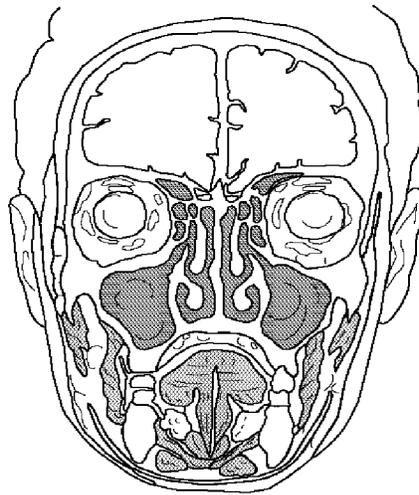


**CALIFORNIA
TUMOR TISSUE REGISTRY**

**Head & Neck Neoplasms
Study Cases, Subscription B**

March, 2008



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
11021 Campus Avenue, AH 335
Loma Linda, California 92350
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FAX: (909) 558-0188
E-mail: cttr@linkline.com
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:

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: Jozef Kollin, M.D.
Lakewood, CA

Case No. 1 - March, 2008

Tissue from: Right intranasal area

Accession #30319

Clinical Abstract:

A 44-year-old man presented with an intranasal septal mass.

Gross Pathology:

The 6 gram specimen consisted of gray-white to tan, soft and papillary tissue, the largest piece measuring 3.0 x 3.0 x 1.0 cm.

Contributor: Weldon K. Bullock, M.D.
Los Angeles, CA

Case No. 2 - March, 2008

Tissue from: Ethmoid sinus

Accession #24954

Clinical Abstract:

After experiencing difficulty breathing out of her left nostril, a 59-year-old woman consulted her physician. On examination, a large mass appeared to be arising from the left ethmoid vault.

Gross Pathology:

The specimen consisted of 18 grams of nodular, blood-covered tissue and one light tan, polypoid mass which measured 3.0 x 1.0 x 1.0 cm. On sectioning, the mass was cystic and contained white, mucoid material. The blood-covered masses ranged in size from 2.0 x 1.0 x 1.0 cm to 2.5 x 1.5 x 1.5 cm. Many of those had cystic interiors on sectioning, with cysts up to 1.0 cm in dimension. The cut surfaces varied in color from mottled white to red to yellow.

Contributor: Lester Thompson, M.D.
Woodland Hills, CA

Case No. 3 - March, 2008

Tissue from: Buccal mucosa

Accession #30398

Clinical Abstract:

An 84-year-old woman presented with a slowly-enlarging mass within the buccal mucosa. Mucosal ulceration was not present, but the mass was firm to palpation. Radiographic studies demonstrated an inhomogeneous mass.

Gross Pathology:

At resection, a 3.2 cm mass was identified below an intact mucosa.

Contributor: Robert Zuch, M.D.
Baldwin Park, CA

Case No. 4 - March, 2008

Tissue from: Right parotid gland

Accession #30365

Clinical Abstract:

A non-painful, 2.0 to 2.5 cm nodule was removed from the right parotid area of a 66-year-old woman during examination. The nodule had been present for many years.

Gross Pathology:

The 5.2 x 3.2 x 2.2 cm resected salivary gland was largely replaced by a firm, gritty, white-tan tumor measuring up to 2.2 cm.

Contributor: Douglas Hanks, M.D.
San Francisco, CA

Case No. 5 - March, 2008

Tissue from: Right parotid gland

Accession #30485

Clinical Abstract:

A 54-year-old man presented with a rapidly growing right parotid mass with accompanying facial pain. The patient had a history of pleomorphic adenoma excision from the right parotid gland fifteen years previously.

Gross Pathology:

The tumor consisted of a 3.0 cm diameter firm, white fibrous nodule containing golden yellow nodules with calcifications.

Contributor: D. N. Halikis, M.D.
Los Angeles, CA

Case No. 6 - March, 2008

Tissue from: Left parotid gland

Accession #24228

Clinical Abstract:

For approximately 45 years, a 78-year-old man had noticed a slow-growing mass beneath the left ear. Over the last two years the mass had been growing more rapidly. In the past, the patient had reduced the size of the mass by sticking a needle into it and withdrawing clear fluid. On physical examination, a 10.0 cm mass was identified over the left sternocleidomastoid muscle.

Gross Pathology:

The 8 x 7 x 4.5 cm multinodular tumor was covered in part by skin and appeared to invade the sternocleidomastoid muscle. The cut surfaces were white-tan and variegated, with multiple cysts up to 2.0 cm in diameter. Focal soft, red-purple, papillary areas were also noted.

Contributor: Xuedong Wang, M.D., Ph.D.
Pasadena, CA

Case No. 7 - March, 2008

Tissue from: Right maxilla, base of skull

Accession #30247

Clinical Abstract:

A 45-year-old woman was found to have an invasive mass involving her maxillary sinus.

Gross Pathology:

The composite resection specimen included of a portion of maxilla, skull base, inferior and middle turbinates, and a 7.0 x 6.5 x 3.5 cm lobulated mass with an additional 6 x 3 x 2.2 cm lobulated polypoid mass attached to the mucosa above the middle turbinate. .

Special Studies:

Positive: NSE, Synaptophysin, S-100 protein.

Negative: AE1/AE3, CAM 5.2, Chromogranin, LCA, Cytokeratin

Contributor: Carol Solomon, M.D.
San Diego, CA

Case No. 8 - March, 2008

Tissue from: Anterior maxilla

Accession #30393

Clinical Abstract:

A 31-year-old man presented with an 11-month history of a sessile, lobular, progressively enlarging lesion in the anterior facial maxillary gingival with palatal expansion.

Gross Pathology:

The 6.6 x 5.3 x 5.0 cm maxillary resection specimen included a firm facial gingival mass in the area of teeth #11 and 12.

**Contributor: Donald Rankin, M.D.
Fontana, CA**

Case No. 9 - March, 2008

Tissue from: Neck

Accession #24839

Clinical Abstract:

This 77-year-old man had a mass in his left upper neck, posterior to the submandibular gland. Past surgery included two prior excisions of parotid masses.

Gross Pathology:

The specimen consisted of a 4.2 cm mass.

Special Studies:

Positive: Mucicarmine

**Contributor: William Cowell, M.D.
Oceanside, CA**

Case No. 10 - March, 2008

Tissue from: Nasopharynx

Accession #23938

Clinical Abstract:

Four years after undergoing surgery for a recurrent parotid tumor, a 79-year-old man presented with masses in the nasopharynx and right upper neck.

Gross Pathology:

The 3.0 x 2.4 cm specimen contained a 1.9 x 1.5 cm mass with a focally hemorrhagic and cystic cut surface. The mass appeared well-encapsulated and was surrounded grossly by adipose tissue. A separately submitted tumor fragment was 4.0 x 3.5 cm and had a white-tan parenchyma with foci of chondroid-like areas.