Mucocele
Pearls

- Look for minor salivary glands and squamous mucosa - location is key!
- Pseudocyst lined by muciphages
- Extravasated mucin in stroma with muciphages
Nodular and Cystic Hidradenoma
Pearls

- Circumscribed dermal nodule with varying solid and cystic change
- Squamous epithelial cells with clear cell changes admixed with small vessels
- Hyalinization around vessels
Chondrodermatitis Nodularis Helicis
Pearls

- Usually epidermal hyperplasia with scar
- Look for cartilage with eosinophilic degenerative changes
- May see proliferation of perichondrocytes within the dermis
Invasive Squamous Cell Carcinoma with Acantholytic Features
Pearls

- Squamous cell carcinoma with discohesion between malignant keratinocytes
- Invasive pattern with squamous pearls and dyskeratosis
- Look for cytologically malignant keratinocytes
Scleredema
Pearls

- Square biopsy sign indicative of a sclerotic or infiltrative process
- Minimal to absent inflammatory cell infiltrate
- May see slit-like separation of thickened collagen bundles within reticular dermis
- Confirm my mucin stains (colloidal iron, Alcian blue/PAS, mucicarmine)