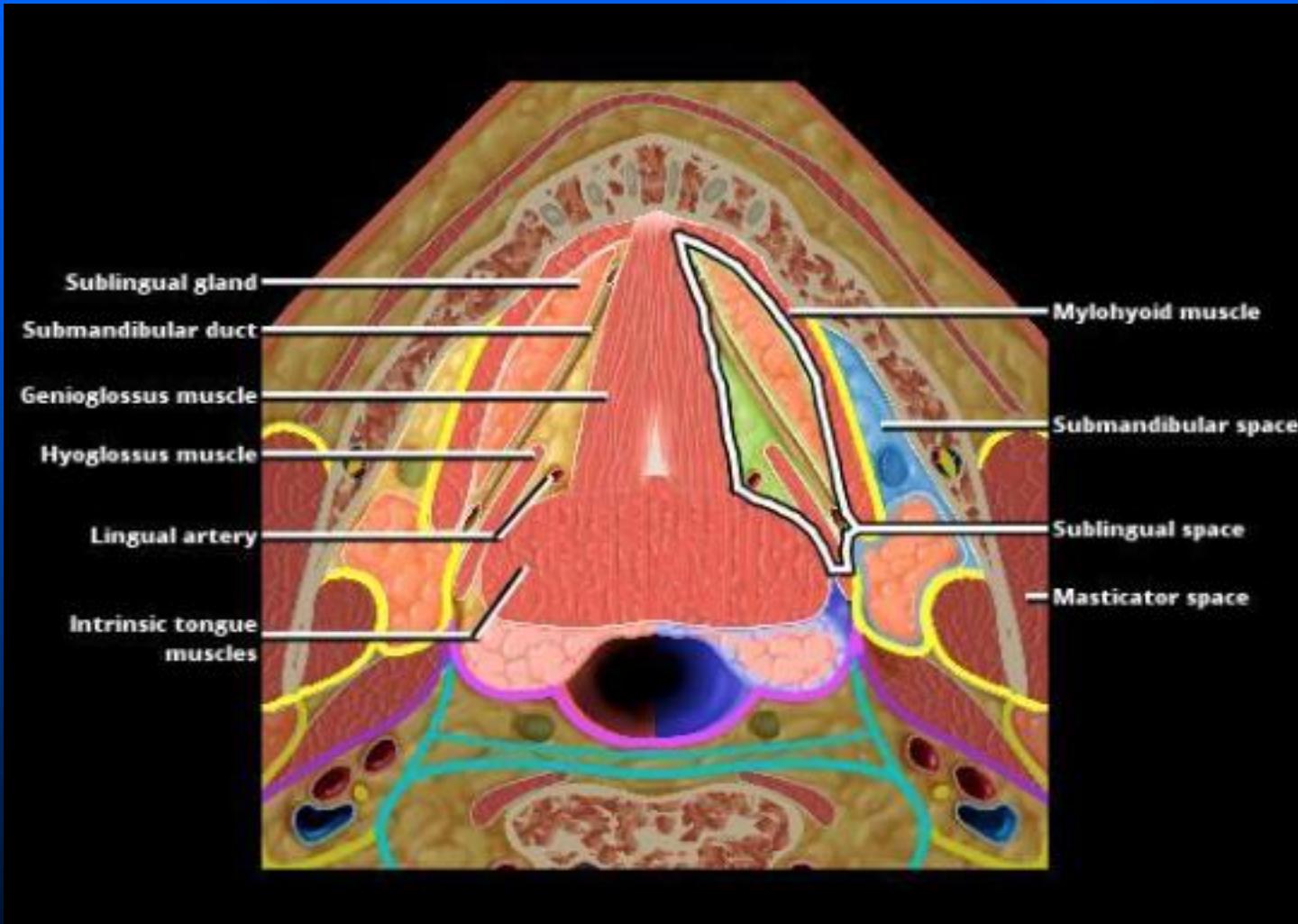
