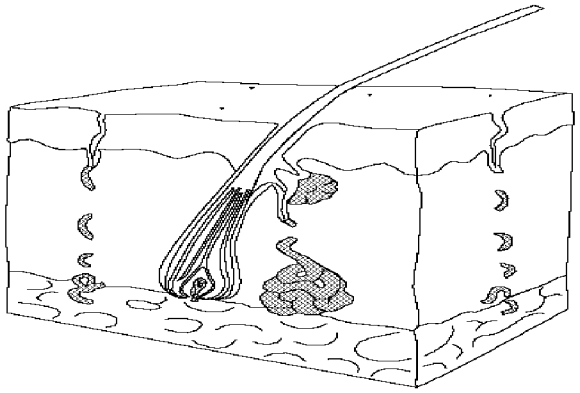
CALIFORNIA
TUMOR TISSUE REGISTRY

# "SKIN PATHOLOGY"

## Study Cases, Subscription B

## February 1999



**California Tumor Tissue Registry**
**c/o: Department of Pathology and Human Anatomy**
**Loma Linda University School of Medicine**
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**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: Roger Terry, M.D.** **CASE NO. 1 - FEBRUARY 1999**
**San Gabriel, CA**

**TISSUE FROM: Left anterior medial leg** **ACCESSION #28302**

**CLINICAL ABSTRACT:**

A 69-year-old Hispanic female developed a lump in the right pretibial leg just below the knee. It had appeared somewhat abruptly and had been present for about two years at the time of presentation. A similar somewhat smaller lump in the left anterior medial leg adjacent to the tibia had been present for two months. Neither were red or tender.

**GROSS PATHOLOGY:**

The 4.0 x 1.7 x 1.3 cm specimen consisted of an oval portion of firm tan tissue with a generally smooth glistening outer surface. The cut surface was a variegated tan-yellow.

SPECIAL STAINS:

Congo red stain faintly positive by polarized light

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**CONTRIBUTOR: Weldon K. Bullock, M.D.** **CASE NO. 2 - FEBRUARY 1999**
**Los Angeles, CA**

**TISSUE FROM: Skin** **ACCESSION #12777**

**CLINICAL ABSTRACT:**

Tissue is from a 25-year-old African American man.

**GROSS PATHOLOGY:**

Brown-gray skin covered a 4.0 cm diameter peduculated mass, which extended 2.5 cm above the surrounding skin. Sectioning revealed whorled, yellow-gray, glistening, lobulated tissue.

**CONTRIBUTOR: Loma Linda Pathology Group (drc) CASE NO. 3 - FEBRUARY 1999**
**Loma Linda, CA**

**TISSUE FROM: Left upper arm** **ACCESSION #28308**

**CLINICAL ABSTRACT:**

This 19-year-old male developed a mass on his left upper arm about 10-12 months earlier. It had grown rapidly over the last six months.

**GROSS PATHOLOGY:**

The 2.7 cm diameter circular portion of tan-brown, wrinkled skin had a central 2.2 x 1.9 cm tan nodule.

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**CONTRIBUTOR: Arthur Koehler, M.D.** **CASE NO. 4 - FEBRUARY 1999**
**Pasadena, CA**

**TISSUE FROM: Back** **ACCESSION #28038**

**CLINICAL ABSTRACT:**

This 80-year-old male presented with a 2 cm diameter non-ulcerated mass on the mid-upper back. The patient had had multiple nodules removed in the past.

**GROSS PATHOLOGY:**

The 5.7 x 2.6 x 1.5 cm ellipse of skin had a 2.5 cm diameter irregular area of epithelial thickening without pigmentation.

**CONTRIBUTOR: Sylvan Cohen, M.D.**
**Woodland Hills, CA**

**CASE NO. 5 - FEBRUARY 1999**

**TISSUE FROM: Left heel**

**ACCESSION #25849**

**CLINICAL ABSTRACT:**

This 42-year-old male presented with a gradually enlarging tender mass on his left heel. He denied any history of trauma or puncture wound to that area.

