

Neurosonography in the Diagnostics of Sinus-Thrombosis in Infants

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Abstract

The incidence of sinus thrombosis (CSVT) in neonates is unknown and varies between 0,4–0,7 cases per 100 000 children per year according to different authors, and more than 40 % of childhood CSVT occurs within the neonatal period. The aim of the study was to evaluate the possibilities of neurosonography in the detection of CSVT in children of the first months of life. In this study 106 cases of CSVT were collected in 57 infants the half of whom was the first 14 days of life. The prematurity of 2–3d degrees took place in 33 % of cases, the metabolic and/or hematological diseases themselves were confirmed in a small percentage of patients – 6/57 (10,5 %). The abnormality of the cerebral vascular bed took place in 1 case – a giant arteriovenous dural malformation. Surgical interventions that preceded the detection of CSVT underwent 32/57 (61 %) patients. In 70 % of patients there were significant associated brain lesions, predominantly hemorrhagic. The main technical methods of scanning aimed at visualization of sinuses are determined, the variants of sonographic visualization of CSVT of different localization are presented. The sonographic dynamics of CSVT has been traced (the tendency to spontaneous lysis of CSVT in 2–6 weeks). The article is widely illustrated, accompanied by a review of the literature.

Key words: Magnetic Resonance Mammography, Young Women, Breast Cancer, BI-RADS Scale.

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