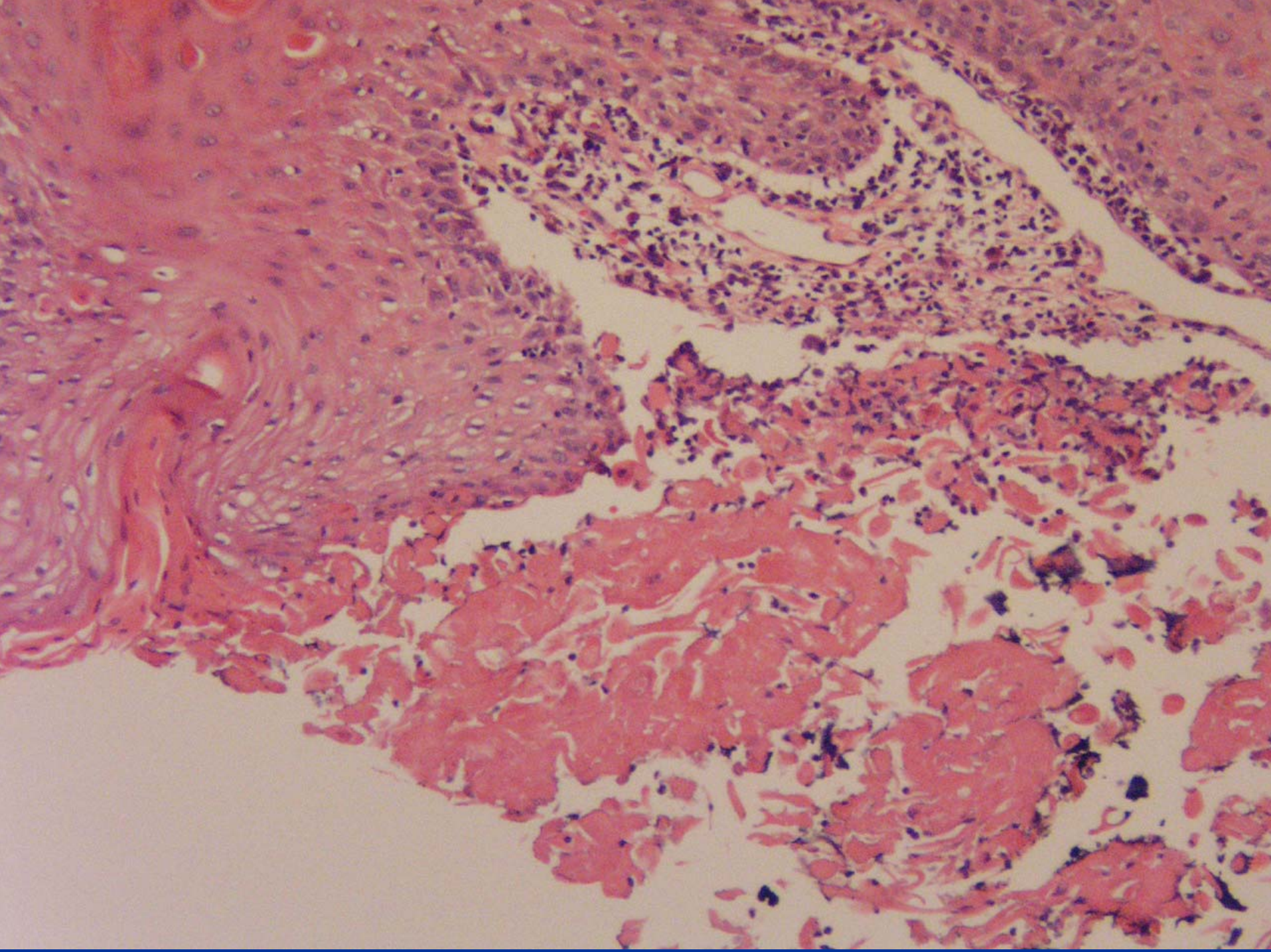




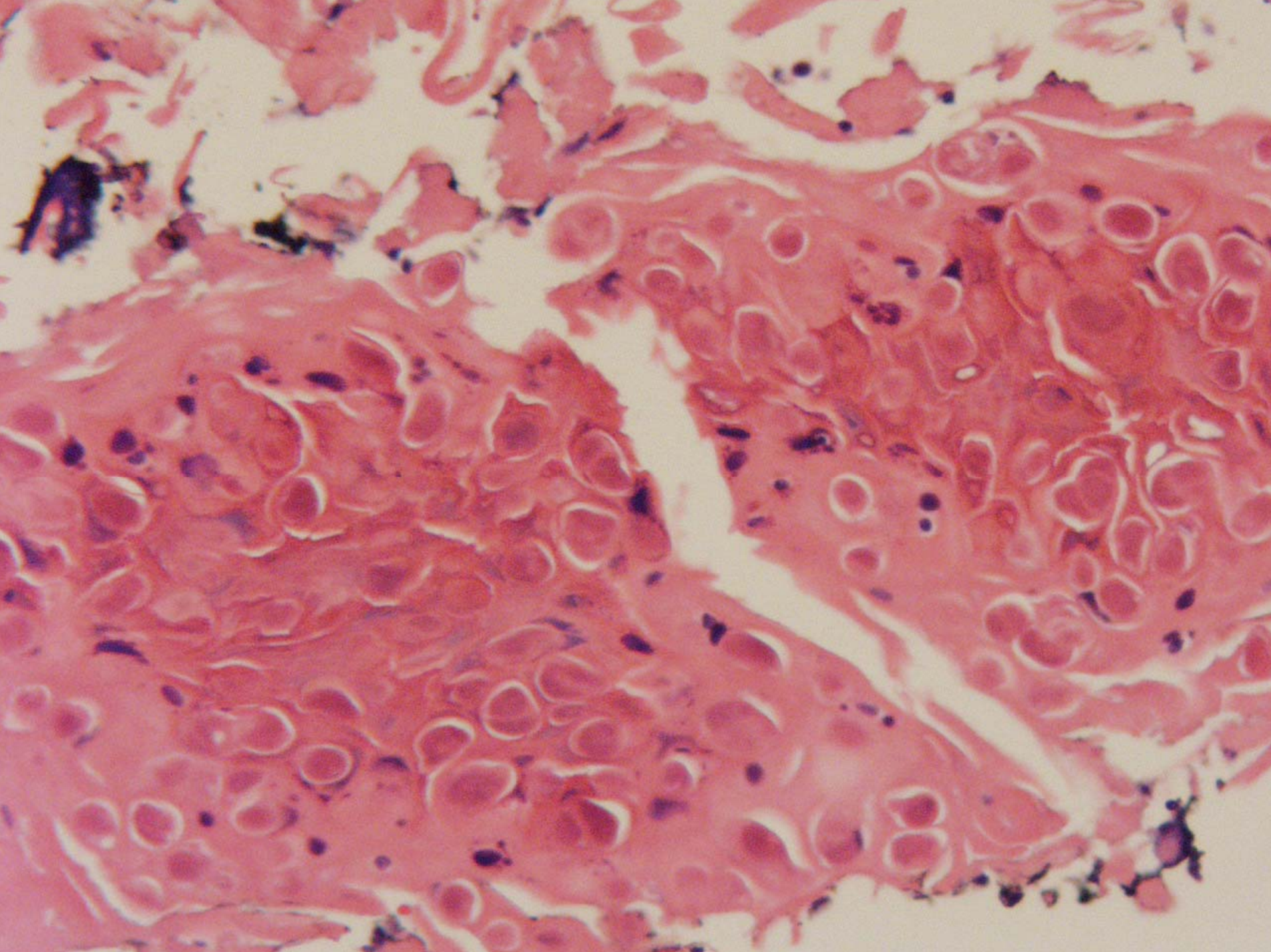




