

Dermatopathology Differential Diagnosis Spindle Cells

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Must Know Diseases

Disease	Differentiating Traits
Blue nevus, cellular	Bulbous projection into deeper dermis, some cells have melanin pigment
Dermatofibroma	Collagen entrapment at periphery, epidermal acanthosis
Dermatofibrosarcoma protuberans	Monomorphous cells in cartwheel arrangement, infiltration into fat
Infantile digital fibromatosis	Bright pink cytoplasmic inclusions
Leiomyoma	Cigar shaped nuclei in long fascicles
Neurofibroma	Wavy nuclei, mast cells, bubble gum pink stroma
Nodular fasciitis	Tissue culture fibroblasts, extravasated erythrocytes, often deep in fat
Palisaded encapsulated neuroma	Clefts between collections of spindle cells with nuclear palisading
Scar	Spindle cells arranged parallel to epidermal surface
Schwannoma	Verocay bodies, myxoid areas, encapsulated

Rarer Diseases

Disease	Differentiating Traits