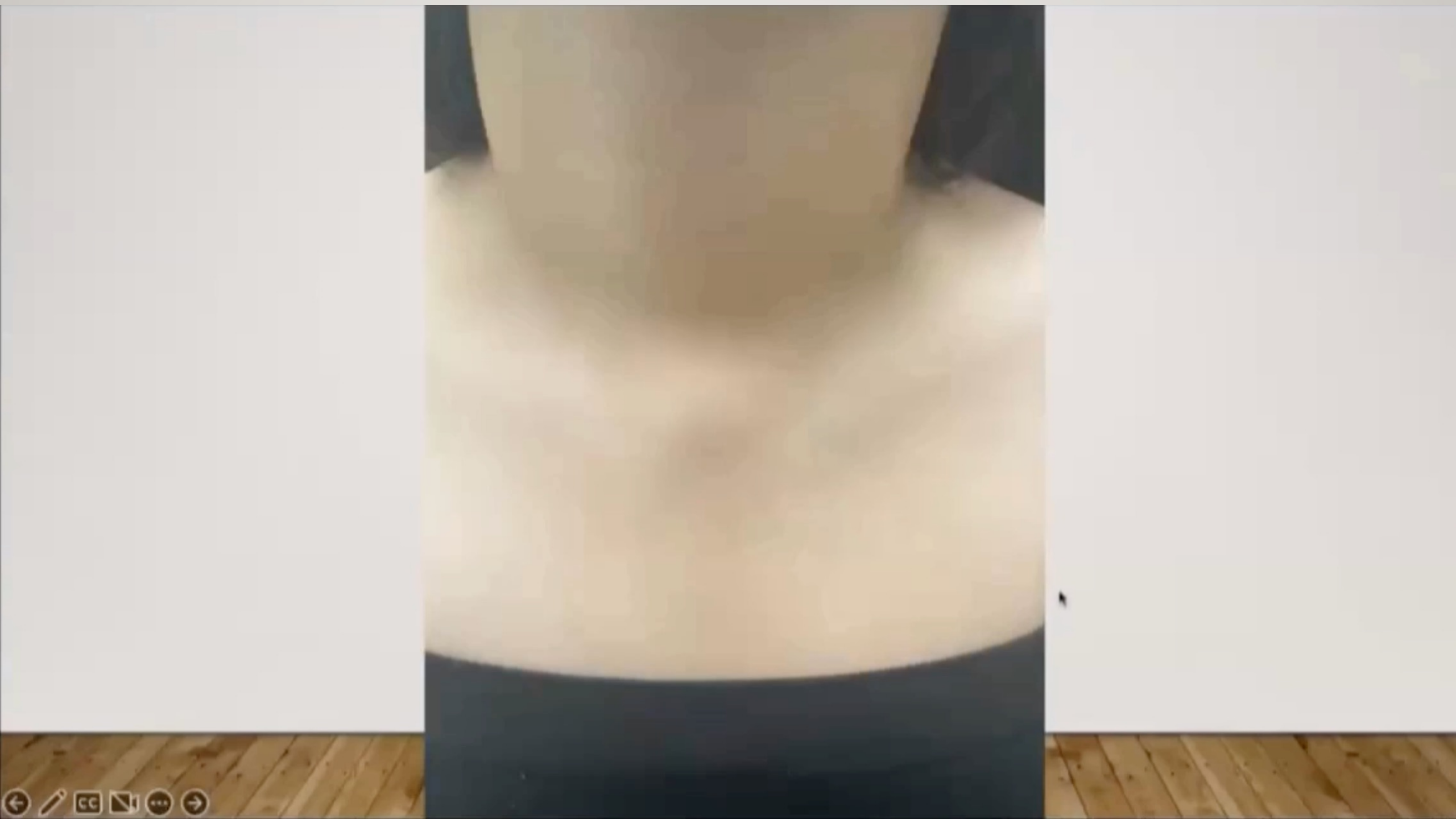


CASE #1

- 15yo F immigrant from Peru (9 months previously)
- Presented to ED with enlarging suprasternal mass, painful, present for 2 years
- U/S performed
- Treated with 10 days of Clavulin
- Followed up in clinic 2 weeks later with decreased size in mass
- Ongoing odynophagia

