Swellings of the Lips and Buccal Mucosa
Lip/Buccal Masses

- Traumatic Fibroma
- Mucocele
- Sialocyst (Mucous retention cyst)
- Sialolithiasis of Minor Glands
- Mesenchymal Tumors
- Salivary Tumors
- Squamous Cell Carcinoma
- Reactive Lymph Node
- Cysticercrosis
Traumatic Fibroma

- Dome shaped nodule
- Nonneoplastic, fibrous hyperplasia
- Trauma History is common
- Normal collagen, vasculature
- May be ulcerated
Traumatic Fibroma
Traumatic Fibromas
Fibroma
Mucocele

- Lower lip > Buccal Mucosa > Upper lip
- Soft and fluctuant
- May fluctuate in size
- Trauma history
- Ductal severage with mucous escape
- Pseudocyst, lined by granulation tissue
- Excise, extirpate minor glands
Mucous Escape Phenomenon
Mucous Escape Phenomenon
Sialocyst, Mucous Retention Cyst

• Duct blockage phenomenon vrs true cyst
• Mucous plug
• Fluctuant, nontender
• Microscopic variations
  – Simple sialocyst
  – Mucopapillary (cystadenoma)
  – Oncocytic Metaplasia
Mucous Retention Cyst (Sialocyst)
Sialocyst
Sialocyst

- Simple sialocyst
- Mucopapillary type
Minor Gland Sialolithiasis

- Upper Lip > Lower Lip
- Indurated submucosal mass
- Movable
- Painful on palpation
- Lip radiograph will show round opacity
- Excision
Minor Gland Stone in Duct
Mesenchymal Tumors

- Soft to Firm, Movable
- Submucosal Nodules
- Some are multinodular
- Common Subtypes
  - Lipoma r/o herniated buccal fat pad
  - Nerve sheath tumors
  - Vascular tumors
  - Solitary Fibrous Tumor
  - Myofibroma
  - Leiomyoma
  - Rare sarcomas
Lipoma
Lipoma Variants

Pleomorphic Lipoma

Angiomyolipoma
Varix
Hemangioma
Traumatic Neuroma
Neurilemmoma
Neurofibroma

S-100 protein
Vascular Leiomyoma
Vascular Leiomyoma

Trichrome

Smooth muscle actin
Myofibromma

Smooth muscle actin
Salivary Gland Tumors

• Benign
  – Pleomorphic Adenoma
  – Canalicular Adenoma (upper lip)
  – Basal Cell Adenoma

• Malignant
  – Mucoepidermoid CA
  – Polymorphous Low Grade AdenoCA
  – Adenoid Cystic CA
  – AdenoCA NOS
Lip and Buccal Salivary Tumors
Basal Cell Adenoma
Canalicular Adenoma
Pleomorphic Adenoma
Mucoepidermoid CA
Mucoepidermoid Carcinoma
Polymorphous Low Grade Adenocarcinoma
Adenoid Cystic Carcinoma
Acinic Cell Carcinoma
Squamous Cell Carcinoma, Lip

- Lower Lip > Upper Lip
- Ulcerative Nodule
- Preexisting Actinic Cheilitis
- Well Differentiated, Keratinizing
- Good Prognosis
- Wedge Resection
Lip Squamous Cancer
Buccal Mucosa, Vestible Squamous Cell Carcinoma

- Indurated, Ulcerated
- Tobacco, Alcohol Risk Factors
- Elderly
- Males>Females
- Histology
  - Moderately Differentiated
  - Verrucous Carcinoma
- Therapy
  - Excision, Radiation
Squamous Cell Carcinoma
Reactive Lymphoid Hyperplasia

- Buccal Lymph node enlargement
- Postinfectious (viral, odontogenic)
- Soft and movable
- Excision with biopsy to verify
Reactive Lymphadenitis
Cysticercosis

- Intestinal Tape Worm Larve
  - Pork tape worm
  - Human host
- Resemble Mucocele
- Gross sectioning reveals internal larva
- Microscopic
  - Larval parasite
  - May calcify
Cysticercosis in Lower Lip