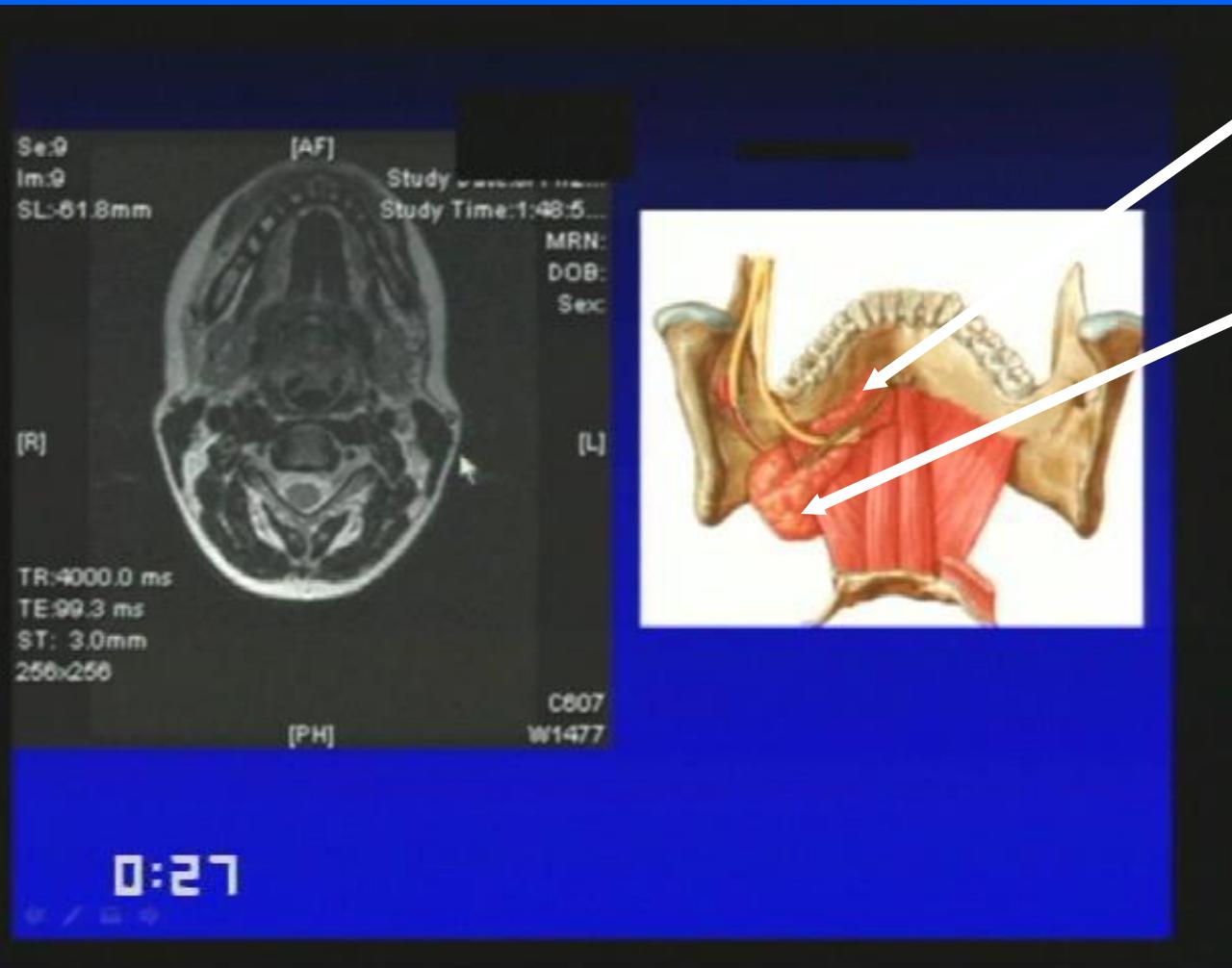