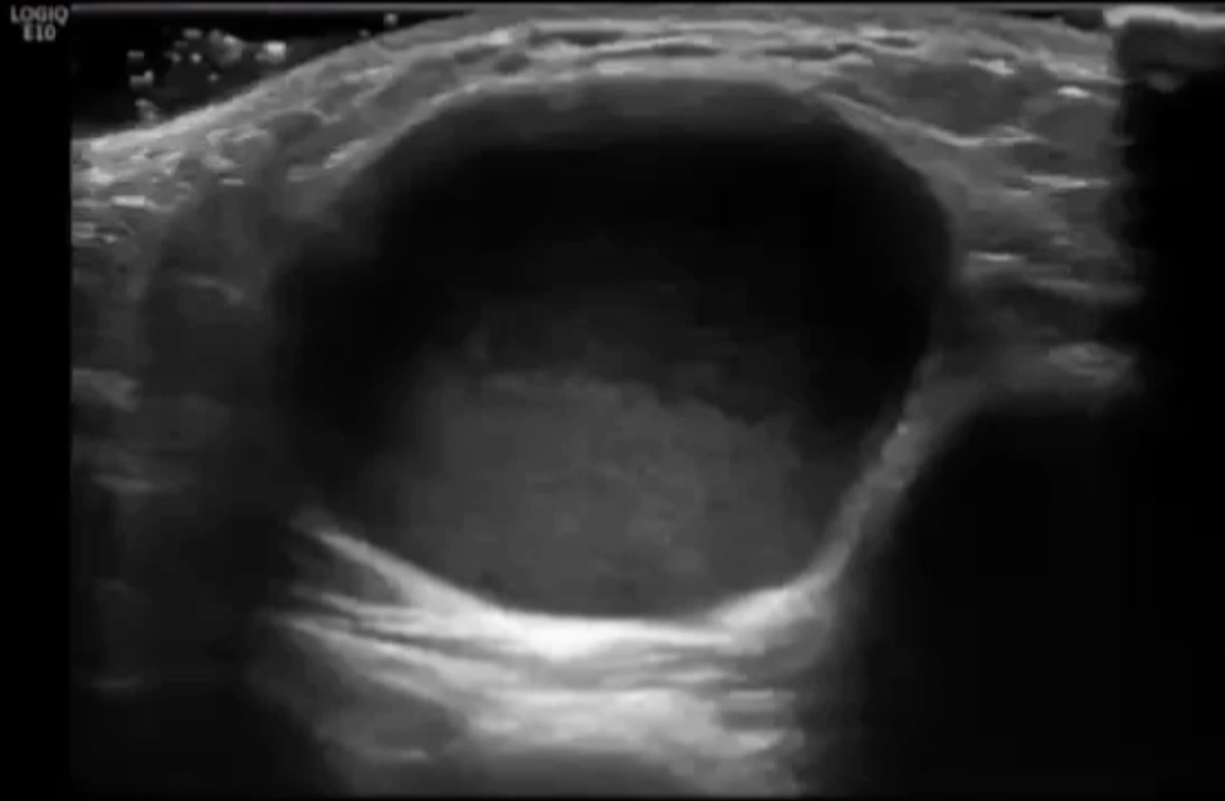






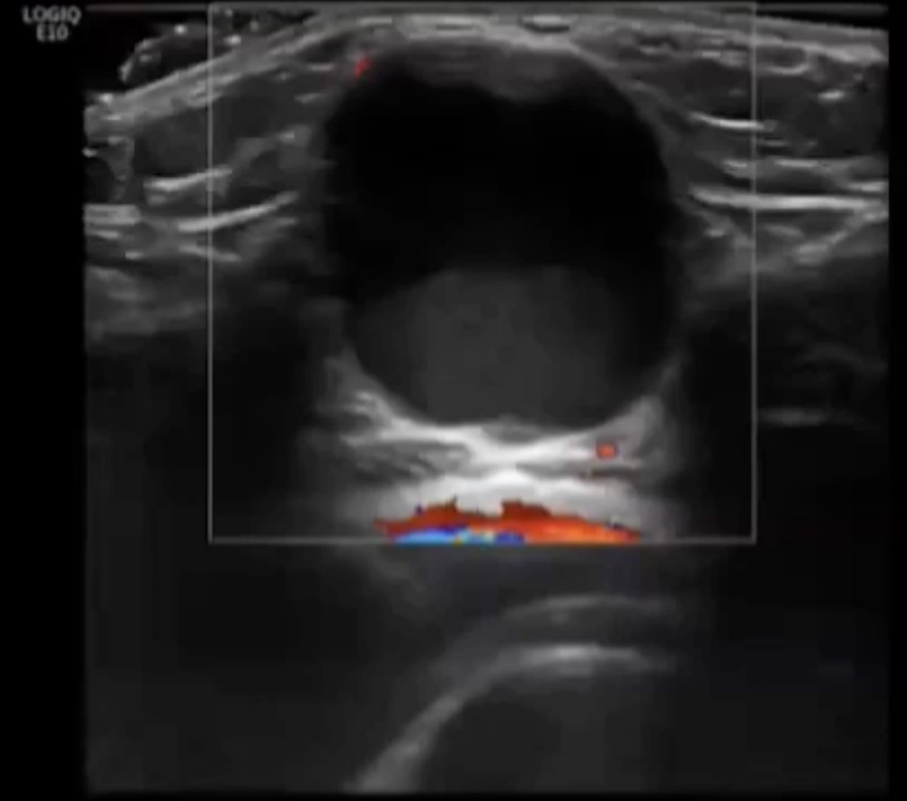
STERNAL NOTCH

LONG

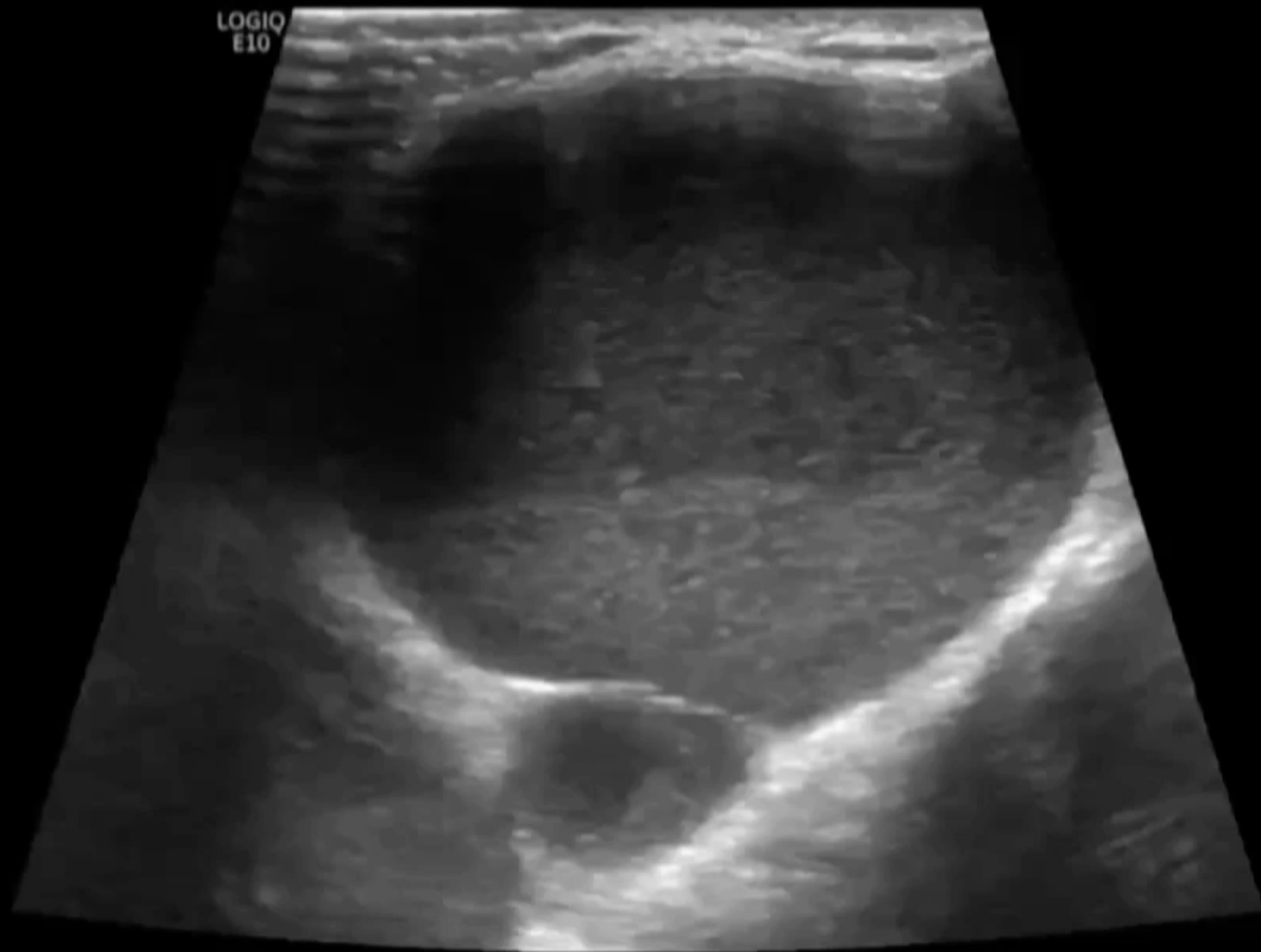


