Dermatopathology Slide Review Part 68

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Dermatofibroma
Pearls

- Cellular spindle cell tumor in dermis separated from epidermis by a Grenz zone
- May see hyperplastic epidermis with follicular induction
- Note the “root-like” extension of the spindle cells with the fat, contrasting with the “Swiss-cheese” pattern of spindle cells and fat with DFSP
Nephrogenic Systemic Fibrosis
(Nephrogenic Fibrosing Dermopathy)
Pearls

- Square biopsy sign with diffuse dermal fibrosis
- No atypia of fibroblasts
- May have increase in mucin ground substance
- Fibroblasts positive for F. XIIIa and CD34
- DDX: Morphea, Scleromyxedema
Congenital Melanocytic Nevus
Pearls

- Benign melanocytic nevus with variable compound or intradermal presentations
- Usually not symmetrical with splaying of collagen fibers, extension into adnexal structures, and arrector pilae muscles
- Bland nuclear cytology with maturation
Rheumatoid Neutrophilic Dermatosis
Pearls

- Nodular and diffuse collection of neutrophils
- No vasculitis
- DDX: Neutrophilic dermatosis-rule out Sweet’s, pyoderma gangrenosum, bowel bypass syndrome, Sweet’s-like hypersensitivity reaction
Lymphomatoid Papulosis
CD30
Pearls

- Mixed inflammatory cell infiltrate, often lichenoid
- High power look for atypical cells with cerebriform or Hodgkin-like changes
- Confirm with CD30
- DDX: Anaplastic Large cell lymphoma CD30+ will have infiltrate consisting predominately of atypical cells