Dermatopathology Slide Review Part 35

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Smooth Muscle Actin
Cutaneous Leiomyosarcoma
Pearls

- Cytologically malignant spindle cell neoplasm
- May abut to overlying epidermis
- Intersecting fascicles with perinuclear clearing
- Increased mitotic figures
- DDX: AFX, Sarcomatoid carcinoma, melanoma, angiosarcoma
- Use IHC to confirm-SMA+
Lupus Vulgaris
Pearls

- Caseating granulomatous infiltrate with Langhans type giant cells
- AFB/Fite stains usually negative
- Complete with PAS stain
- Clinical hx of Mycobacterial infection
Trichofolliculoma
Pearls

- Dilated hair follicle with several pilosebaceous units emptying into it
- Dermal circumscribed tumor which may show epidermal attachment
- Characteristic clinical presentation
Cutaneous Tuberculosis
Pearls

- Multiple suppurative and caseating granulomas with giant cells
- Use both Acid Fast and Fite stains to confirm
- Add PAS/Gram to rule out other micro-organisms
- Rule out leprosy
Malignant Melanoma, Metastatic to Soft Tissue
Pearls

- Pleomorphic tumor which may show biphasic (epithelioid and spindled) appearance
- May not have melanin cytoplasmic pigment
- IHC to confirm
- Rule out metastatic carcinoma, sarcoma, and lymphoma