STERNAL NOTCH

TRANS



LOGIQ
E10



SAG

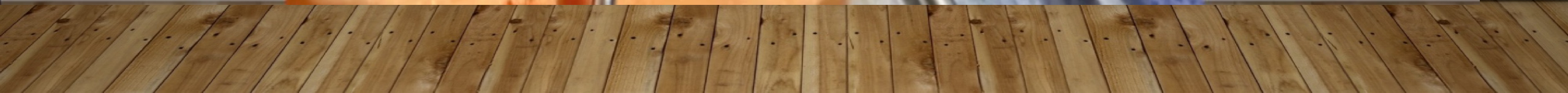
LOGIQ
E10

TONGUE EXTENSION



Stop Screen Recording





PS23-3303

F

15 years

2008/07/21

CLINICAL INFORMATION

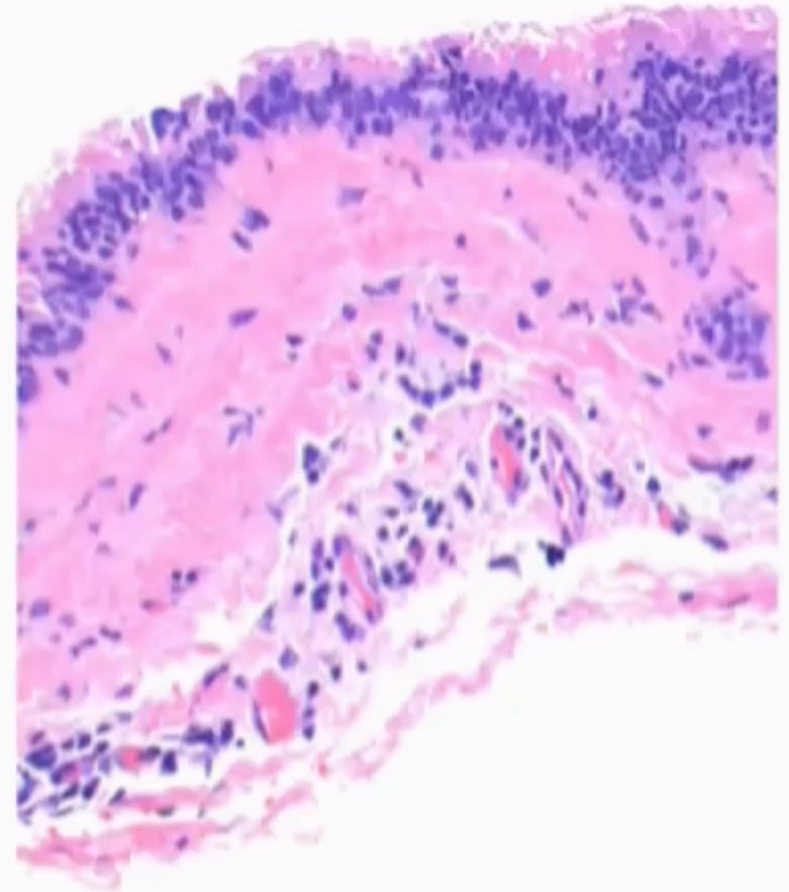
