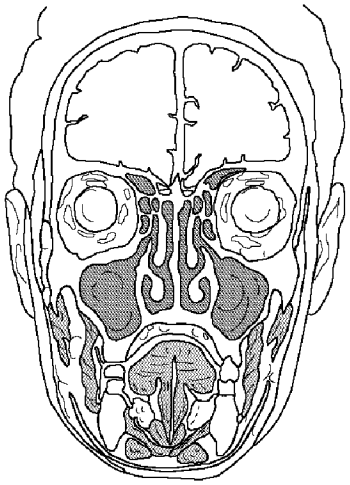
CALIFORNIA
TUMOR TISSUE REGISTRY

"HEAD & NECK PATHOLOGY"

Study Cases, Subscription A

January 2006



California Tumor Tissue Registry
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Web page: www.cttr.org
Web site & Case of the Month: www.cttr.org

Target audience:
Practicing pathologists and pathology residents.

Goal:
To acquaint the participant with the histologic features of a variety of benign and malignant neoplasms and tumor-like conditions.

Objectives:
The participant will be able to recognize morphologic features of a variety of benign and malignant neoplasms and tumor-like conditions and relate those processes to pertinent references in the medical literature.

Educational methods and media:
Review of representative glass slides with associated histories.
Feedback on consensus diagnoses from participating pathologists.
Listing of selected references from the medical literature.

Principal faculty:
Weldon K. Bullock, MD
Donald R. Chase, MD

CME Credit:
Loma Linda University School of Medicine designates this continuing medical education activity for up to 2 hours of Category I of the Physician's Recognition Award of the American Medical Association.
CME credit is offered for the subscription year only.

Accreditation:
Loma Linda University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

Contributor: Gerald Dalgleigh, M.D. **Case No. 1 - January 2006**
Fresno, CA

Tissue from: Parotid gland **Accession #24599**

Clinical Abstract:

This 69 year old woman had noticed swelling on the right side of her face for two months. Physical examination showed a 2 cm mass in the right parotid, without seventh nerve involvement. At surgery the mass was confined to the superficial parotid.

Gross Pathology:

The 3.7 x 3.7 x 1.8 cm specimen contained a 1.8 cm well circumscribed pale tan mass with an attached 1 cm diameter satellite nodule. The cut surfaces of these nodules were firm, glistening gray-tan.

Contributor: E. R. Jennings, M.D. **Case No. 2 - January 2006**
Long Beach, CA

Tissue from: Submandibular gland **Accession #13150**

Clinical Abstract:

For eleven years, this 34 year old woman had noticed a slowly enlarging painful mass under the right side of her mandible. Physical examination showed a 4 cm hard nodular mass in the right submandibular region. There was no cervical lymphadenopathy.

Gross Pathology:

The 20 gram, 5 x 3 x 2.5 cm nodular mass was completely encapsulated. The bulging cut surface was soft, yellow-tan and had small cystic foci.

Contributor: **E. Jenning, M.D.**
Long Beach, CA

Case No. 3 - January 2006

Tissue from: **Parotid gland**

Accession #12899

Clinical Abstract:

Three years after first noticing a mass in her left parotid region, this 57 year old woman complained that the mass was becoming painful. Physical examination showed a rubbery, movable 3 x 5 cm mass attached to the lower pole of the left parotid gland.

Gross Pathology:

Within the 6 x 4 x 4 cm portion of resected parotid gland was a 2.5 cm pink, finely lobulated, well circumscribed nodule.

Contributor: **Bernard McDonald**
Downey, CA

Case No. 4 - January 2006

Tissue from: **Parotid gland**

Accession #23916

Clinical Abstract:

While he has shaving, a 56 year old man noticed a mass in his left upper neck. Physical examination showed a 3 cm diameter firm, fixed mass in the region of the left parotid.

Gross Pathology:

The 14 gram spherical, lobulated mass had a homogeneous, somewhat opalescent cut surface.

Contributor: Peter Morris, M.D. **Case No. 5 - January 2006**
Santa Barbara, CA

Tissue from: Right tonsillar fossa **Accession #29531**

Clinical Abstract:

About one month prior to presentation, this 63 year old man began having respiratory distress and pain when he reclined on his left side. Examination showed a large mass filling the oro- and hypopharynx. He had no history of smoking or drinking. At surgery, a solid, non-ulcerated mass was found arising from the right tonsillar fossa, filling the vallecula and extending downward, nearly to the arytenoids. The vocal cords appeared normal.

Gross Pathology:

The 16 gram specimen had a 3.5 x 3.2 x 3 cm firm, solid, white to yellow-pink mass covered by intact glistening mucosa.

Contributor: Mark Janssen, M.D. **Case No. 6 - January 2006**
Anaheim, CA

Tissue from: Parotid gland **Accession #29915**

Clinical Abstract:

This 25 year old woman had had a mass in her left parotid gland for about 1 year.

Gross Pathology:

The 22.5 gram, 4.5 x 4 x 2.5 cm shaggy salivary gland specimen had a well circumscribed 2.5 x 2 x 1.5 cm homogeneous tan nodule.

Contributor: Philip Gordon, M.D. **Case No. 7 - January 2006**
Winter Haven, FL

Tissue from: Parotid gland **Accession #30198**

Clinical Abstract:
This 54 year old woman presented with a rapidly enlarging right parotid mass.

Gross Pathology:
The 30 gram parotid resection specimen was largely replaced by an ill-defined 3.5 cm diameter fleshy mass.

Contributor: Mark Janssen, M.D. **Case No. 8 - January 2006**
Anaheim, CA

Tissue from: Parotid gland **Accession #29561**

Clinical Abstract:
Shortly before presentation, this 70 year old woman noticed a mass in the region of her left parotid. Physical examination showed a firm 3 cm mass in the tail of the left parotid. There was no asymmetry of facial movement.

Gross Pathology:
The 24.6 gram, 6 x 4 x 2.5 cm salivary gland resection specimen showed an ill-defined 3 x 3 x 2.2 cm yellow-white mass with foci of hemorrhage.

Special Studies:

Androgen receptor	positive
ER/PR	negative
Pan-cytokeratin	positive
GCDFP-15/BRST-2	focally positive

Contributor: Lester Thompson, M.D. **Case No. 9 - January 2006**
Woodland Hills, CA

Tissue from: Cervical lymph nodes **Accession #30275**

Clinical Abstract:

Shortly after being diagnosed with cat scratch disease, this 64 year old man, with a 40 pack-year smoking history, presented with enlarged cervical lymph nodes. When the enlargement did not resolve with antibiotic therapy, the nodes were excised.

Gross Pathology:

The resection specimen included a 3.2 cm cystic mass with multiple small papillary projections into the lumen.

Contributor: Priya Gulati, M.D. **Case No. 10 - January 2006**
Sacramento, CA

Tissue from: Parotid gland **Accession #29951**

Clinical Abstract:

A slowly enlarging mass had been present in the right neck of this 73 year old man for about 1 year. He reported no associated pain, numbness or paralysis. CT scan showed a discrete mass. Physical examination showed a soft 3 cm diameter mass.

Gross Pathology:

The resection specimen contained a 2.5 x 2.1 x 1.9 cm soft, well-circumscribed yellow-orange nodule.