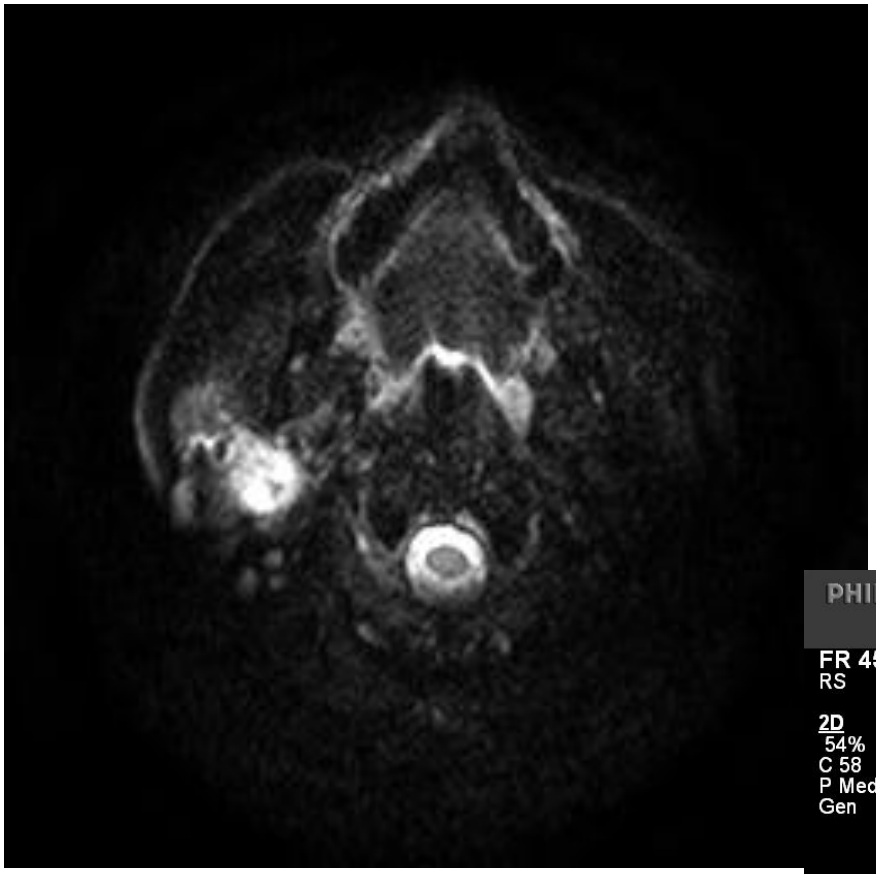
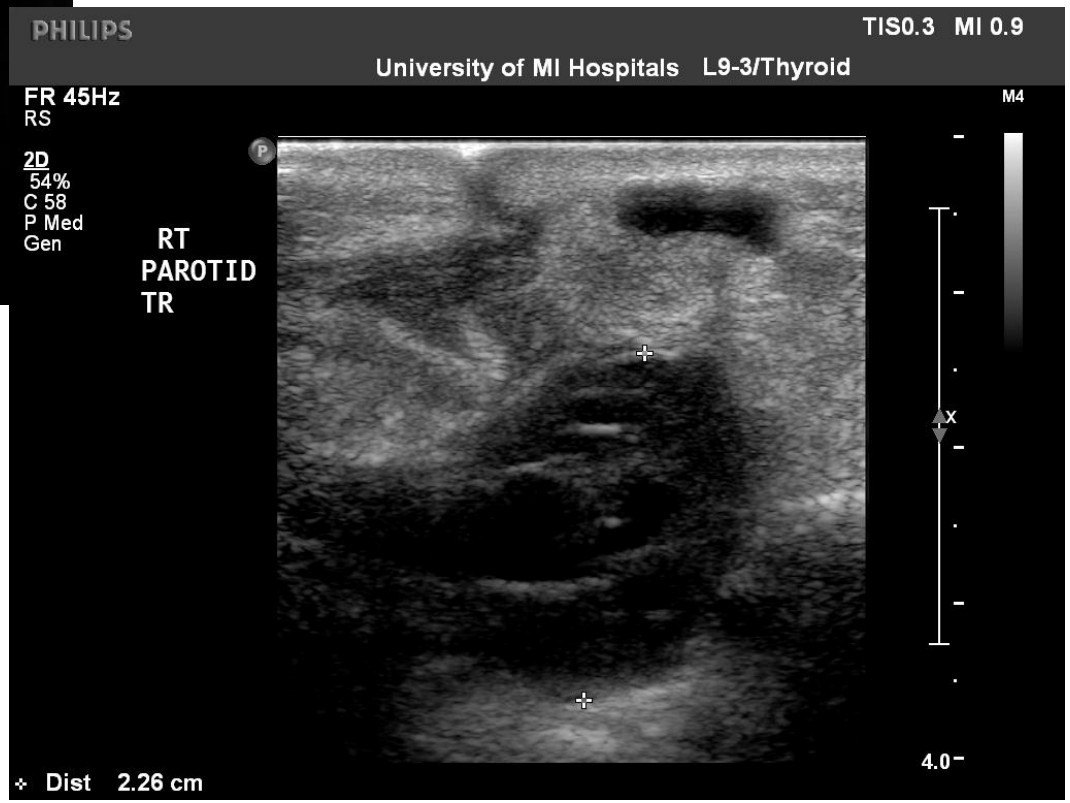
Interesting Case Conference

