What is the best diagnosis?

A. Pilomatrixoma
B. Chondrodermatitis nodularis helicis
C. Nodular amyloidosis
D. Ganglion cyst
E. Gouty tophus
Nodular Amyloidosis
Pearls

- Hyalinized acellular eosinophilic deposit with cracking
- May have adjacent plasma cells and histiocytes
- Confirm with Congo Red stain showing apple-green birefringence with polarized light examination
What is the best diagnosis?

A. Epidermal inclusion cyst
B. Pilar (Isthmus Catagen) cyst
C. Pilomatricoma
D. Apocrine Hidrocystoma
E. Steatocystoma
Steatocystoma
Pearls

- Epidermal cyst with “corrugated” eosinophilic cuticle like lining
- Sebaceous lobules embedded within epidermal wall
- No vellus hairs, confirm by polarized light examination
What is the best diagnosis?

A. Halo nevus
B. Lichen planus-like keratosis
C. Cutaneous lymphadenoma
D. Nodular Lymphadenoma
E. Arthropod bite
Halo Nevus
Pearls

- Apply similar histopathological criteria to grade the degree of cytologic and architectural atypia for the melanocytic component.
- May require IHC stains to separate melanocytes from lymphoid cells.
What is the best diagnosis?

A. Cellular dermatofibroma
B. Atypical fibroxanthoma
C. Reticulohistiocytoma
D. Monophasic synovial sarcoma
E. Dermatofibrosarcoma protuberans
Dermatofibrosarcoma protuberans
D2-40 (podoplanin)
Pearls

- Cellular spindle cell neoplasm localized to dermis, usually separated from overlying epidermis by Grenz zone
- Tight storiform configuration with minimal cytological atypia and only rare mitotic figures
- Characteristic infiltration of subQ fat with sieve-like configuration
- May confirm with CD34 and bcl-2 positivity and negative staining for D2-40 and Factor XIIIa.
What is the best diagnosis?

A. Gouty tophus
B. Rheumatoid nodule
C. Necrobiosis lipoidica
D. Sarcoidosis
E. Epithelioid sarcoma
Rheumatoid nodule
Pearls

- Palisading necrobiotic granuloma, usually localized in reticular dermis
- Surrounded by epithelioid histiocytes and giant cells with minimal atypia
- Polarization negative for refractile particles
- DDX: Foreign body, Need AFB, FITE, PAS/GMS to rule out infection