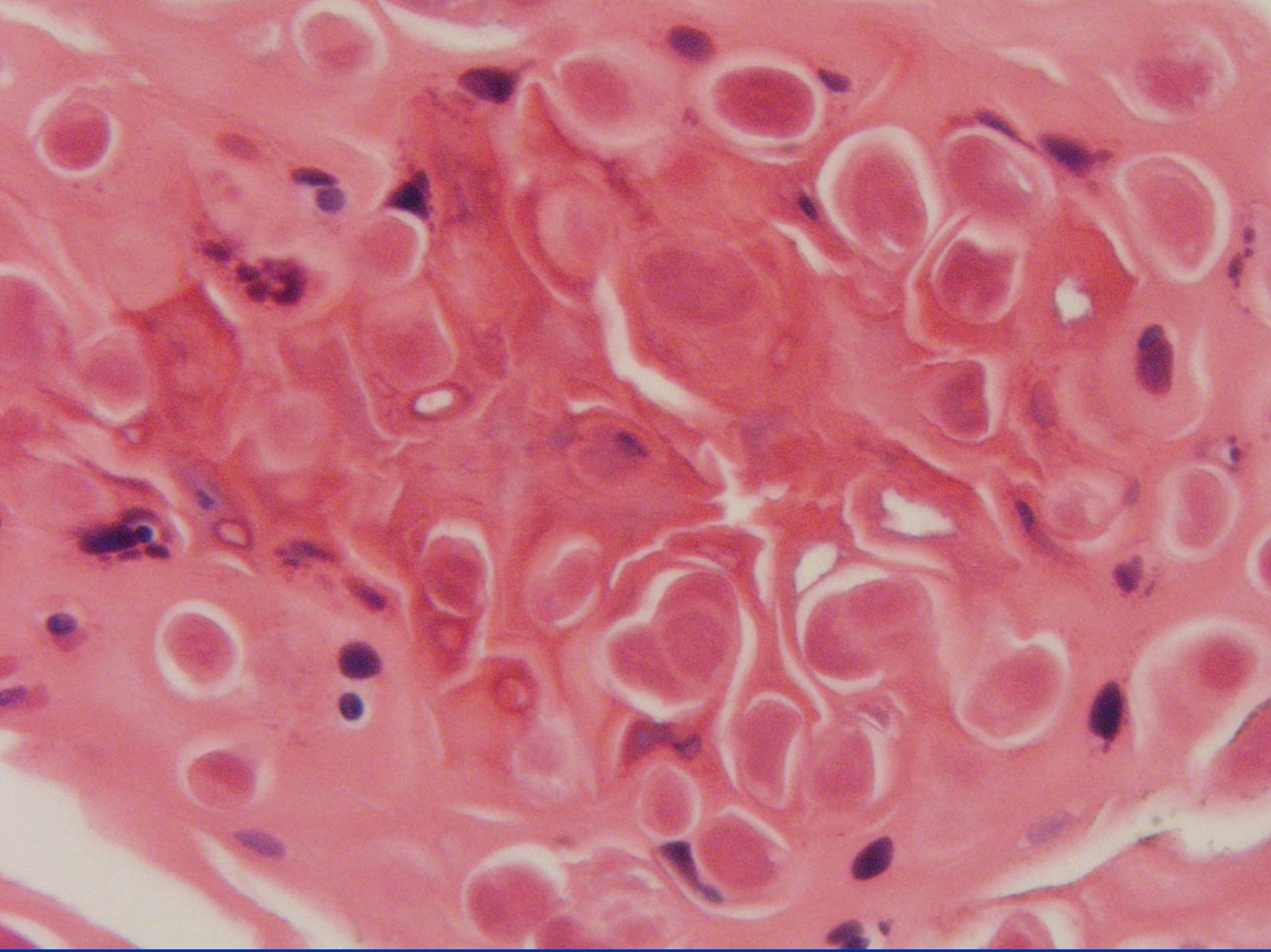








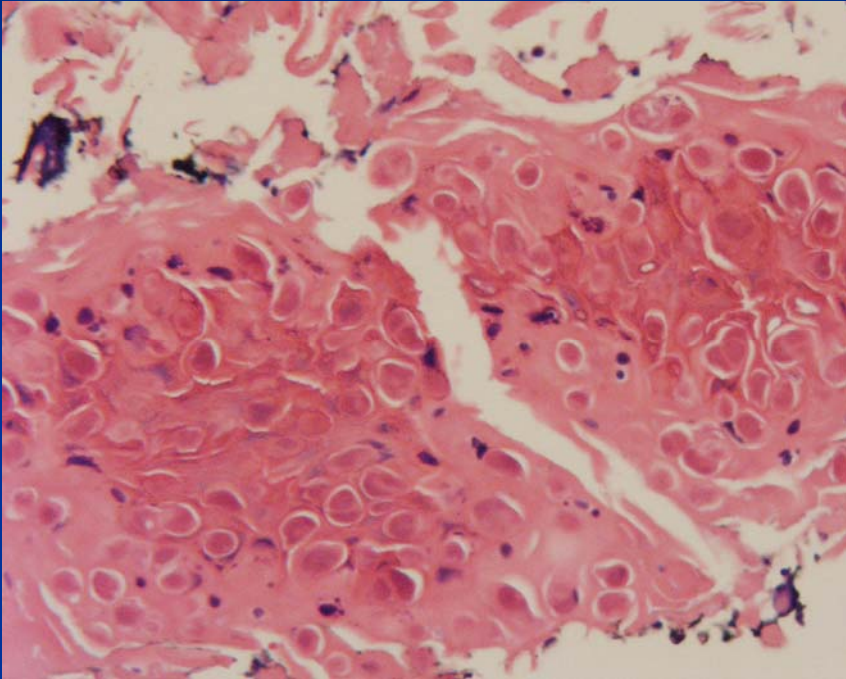




# Molluscum Contagiosum



# Histopathology



- Characteristic cytoplasmic inclusions
- Beware numerous and odd tissue reactions