

# Dermatopathology Differential Diagnosis Change in Fat

Paul K. Shitabata, M.D.  
Dermatopathology Institute

# Must Know Diseases

Disease	Differentiating Traits
Angiolipoma	Normal adipocytes, increased numbers of vessels with fibrin
Erythema induratum	Vasculitis and lobular mixed inflammation, panniculitis>vasculitis
Erythema nodosum	Septal thickening with giant cells, sometimes eos
Lipodermatosclerosis	Pink arabesques of membranes replacing adipocytes
Lupus profundus	Hyaline fat necrosis, lymphocytic lobular infiltrate
Pancreatic fat necrosis	Ghost-like necrosis of fat, +/- calcifications
Polyarteritis nodosa	Vasculitis of medium-sized vessels, often at dermal-subcutis junction, vasculitis>panniculitis
Subcutaneous fat necrosis of newborn	Crystalline shapes and inflammation within fat lobules
Subcutaneous T-cell lymphoma	Rimming of adipocytes with atypical lymphocytes

# Rarer Diseases

Disease	Differentiating Traits