

Rare Variants of Diffuse Bilateral Renal Lesion in the Practice of Ultrasound Diagnostics of Emergency Children's Hospital

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Abstract

Kidney disease was and remains one of the main reasons for performing ultrasonography in children. Despite the rich experience of research in this area, there are still situations where gross bilateral structural changes in the kidneys are extremely difficult to interpret due to the extreme rarity of the pathology. Such cases include, in particular, nephroblastomatosis, 4 confirmed observations of which are presented in this publication. As a differential diagnosis, cases of severe nephrotic syndrome, including congenital syndrome, and rare variants of acute renal damage in the debut of lymphoproliferative diseases, when the kidneys also look dramatically enlarged and unstructured, have been demonstrated. Also one case of undifferentiated renal tissue dysplasia, which is echographically identical to nephroblastomatosis, and 16 observations of multiple foci of regeneration of the renal parenchyma in children with bilateral obstructive uropathies, which currently have no morphological evidence, are shown. The publication contains a review of the literature and is extensively illustrated.

Key words: Ultrasonography, Children, Nephroblastomatosis, Acute Renal Damage, Nodulus of the Renal Parenchyma Regeneration.

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