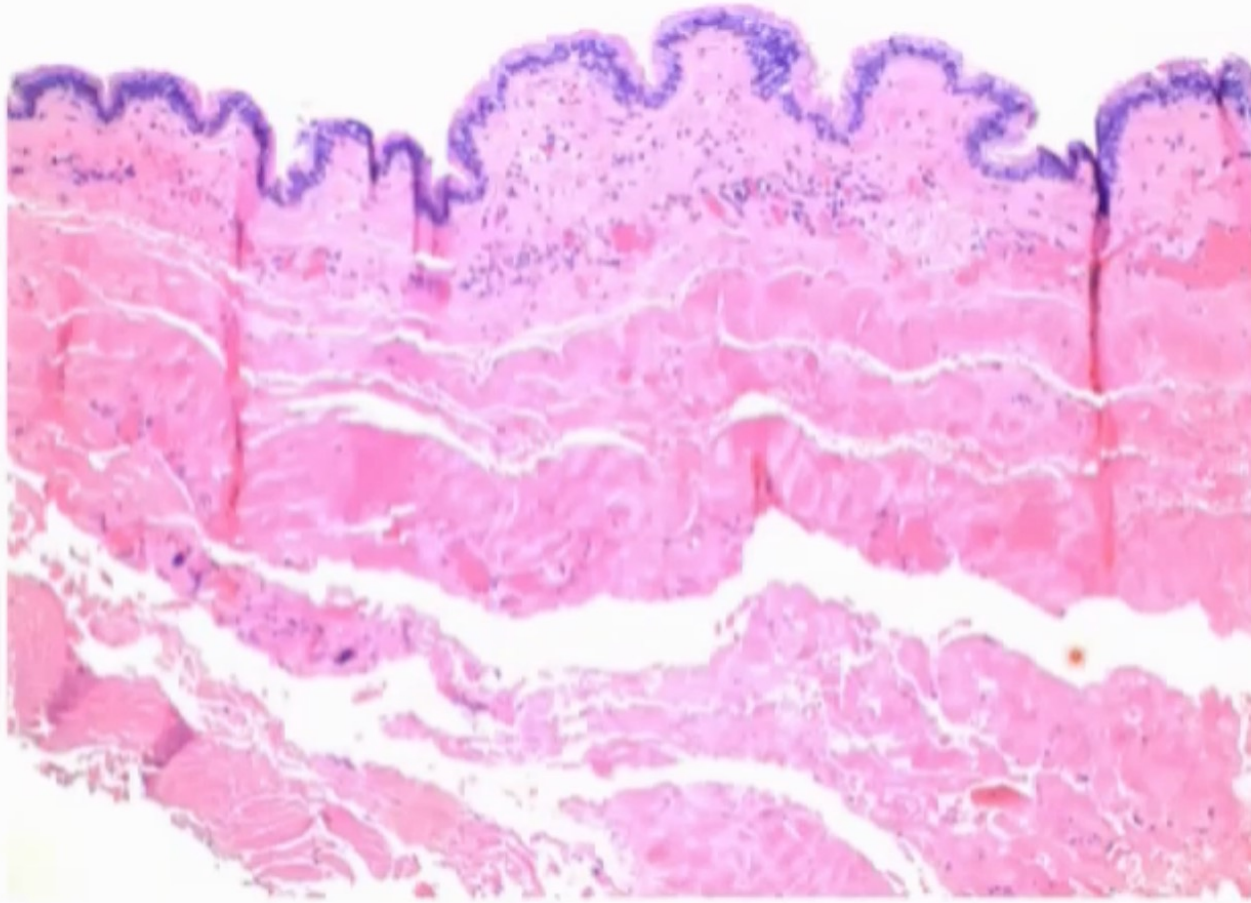
Excision of midline neck mass at sternal notch, deep and abutting lower poles at thyroid. Mucoïd contents.

