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## Role of imaging in the assessment of paediatric muscle diseases

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Muscle diseases represent a group of variable diseases which are rare hereditary or variable nonhereditary diseases. MRI represents an important diagnostic modality owing to its high soft tissue contrast allowing excellent assessment of striated muscles and full disease extent. Also, many new technical innovations can be introduced to increase its diagnostic capabilities. The aim of this presentation is to discuss their impact upon the advancement of MRI diagnostic capability. Moreover, CT scan has been introduced as a valuable tool for the evaluation of muscle diseases particularly calcification which characterizes and correlates with the extent of idiopathic inflammatory myopathies especially dermatomyositis. The major role of diagnostic imaging is to demonstrate the extent and distribution of muscle involvement, localize the appropriate site for biopsy, and monitor the response to therapy.

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