Sublingual Space

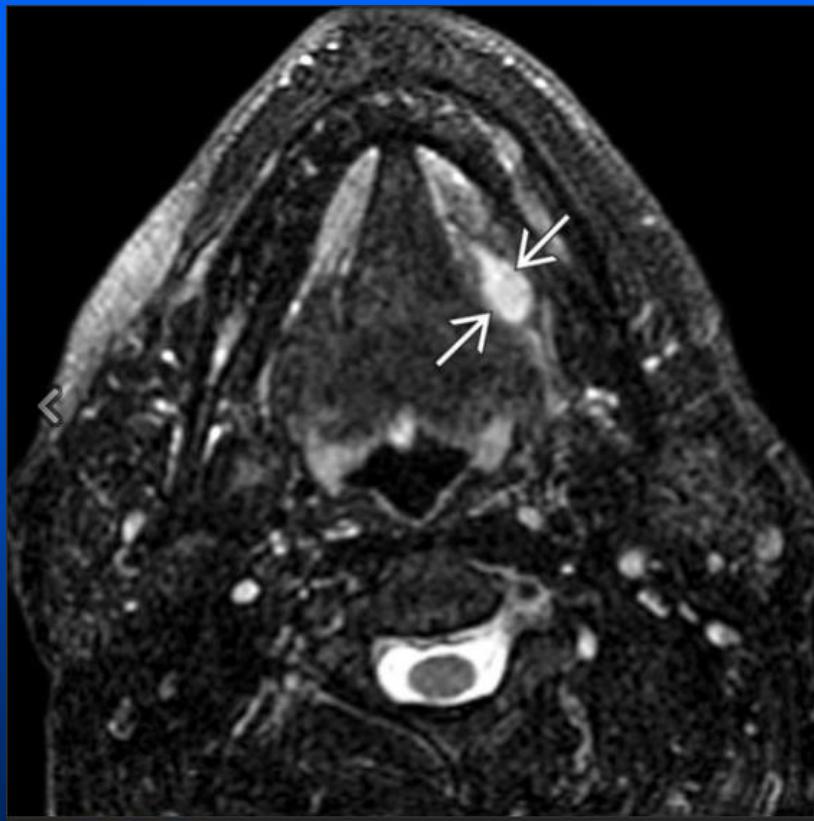


Sublingual and Submandibular space



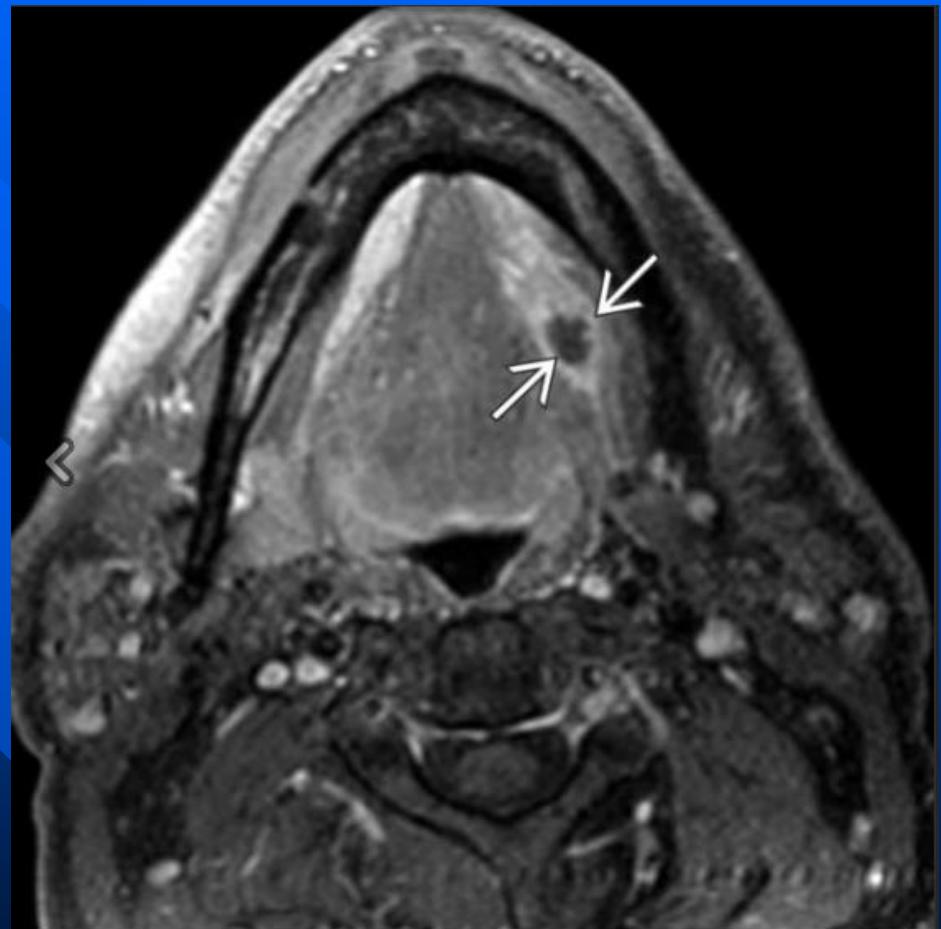
Sublingual gland
sup to mylohyoid
and submandibular
sup and inf

Mucoepidermoid carcinoma.



