CLINICAL IMAGES

Deposition of Mucopolysaccharides in Myeloids

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Figure showing Mucopolysaccharide deposition in Neutrophil.

Mucopolysaccharidosis (MPS) are a group of metabolic disorders caused by the absence of lysosomal enzymes needed to break down molecules called glycosaminoglycans that help to build bone, cartilage, tendon, cornea, skin and

connective tissue. The material is granular and PAS positive by light microscopy. By electron microscopy it appears in the swollen lysosomes and can be identified as Mucopolysaccharides.

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