**GROSS PATHOLOGY:**

The 3.9 x 1.7 cm skin ellipse had a central 1.5 cm flat firm area. Sectioning revealed a 2.0 cm granular nodule on the deep aspect of the specimen.

SPECIAL STUDIES:

| | |
|---|---|
| Keratin | negative |
| S-100 | positive |

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**CONTRIBUTOR: James McCusker, M.D.**
**Woodland, CA**

**CASE NO. 6 - FEBRUARY 1999**

**TISSUE FROM: Scalp**

**ACCESSION #28184**

**CLINICAL ABSTRACT:**

A 74-year-old Hispanic male developed "pruritic pimple" on his scalp. It was treated with antibiotics since he had scratched it and the area had become infected. The mass continued to grow and it was excised.

**GROSS PATHOLOGY:**

The 3.0 x 2.0 x 1.5 cm portion of tan, hair-bearing skin was friable and blood-covered. Multiple cross sections revealed a 0.7 cm diameter central blood filled cavity.

**CONTRIBUTOR: Nelson Quigley, M.D.** **CASE NO. 7 - FEBRUARY 1999**
**Anaheim, CA**

**TISSUE FROM: Left gluteal** **ACCESSION #28466**

**CLINICAL ABSTRACT:**

This 30-year-old male had had a lump in the left gluteal area for seven months. It ulcerated about two month prior to presentation.

**GROSS PATHOLOGY:**

The 41.0 gram specimen consisted of a 5.6 x 5.3 x 3.5 cm mushroom-shaped portion of gray-tan tissue with an adipose tissue base and an ulcerated skin surface. The cut surface of the mass was firm, whorled and white to pink-white.

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**CONTRIBUTOR: John Sacoolidge, M.D.** **CASE NO. 8 - FEBRUARY 1999**
**Sylmar, CA**

**TISSUE FROM: Right arm** **ACCESSION #28430**

**CLINICAL ABSTRACT:**

This 43-year-old female with a 1 ½ year history of a mass in the right upper arm which had started as a freckle and grew. At the time of presentation, she had a 10 cm diameter fungating ulcerated mass in her arm.

**GROSS PATHOLOGY:**

The 294 gram specimen consisted of an 11.0 x 11.0 x 4.5 cm pedunculated ulcerated mass with a rim of normal skin. The tumor was multinodular with areas of necrosis. The nodules varied from yellow-gray to dark black.

**CONTRIBUTOR: H. Russell Fisher, M.D.**
**Los Angeles, CA**

**CASE NO. 9 - FEBRUARY 1999**

**TISSUE FROM: Right leg**

**ACCESSION #8783**

**CLINICAL ABSTRACT:**

This 86-year-old Caucasian female had a several year history of a gradually enlarging mass on the posterior aspect of the right leg. About six weeks prior to surgery, it became ulcerated and started bleeding.

**GROSS PATHOLOGY:**

The 7.5 x 3.0 cm ellipse of skin had a central 1.4 cm diameter cylindrical mass. The cut surface showed irregularly hemorrhagic striated white tissue extending into the subcutaneous fat where it formed a bulbous expansion 2.0 cm in diameter. The portion of the tumor tissue which extended into the subcutaneous area appeared to be surrounded by a fibrous capsule which sharply delineated it from the surrounding subcutaneous fat.

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**CONTRIBUTOR: Harry C. Pappas, M.D.**
**Lancaster, CA**

**CASE NO. 10 - FEBRUARY 1999**

**TISSUE FROM: Foot**

**ACCESSION #26439**

**CLINICAL ABSTRACT:**

This 84-year-old housewife had had a nodule on the foot for about 1 year. The lesion ulcerated and an excisional biopsy was performed.

**GROSS PATHOLOGY:**

Gross description not available.