

Cutaneous Mucinoses

(Weedon Chapter 13)

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Stains that are helpful in identifying mucin include all except:

- A. Aldehyde-fuchsin
- B. Giemsa
- C. Toluidine blue
- D. Alcian blue at pH 2.5
- E. Colloidal iron

Answer A

Aldehyde-fuchsin stains elastic fibers

Metachromatic granules may be found in which histopathologic location in mucopolysaccharidoses except?

- A. Fibroblast cytoplasm
- B. Eccrine sweat glands
- C. Endothelial cells
- D. Epidermal keratinocytes
- E. Stratum corneum

Answer E

Stratum corneum has not classically been identified as a location of the metachromatic granules.

Correct associations with pretibial myxedema include all except:

- A. Clinical location may be gravity dependent
- B. Elastic fibers may be increased
- C. Hemosiderin dermal deposits
- D. Mucin predominately within the mid and lower third of the dermis
- E. No increase in fibroblasts

Answer B

Elastic fibers may show fragmentation or a reduction.

Histopathological findings in scleromyxedema include all except:

- A. Increased fibroblasts
- B. Fragmented elastic fibers
- C. Mucinosis limited to the dermal papillae
- D. Atrophy of pilosebaceous units
- E. Perivascular mixed cell dermatitis

Answer C

Mucinosis is increased within the upper and mid-dermis, associated with the increase in fibroblasts

Correct associations with follicular mucinosis include all except:

- A. Association with Carney's complex
- B. Monoclonal T-cell population in cases not associated with a cutaneous T-cell lymphoma
- C. No Pautrier microabscesses in primary form
- D. No clear distinction between benign transient cases and cutaneous T-cell lymphoma
- E. May be a secondary finding in cases of discoid lupus erythematosus

Answer A

Carney's complex is not classically associated with follicular mucinosis but is associated with cutaneous myxoma.