

Imaging of Vascular Lesions in Pediatrics

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Abstract

Background: The most common soft tissue tumors during infancy and childhood are vascular lesions. Although the vast majority of these lesions have typical clinical features with no need for any further exam, but sometimes atypical superficial or deeply located lesions require complementary studies to be diagnosed and classified. In that way it is also very important to exclude very less common malignant soft tumors. Imaging studies play an essential role for categorization of vascular lesions before taking any therapeutic decision.

Methods: Vascular tumors such as hemangiomas and vascular malformations have their own imaging characteristics to be classified. Although MRI is the best imaging modality because of its excellent soft tissue resolution, but Ultrasound and Color Doppler studies are the first step and sometimes preferred imaging approach in most of the cases. This is a review article to describe different types of vascular lesions in childhood and infancy and explain various imaging findings of each one.

Keywords: Imaging, Pediatrics, Vascular

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