CALIFORNIA
TUMOR TISSUE REGISTRY

"SOFT TISSUE PATHOLOGY"

Study Cases, Subscription A

October 2007

California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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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 a maximum of 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: Guillermo Acero, M.D. **Case No. 1 - October 2007 A**
Ojai, CA

Tissue from: Parascapular region **Accession #30201**

Clinical Abstract:

An 83 year old man was noted to have an enlarging parascapular mass over several months. An ultrasound showed a heterogeneous process under the skin, without invasion of the adjacent bone.

Gross Pathology:

A 6 x 5 x 2 cm portion of skin and underlying tissue had a central ulceration. The cut surface showed extensively necrotic tissue.

Contributor: Edmund Low, M.D. **Case No. 2 - October 2007 A**
Sun Valley, CA

Tissue from: Parotid **Accession #23564**

Clinical Abstract:

This 5 year old child had a history of a mild upper respiratory tract infection, after which a mass was noted near the left ear canal. This was interpreted as a cyst extrinisic to the ear canal. At surgery, a beefy red mass was found within the tail of the left parotid, compressing the anterior wall of the external auditory canal.

Gross Pathology:

The 3.0 x 2.5 x 1.5 cm specimen consisted of an encapsulated lobular rubbery-firm portion of dusky red tissue. The cut surface was uniformly red.

Contributor: Wafa Michael, M.D. **Case No. 3 - October 2007 A**
Fontana, CA

Tissue from: Right shoulder **Accession #30450**

Clinical Abstract:
A 41 year old man noted a mass in his right shoulder.

Gross Pathology:
The resection specimen was a 7 x 6 x 3 cm portion of lobulated yellow adipose tissue surmounted by a 7.5 x 3.0 cm ellipse of skin. The cut surface of the mass was rubbery firm.

Contributor: Mark Janssen, M.D. **Case No. 4 - October 2007 A**
Anaheim, CA

Tissue from: Right postauricular tissue **Accession #30377**

Clinical Abstract:
A 53 year old man present with a right post-auricular mass.

Gross Pathology:
This 2.8 x 2.5 x 1.5 cm well-encapsulated portion of nodular soft tissue had a golden yellow, glistening whorled trabecular cut surface.

Contributor: Beverly J. Myers, M.D. **Case No. 5 - October 2007 A**
Roseville, CA

Tissue from: Left thigh **Accession #30324**

Clinical Abstract:

A 64 year old man presented with a slowly enlarging mass in his left thigh. At surgery, the mass was well encapsulated but appeared to be associated with a nerve, from which it was excised.

Gross Pathology:

The 75 gram specimen was 7.5 x 5.5 x 3.6 cm and consisted of a smooth surfaced white-gray mass with a solid pink-white cut surface.

Contributor: Jin Wang, M.D. **Case No. 6 - October 2007 A**
Hangzhou, People's Republic of China

Tissue from: Right kidney **Accession #30271**

Clinical Abstract:

A 35 year old woman was found to have a right renal mass.

Gross Pathology:

A 13 x 7 x 4 cm kidney had a 4 x 4 cm mass in the upper pole, near the hilum. The mass was clearly delimited and had a gray-white and dark red cut surface.

Contributor: Robert Zuch, M.D. **Case No. 7 - October 2007 A**
Baldwin Park, CA

Tissue from: Left ankle **Accession #30470**

Clinical Abstract:
A 23 year old man complained of a slightly painful mass in his left ankle. He had no other medical problems and no family history of significant disease.

Gross Pathology:
The 5.8 cm diameter ovoid nodular mass had a whorled white-tan cut surface with foci of cystic degeneration.

Contributor: Jeannie Muir-Padilla, M.D. **Case No. 8 - October 2007 A**
Universal City, TX

Tissue from: Mediastinum **Accession #30159**

Clinical Abstract:
A 24 year old man presented with shortness of breath. A CT scan showed a hypodense mass involving the left thoracic cavity and anterior mediastinum. A large pleural effusion with associated atelectasis was also noted.

Gross Pathology:
The specimen was a 780 gram aggregate of white-gray tissue showing areas of hemorrhage, necrosis and myxoid material.

Special Studies:
Positive: Vimenin, desmin, Myo-D1
Negative: S100, Pancytokeratin, LCA, CD34, CD31, Chromogranin, Synaptophysin

Contributor: Robert Zuch, M.D. **Case No. 9 - October 2007 A**
Baldwin Park, CA

Tissue from: Right posterior leg **Accession #30438**

Clinical Abstract:
A 69 year old woman had a slowly growing mass in the soft tissue near her right tibia.

Gross Pathology:
Beneath a 7.2 x 1.8 cm ellipse of skin, in the underlying resected soft tissue, was a 5.0 x 5.0 x 3.2 cm bulging well defined white tan mass with central hemorrhage.

Contributor: Jin Mei, M.D. **Case No. 10 - October 2007 A**
Hangzhou, People's Republic of China

Tissue from: Lung/Right buttock **Accession #30330**

Clinical Abstract:
A 43 year old woman presented with a right buttock mass, noticed about 20 days earlier. Work-up showed bilateral pulmonary masses. At surgery, an encapsulated mass was removed from deep within the gluteus maximus muscle, near the ischium. A wedge resection of a pulmonary mass was also performed.

Gross Pathology:
The buttock mass was 6 x 4 x 4 cm and the lung mass was 1.8 x 1.5 x 1.5 cm. Both had a mucinous cut surface.