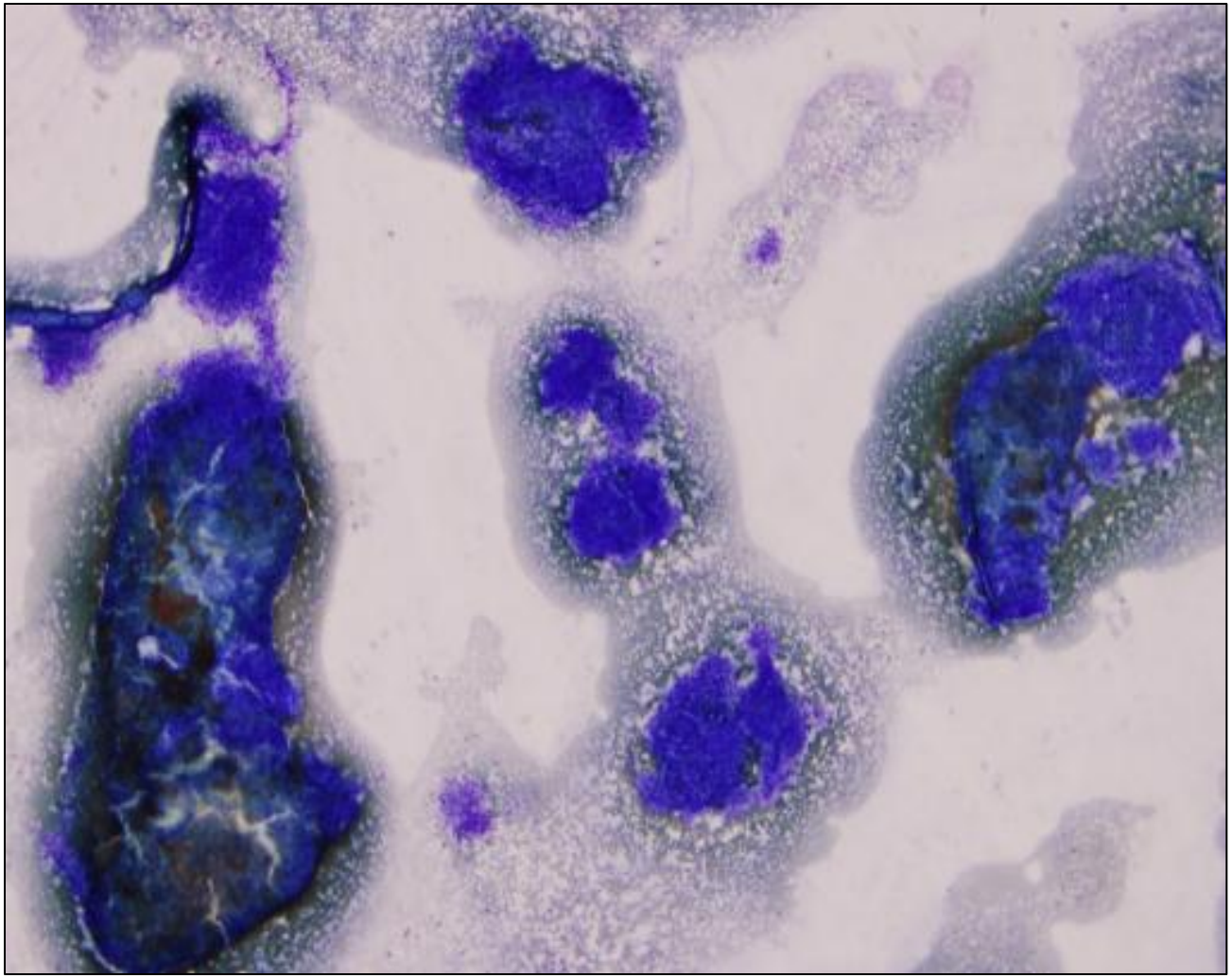
Hx

- 52 yo Female
- Recent surgery for a parotid mass at an OSH
  - “Facial nerve neuroma”
- Now presents with a recurrent “parotid mass”
- MRI:
  - Heterogeneous 3.6 x 3.6 x 1.9 cm
  - Multiple enhancing cystic areas
  - Extension into mastoid nerve

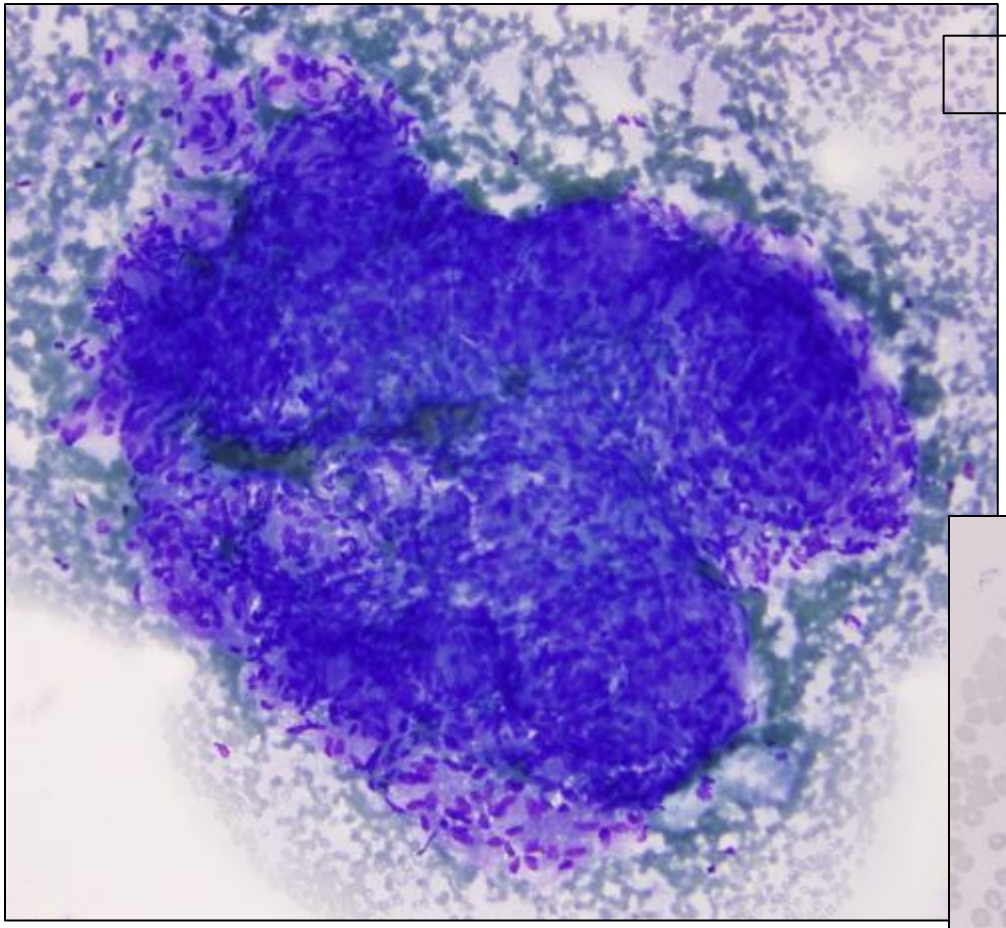



PHILIPS
TIS0.3 MI 0.9
University of MI Hospitals L9-3/Thyroid
FR 45Hz
RS
2D
54%
C 58
P Med
Gen
RT
PAROTID
TR
M4
4.0
Dist 2.26 cm

