Digital mucous cyst, myxomatous type

Deba P Sarma, MD
Omaha
Digital mucous cyst, myxomatous type

M 50, right index finger

Ulcerated epidermis with dermal cyst containing pale blue mucinous material within a loose vascular stroma. There is no epithelial lining of the cyst
Digital mucous cyst: Two types

1. **Myxomatous type:**
   Focal papular mucinosis (Digital myxoma), near the proximal nail fold.

   Area of pale blue mucinous material in dermis with cyst formation without any lining.

   Mucin is hyaluronic acid and it stains with colloidal iron or alcian blue stain.

   Overlying epidermis is thin or ulcerated.

2. **Ganglion type:**
   Located near the distal interphalangeal joint on the dorsum of finger, representing a ganglion cyst.

   Cyst is lined by flattened synovial epithelial cells and contains hyaluronic acid-rich mucinous material.