



## Challenging entities in Salivary Gland Pathology

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Some of the Salivary Gland entities have overlapping morphology and mimic

Acinic Cell Carcinoma versus Secretory Carcinoma

Secretory Carcinoma has ETV6 - NTRK fusion molecular and genetic signature

Basaloid tumors that overlap are

Basal Cell Adenoma , Basal Cell Carcinoma ,and Adenoid Cystic Carcinoma

Histological Examination of the borders is crucial

In small biopsies the borders are most seen.

Low grade malignant tumors can mimic benign lesions

Epithelial Myoepithelial Carcinoma

Polymorphous low grade adenocarcinoma

Sclerosing Polycystic Adenosis

Intraductal Carcinoma

In Cystic lesions

The cellularity is sparse

In such situations

The detailed clinical history. Clinical Examination. Imaging results , are also taken into consideration.

Further ancillary tests include

IHC Immunohistochemistry

S100 , GCDFP15 (Gross Cystic Disease Fluid Protein 15 ) ,Mammaglobin for Secretory Carcinoma

SOX 10 ,p 63 for Basal cell tumors

Molecular and genetic signatures

ETV6 - NTRK for Secretory Carcinoma

PLAG 1 for Pleomorphic Adenoma

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