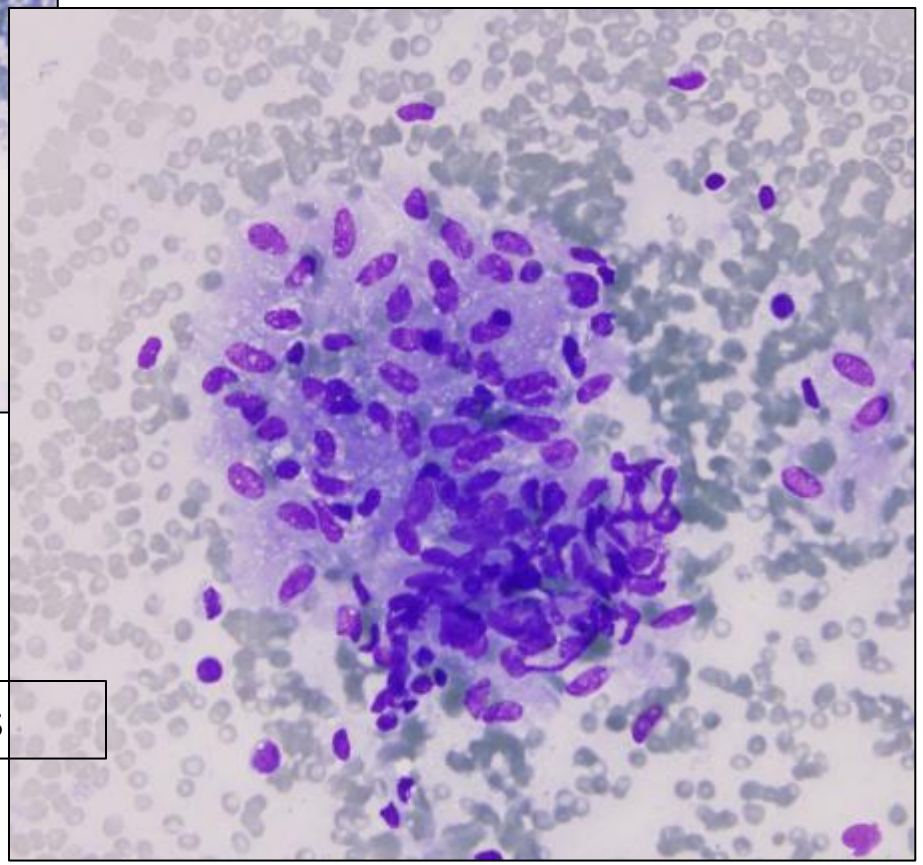
FNA in US



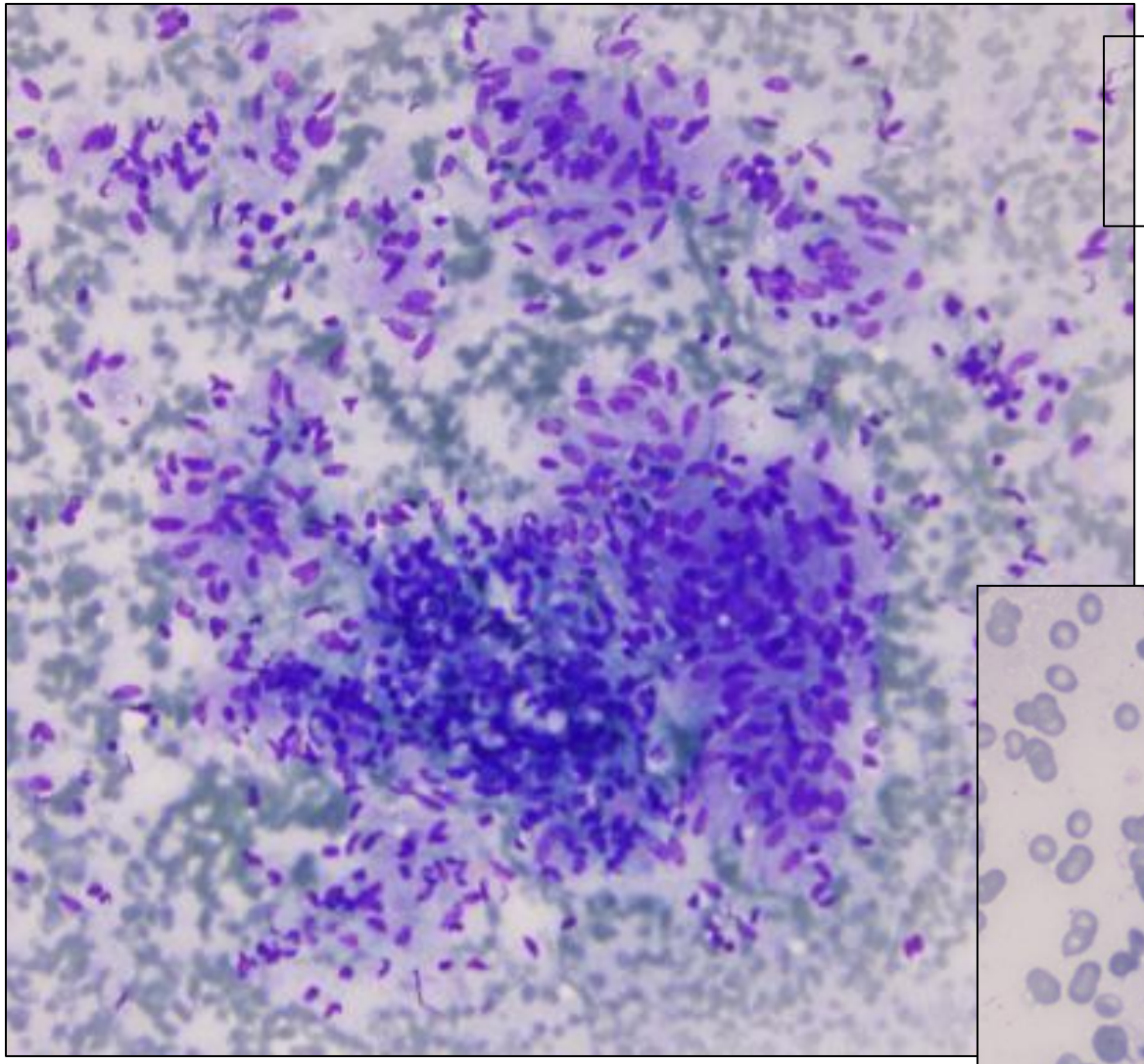
- Several passes with
- Large cohesive cell clusters
- No overt architectural pattern