SPECIMEN

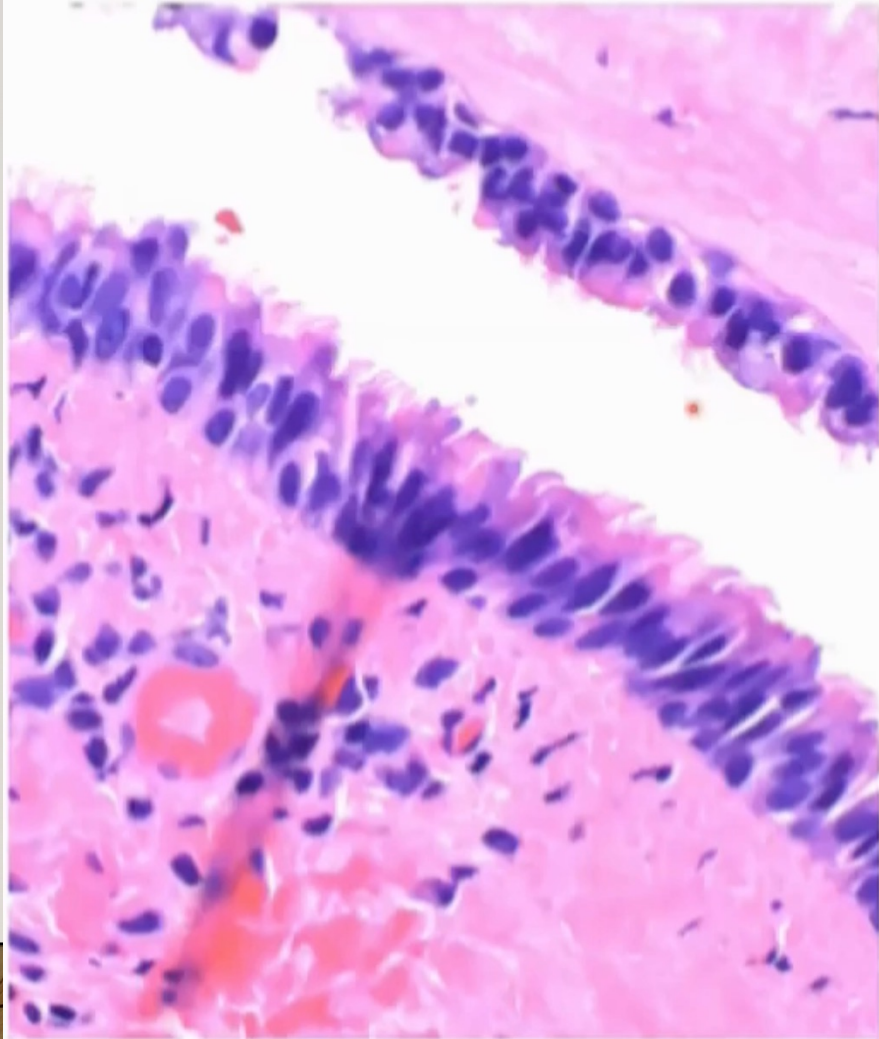
- A. NODE MIDLINE NECK MASS
- B. NODULE ATTACHED TO CYST



A. collapsed cyst measuring 3.2 x 1.3 x 0.5 cm. outer surface is smooth; submitted in toto



PATHOLOGY



- **CILIATED RESPIRATORY TYPE EPITHELIUM**

PATHOLOGY

List cysts that may contain ciliated epithelium

Thyroglossal duct cyst (TDC)

Branchial cyst

Bronchogenic cyst

Cutaneous ciliated cysts

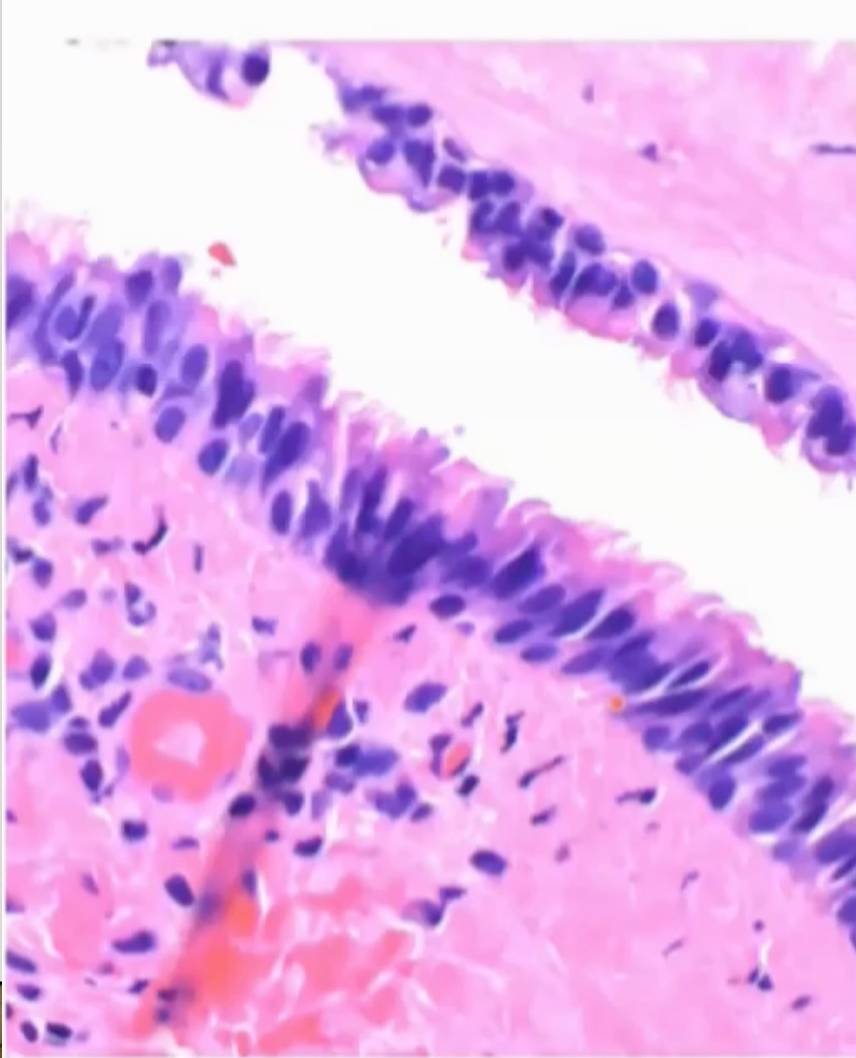
Enterogenous cyst - Neurenteric cyst- Foregut cyst

