ANTERIOR NECK TRIANGLE MASSES
Anterior Neck Triangle
Anterior Neck Masses

- Ludwig’s Angina
- Thyroglossal Duct Cyst
- Goiter
- Subacute Thyroiditis
- Hashimoto’s Thyroiditis
- Thyroid Adenoma
- Thyroid Adenocarcinoma
- Sarcoma
Ludwig’s Angina

- Odontogenic Infectious Source
- Space Infection/Cellulitis of Anterior Triangle
- Painful, indurated
- Airway Obstruction
- Potentially Fatal Course
Ludwig’s Angina
Thyroglossal Tract Cyst

- From Tongue Base to Thyroid
- Wraps around hyoid bone
- Midline fluctuant mass
- Painless
Thyroglossal Duct Cyst

Midline Mass

Histopathology
Goiter

- Midline/Bilateral
- Painless Swelling
- Nontoxic “euthyroid”
- Toxic “hyperthyroidism”
  - Granve’s disease
- Hypothyroidism
  - Myxedema
Nontoxic Goiter

Clinical

Enlarged Follicles
Grave’s Thyrotoxicosis

- Exophthalmos
- anti-TSH receptor autoantibodies
- thyroid stimulatory autoantibodies
Subacute Thyroiditis

- Soft Swelling
- Painful
- Fever
- Viral Etiology (Echo, coxsackie, adeno, influenza)
- Some cases show granulomatous inflammation
Thyroiditis
Hashimoto’s Thyroiditis

• Adults
• Painless midline swelling
• Autoreactive Cytotoxic T cells
• Hypothyroidism is late
Hashimoto’s Thyroiditis
Lymphocytic Infiltration
Thyroid Adenoma

- Unilateral movable mass
- Hot nodules on thyroid scans (I\textsuperscript{131})
- Histologic Subtypes
  - Fetal Adenoma
  - Follicular adenoma
  - Hurthle cell tumor
Thyroid Adenomas

- Follicular Adenoma
- Hurthle Cell Adenoma
Thyroid Adenocarcinomas

- Hard Mass
- Cold nodule
- Metastasis to lateral neck nodes
- Distant metastases
- Histologic types
  - Papillary CA
  - Follicular CA
  - Medullary CA
  - Anaplastic types
Thyroid CA

Clinical

Papillary CA
Multiple Endocrine Neoplasia Syndrome III (IIb)

- Medullary CA of the Thyroid
- Adrenal Pheochromocytoma
- Oral Mucosal and Eyelid Neuromas
- Mutation in RET proto-oncogene
MEN III

- Mucosal Neuromas

Medullary CA, orange amyloid
Sarcomas

- Synovial sarcoma from thyroid bursa
- Other histologic types are rare in anterior neck
- Indurated Masses off Midline
Synovial Sarcoma

Biphasic Pattern