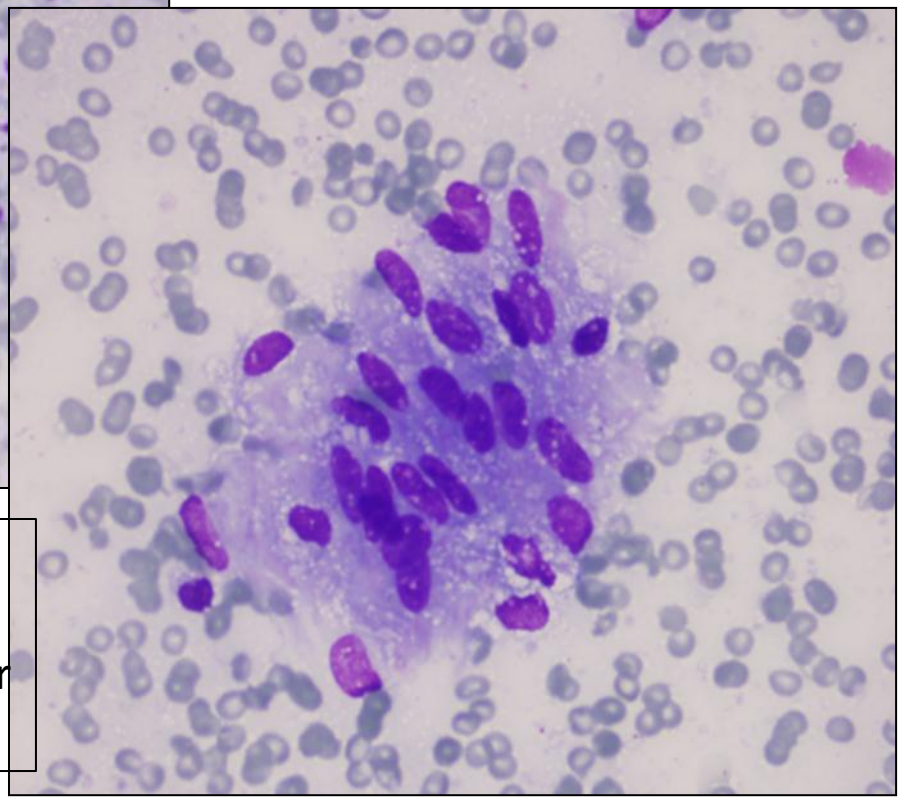
Very tight cellular groups



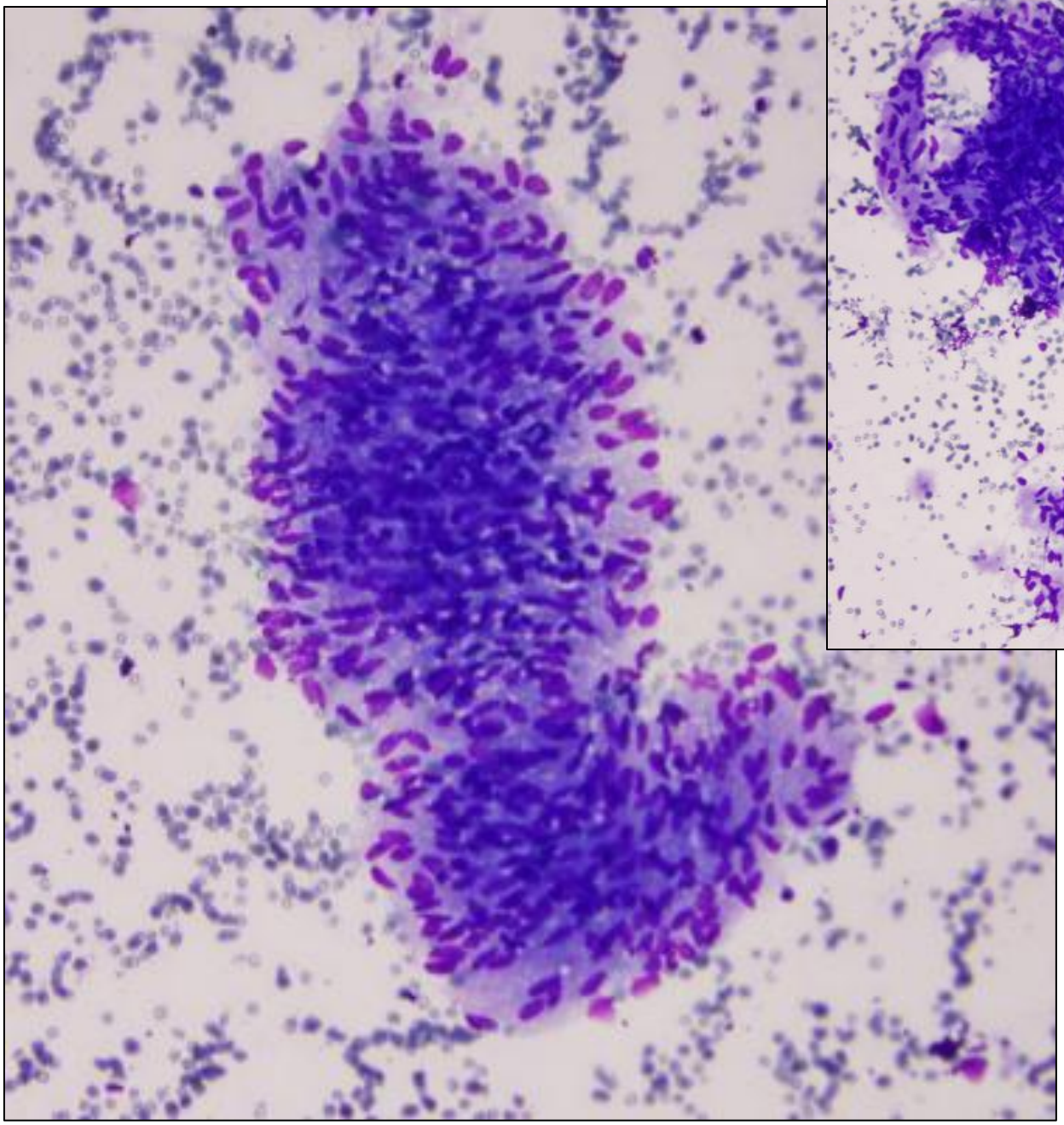
Looser cellular groups

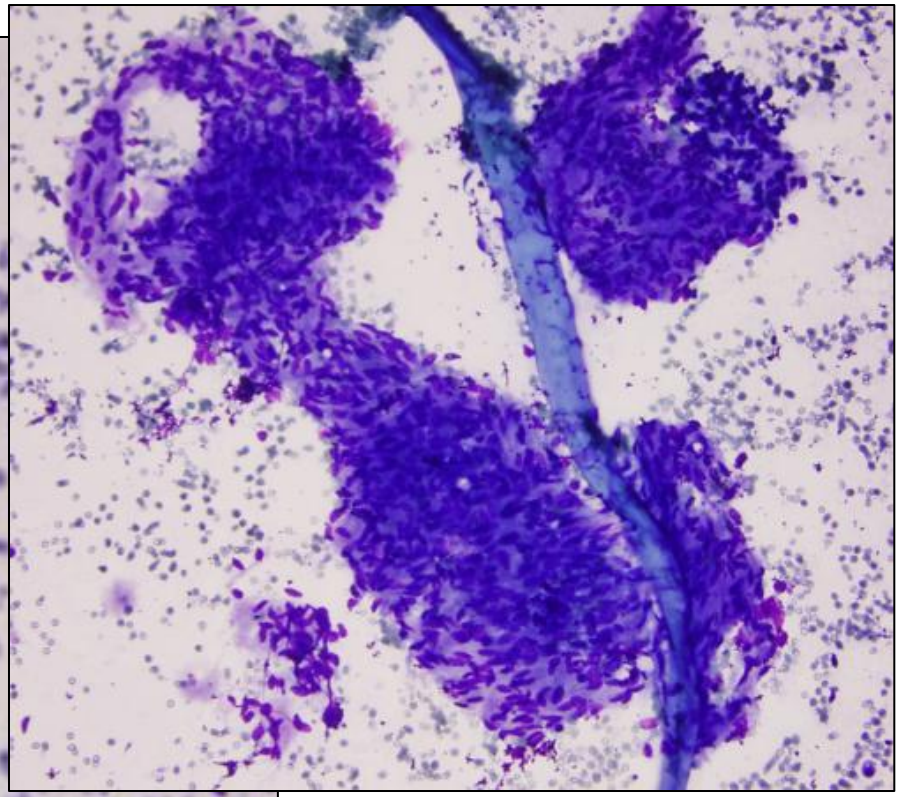


Cohesive groups of
and dispersed
single, spindle cells



Bland spindle cells:
no significant atypia,
nuclear pleomorphism or
mitotic figures