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Axial T2WI FS MR in the same patient shows lesion → to be markedly hyperintense. More differentiated salivary malignancies produce fluid/mucin and have high signal. Margins are again irregular. This was found to be **mucoepidermoid carcinoma**.



Adenoid cystic carcinoma



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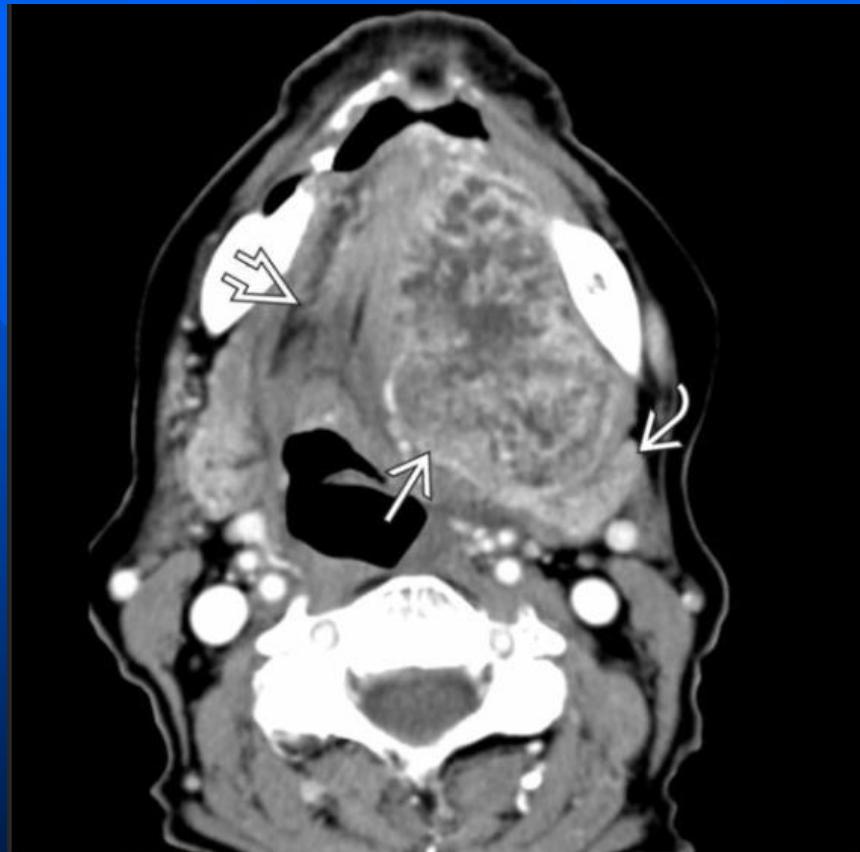
Axial CECT shows asymmetric floor of mouth from large infiltrative ACCa → in right SLG. Tumor extends into genioglossus muscle ↗ and neurovascular bundle ↗ allowing ready access to CNV3 and CXII. Note normal left sublingual gland ↘.

- Strong propensity for perineural spread
- Tends to hematogenously spread to lungs
- Slow-growing; may metastasize.
- Malignant degeneration of benign mixed tumor

Benign Mixed Tumor, Sublingual Gland

- Well-circumscribed sublingual space solid lesion
- Usually homogeneous enhancement
- MR: High signal on T2/STIR
- Complete resection of sublingual gland
- Treatment usually aggressive due to potential for malignant degeneration &/or coexistent adenocarcinoma
- Consider tumor to be malignant until proven!
otherwise

Benign Mixed Tumor, Sublingual Gland



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Axial enhanced CT of same patient, imaged through the retromolar portion of the mandible, further depicts the tumor → and displaced submandibular gland ↗. The normal contralateral sublingual gland is visualized ↘.

DDX:

■ Adenoid Cystic Carcinoma

- Most common sublingual gland neoplasm
- 5-10 year follow-up; late recurrence
- Imaging (CT/MR): Invasive sublingual space mass with heterogeneous density/intensity and variable, but present, enhancement

■ Mucoepidermoid Carcinoma

- Typically low grade with benign features
- Adjacent malignant adenopathy may be present

■ Adenocarcinoma

- Relatively asymptomatic; highly malignant nature

■ Acinic Cell Carcinoma

- Mass lesion with calcifications
- Adjacent malignant adenopathy may be present