Cutaneous Mucinoses
(Weedon Chapter 13)

Paul K. Shitabata, M.D.
Dermatopathology Institute
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.