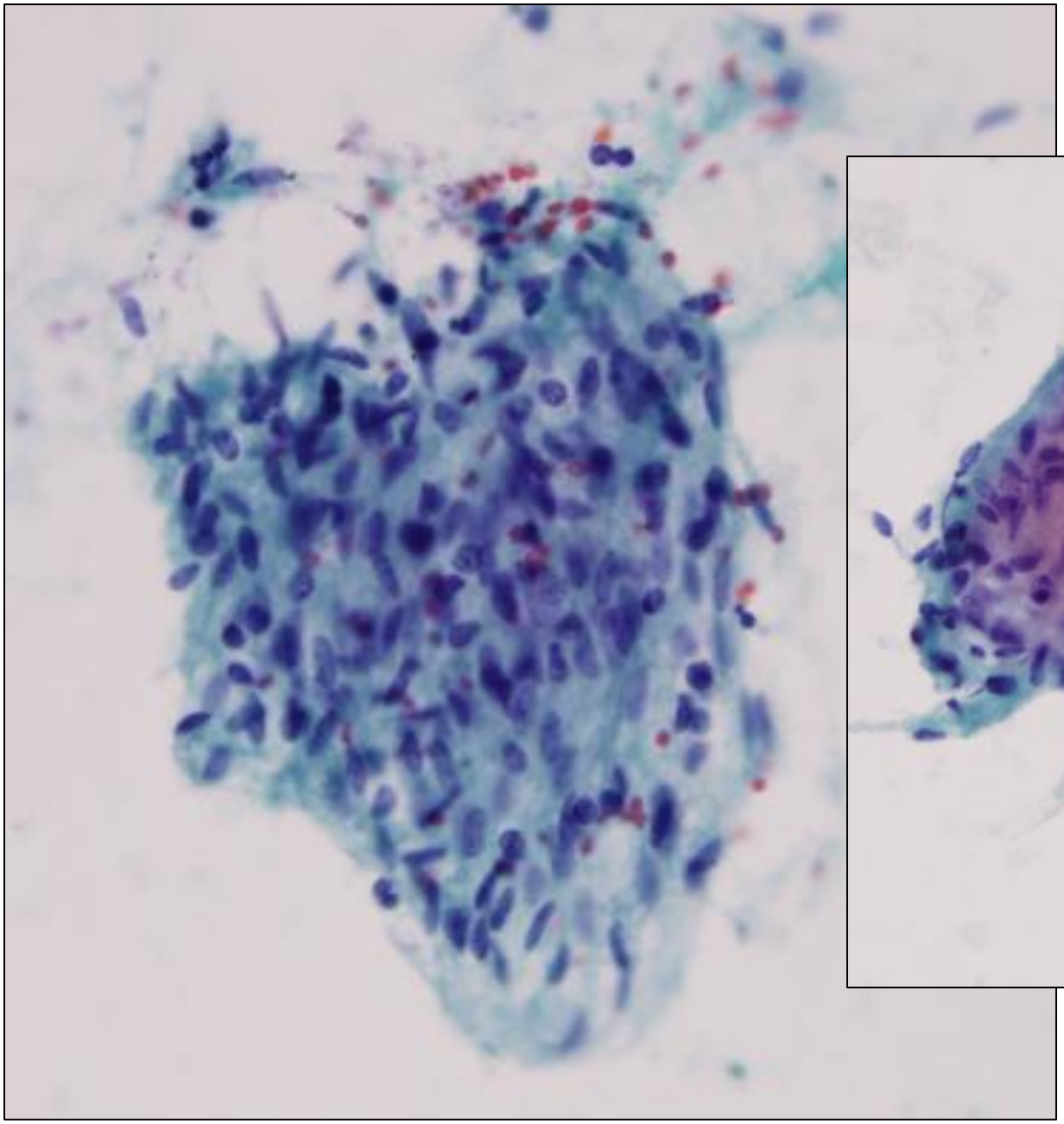


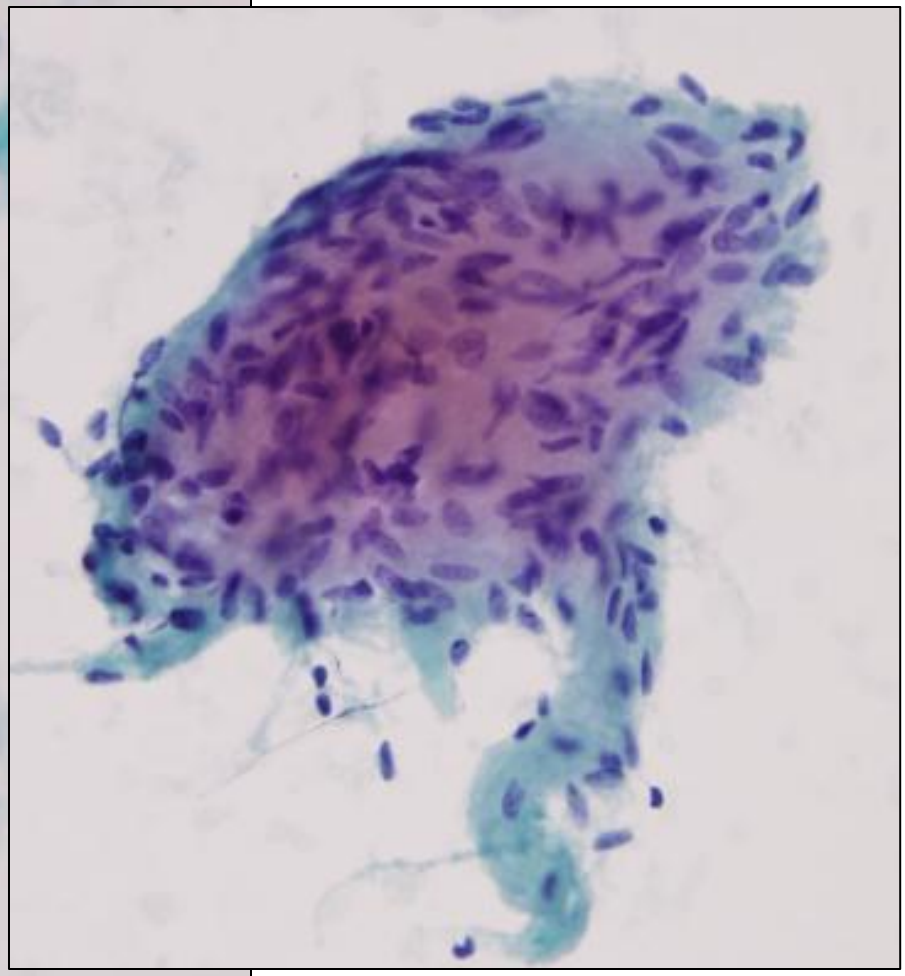
Hint of Verocay bodies

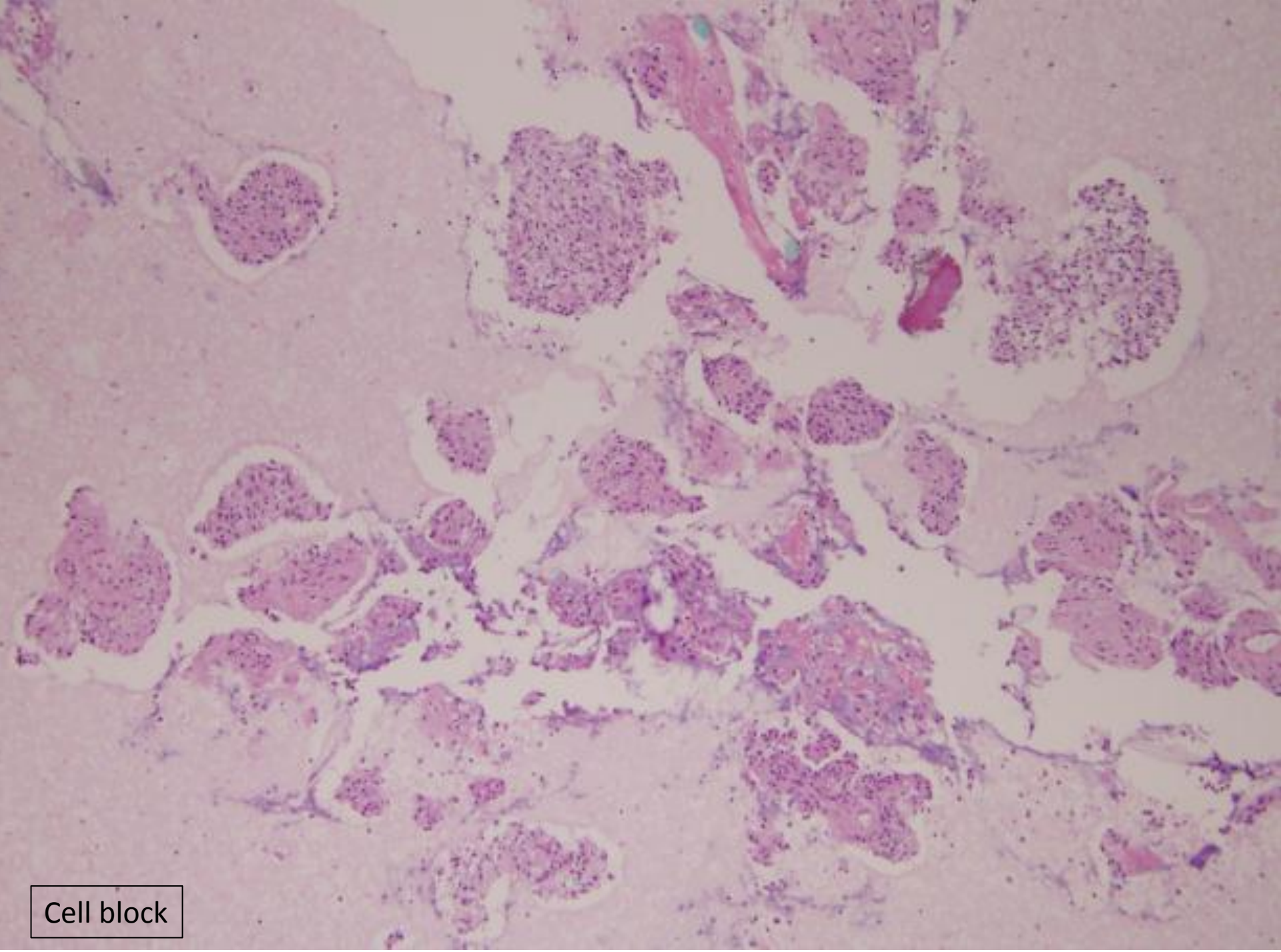
Preliminary Signout

