

Ultrasound Diagnostic of the Neonatal Testicular Torsion

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Abstract

We reviewed the cases of antenatal testicular torsion diagnosed over the last 10 years. Twenty-five newborn were included (average age $2,4 \pm 0,39$ days, range 0–37). All except 2 patient were full-term newborns with normal or above average birth weight. All patients underwent a sonography and real-time color Doppler ultrasound study of the scrotum before any surgical procedure. The results of the echography and the review of the literature is present. No viable testicles were found. The risks of early anesthesia in the immediate postdelivery period must be weighed against the chances of a successful outcome of the operation in preserving testicular function. That why, we suggest to differ 2 variants of the antenatal testicular torsion: acute/subacute, when successful outcome of the operation is minimal, but possible, and a long-time-past torsion, when successful outcome of the operation is unreal.

Key words: Ultrasonography, Newborn, Testicular Torsion.

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