Endosalpingiosis

Others



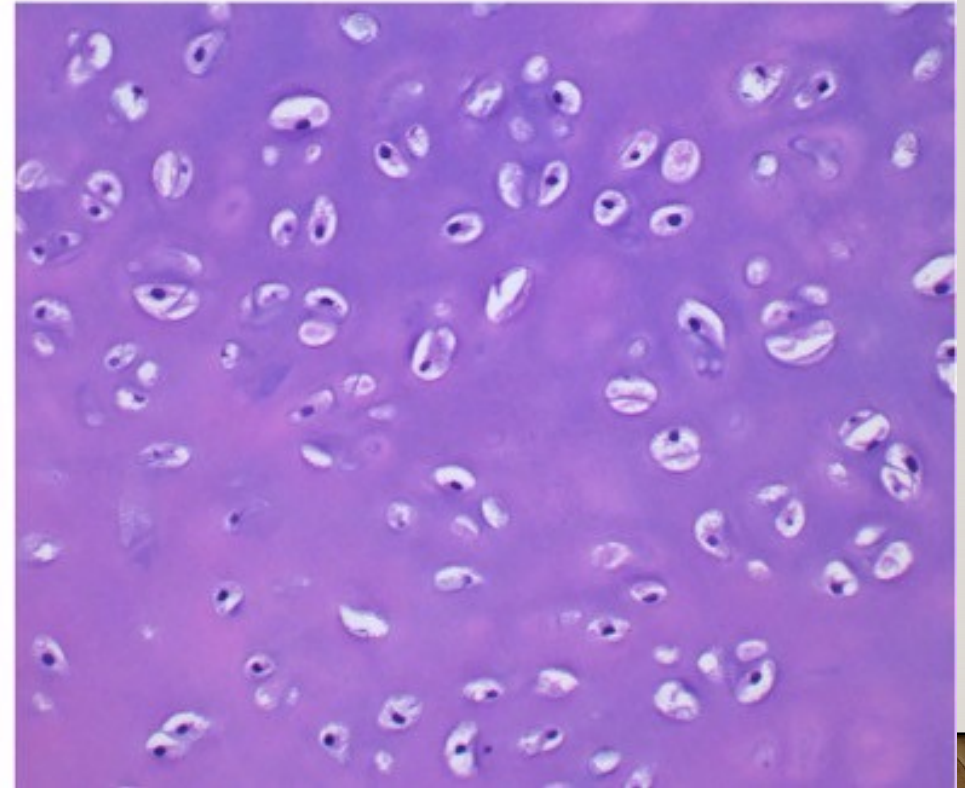
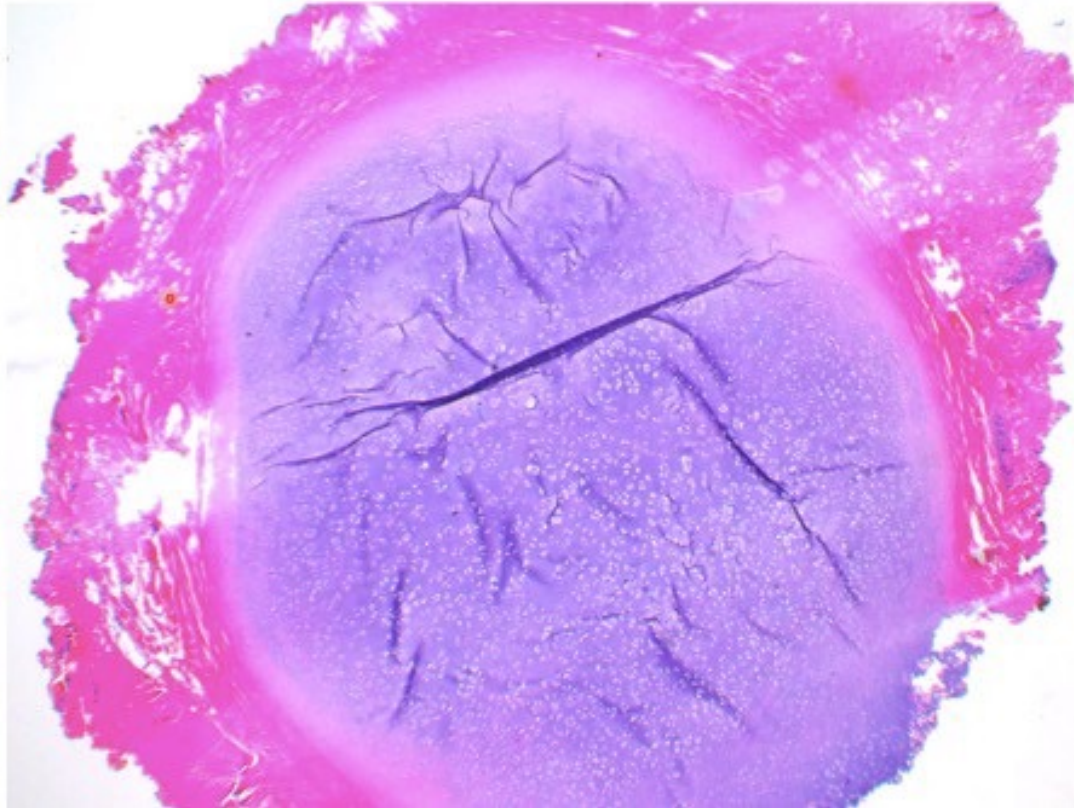
PATHOLOGY