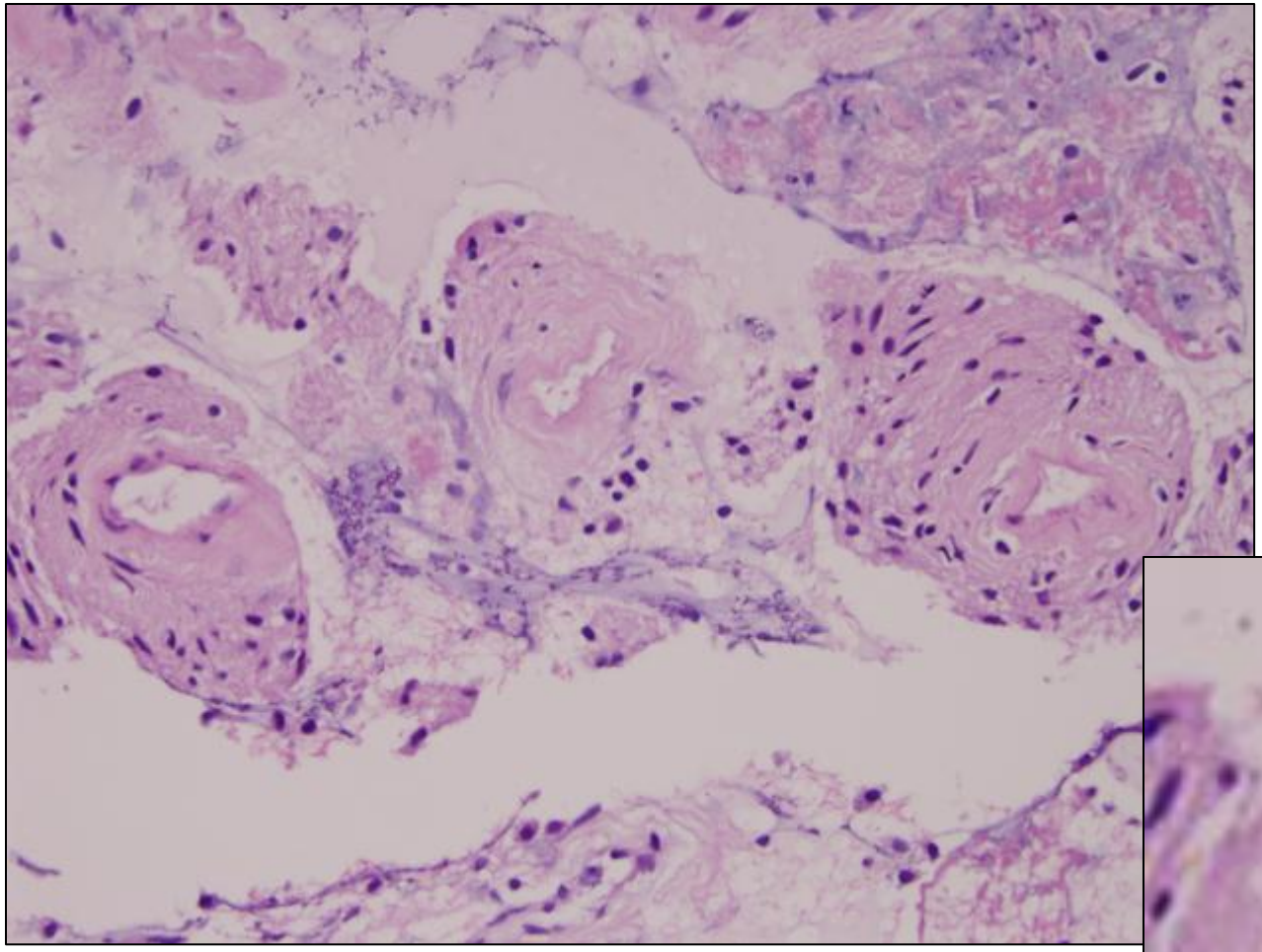
- Neoplastic cells present

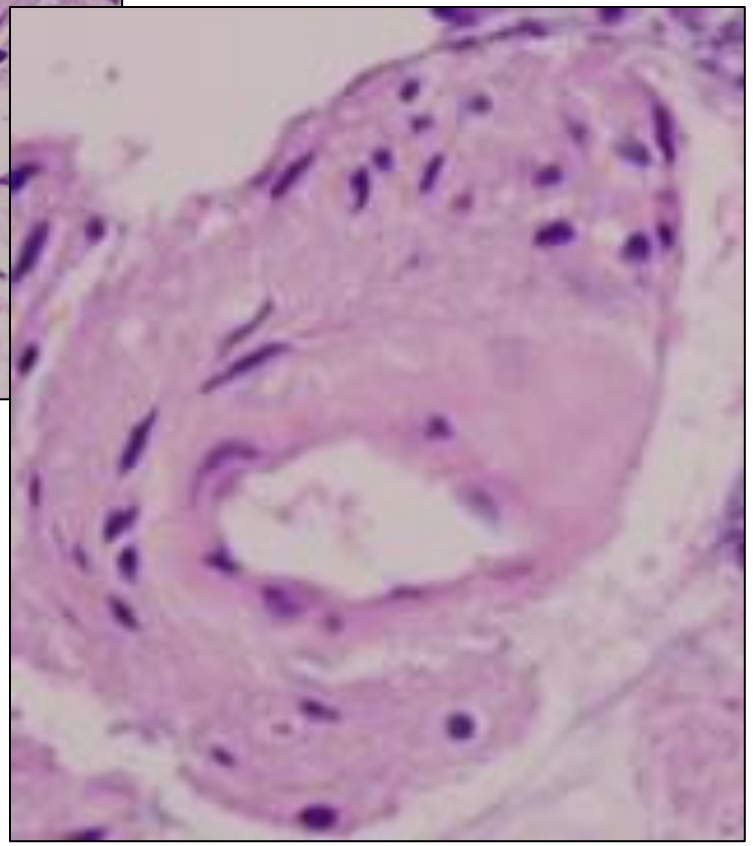
  Spindle cell neoplasm, favor Schwannoma



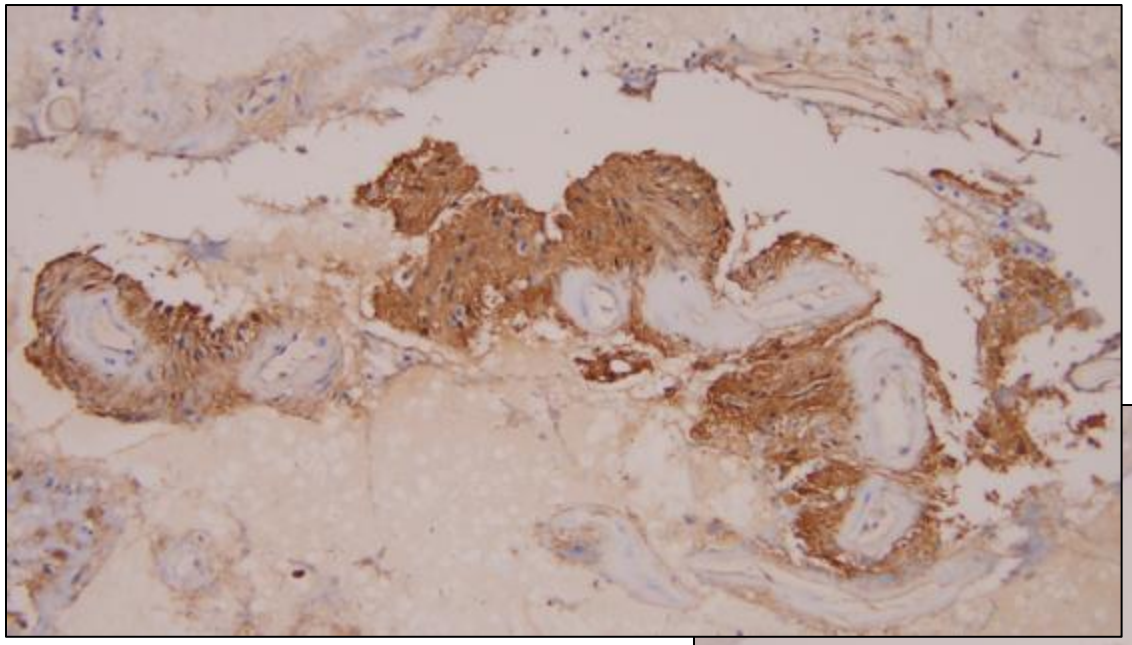



Cell block

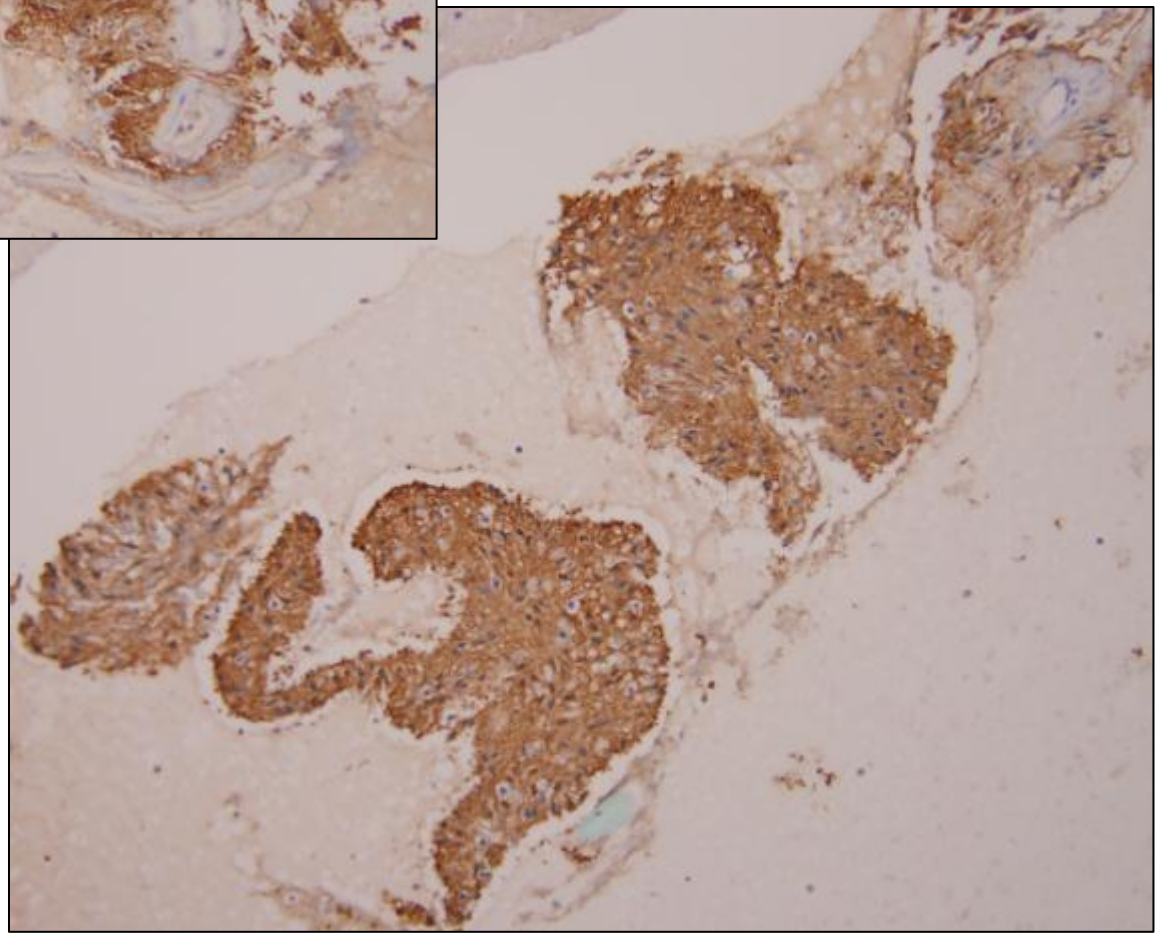




Thick, hyalinized vessels



S-100 IHC



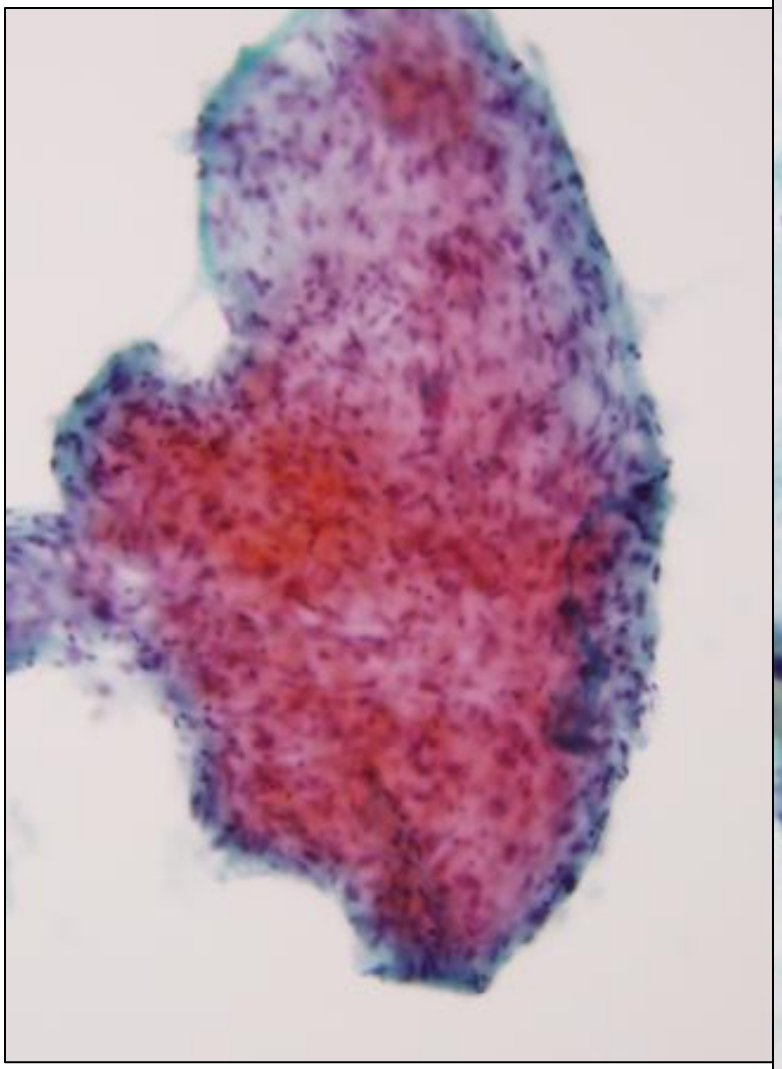
Diagnosis

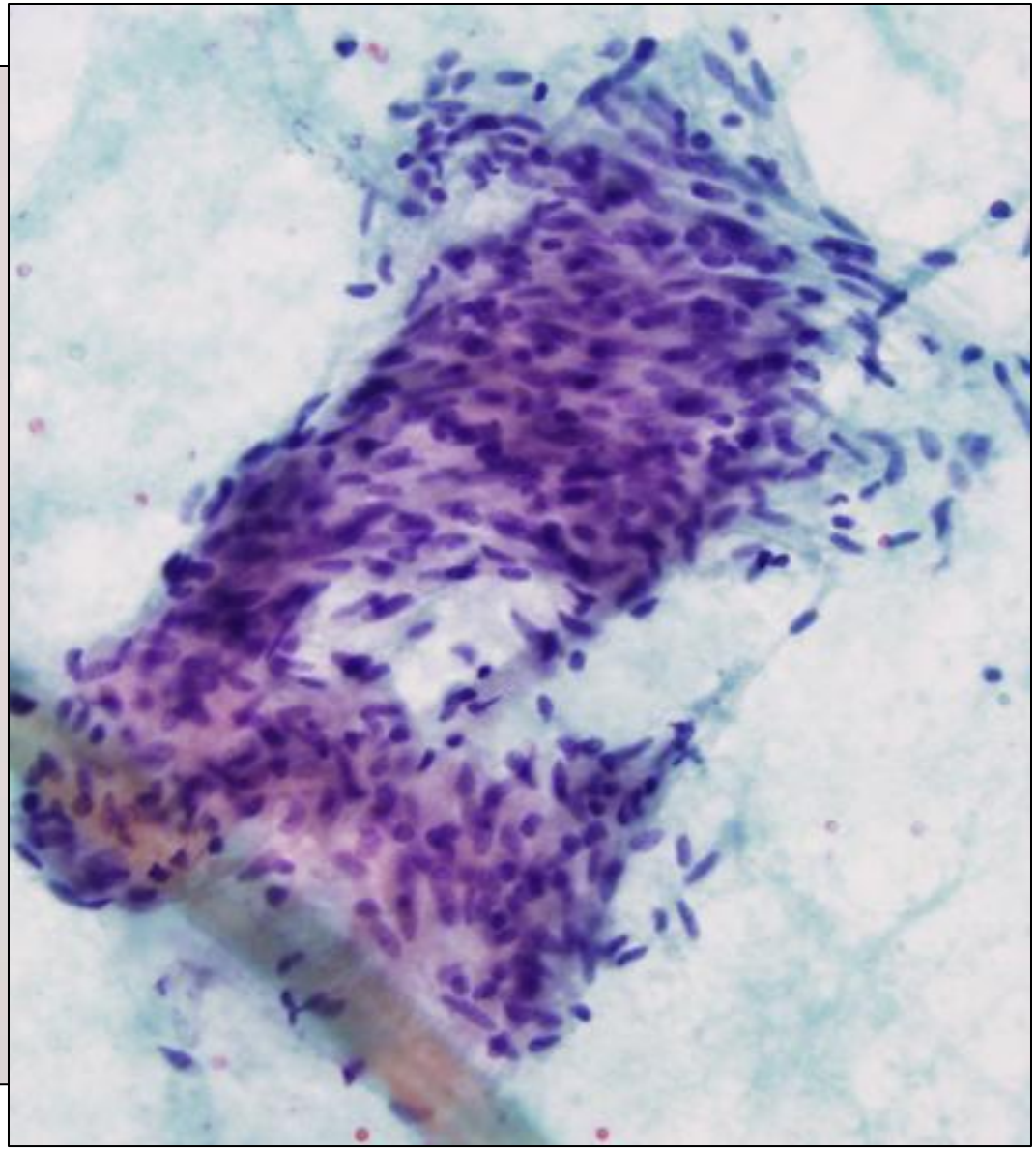
- Schwannoma

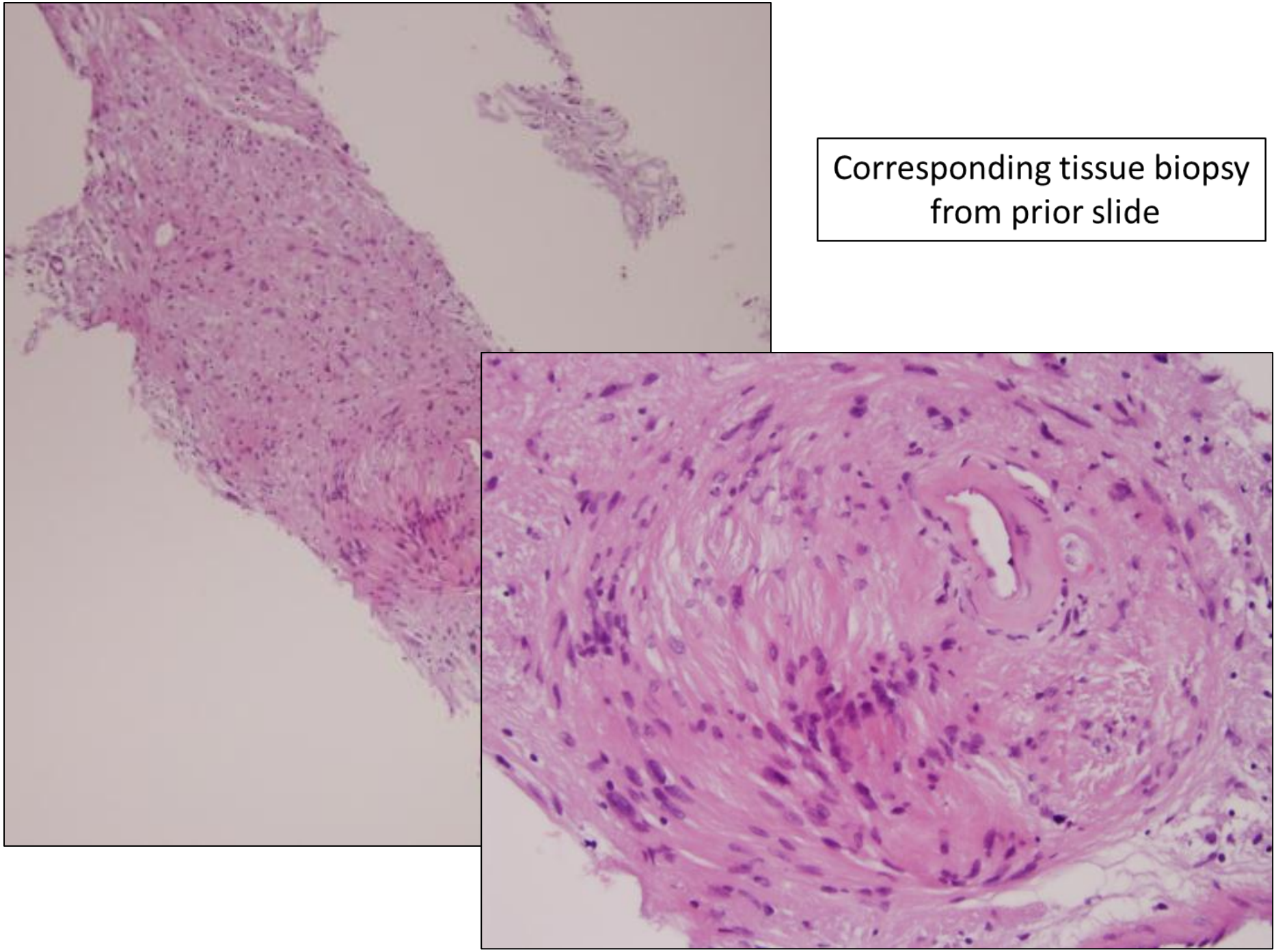
Cytomorphology of Schwannoma

- Large, cohesive fragments
- Variegation in density of nuclei, Verocay bodies
- Wavy, “fishhook” nuclei
- Pointed nuclear ends
- Nuclear palisading
- Filamentous cytoplasm

Another case of Schwannoma from the teaching set







Corresponding tissue biopsy from prior slide

The Internet Journal of Otorhinolaryngology Volume 4, Number 1
The Internet Journal of Otorhinolaryngology
Original Article
Intra Parotid Facial Nerve Schwannoma: A Case Report
S Singhal, S Bansal, A Dass, A Tahlan

Figure 1
Figure 1a: Intraoperative photograph showing the tumor arising from the buccal branch of the left facial nerve.