- **CILIATED RESPIRATORY TYPE EPITHELIUM**
- NO MUCOUS GLAND
- NO GOBLET CELL
- NO CARTILAGE WITHIN WALL
- NO SQUAMOUS MUCOSA
- NO THYROID FOLLICLE
- NO INTESTINAL-GASTRIC EPITHELIUM
- NO LYMPHOID AGGREGATES
- NO WELL DEVELOPED MUSCLE WALL

PATHOLOGY

B, NODULE ATTACHED TO CYST, EXCISION:
- BENIGN CARTILAGE IDENTIFIED.



PATHOLOGY

Cysts that may contain ciliated epithelium

Thyroglossal duct cyst (TDC)

Branchial cyst

Bronchogenic cyst --- common at sternal notch or intrathoracic--- from foregut origin (M>F) – MAY CONTAIN CARTILAGE

Cutaneous ciliated cysts: extremities teenager; rare in other locations (F>>M) – often ER-PR positive

Enterogenous cyst - Neurenteric cyst- Foregut cyst: posterior mediastinum/intra-extra spinal

Mature teratoma

Endosalpingiosis

Others

DIAGNOSIS

A. NODE MIDLINE NECK MASS, EXCISION:

- MIDLINE CYST LINED BY PSEUDOSTRATIFIED CILIATED EPITHELIUM, CONSISTENT WITH THYROGLOSSAL DUCT CYST (SEE COMMENT)

B, NODULE ATTACHED TO CYST, EXCISION:

- BENIGN CARTILAGE IDENTIFIED.

COMMENT

An email was sent to Dr. Emil on Sept 11, 2023. Clinical correlation is required for final diagnosis.

Location, location, location!!

Information, Communication, Correlation

- *Dr SE: I really doubt this is thyroglossal. It was really a mediastinal cyst, well below the thyroid. TGD cysts should not be below the thyroid gland. There was also a piece of cartilage attached. Can this be a bronchogenic cyst or BPFM. It was very adherent to the tracheal. We will present this at global SRP next week. Very interesting.*
- *Dr MLB: Yes, I had doubts about thyroglossal and considered brin chopulmonary origin. No well formed muscle which is why I favored thyroglossal and emailed you. Perhaps Chantal can retrieve the case and review. If I remember correctly, the cartilage was in the 2nd specimen*