

عنوان مقاله:

Ultrasound Color Doppler of the Middle Cerebral Artery in preterm infants with Intracranial Hemorrhage and Normal Preterm Infants

محل انتشار:

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تعداد صفحات اصل مقاله: 6

نویسندگان:

Ebrahim Vali Khani - *Department of Radiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran*

Mahnaz Ranjkesh - *Department of Radiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran*

Hamidreza Yousefi-nodeh - *Pediatric Health Research Center, Tabriz University of Medical Sciences, Tabriz, Iran*

Samaneh Ghasemali - *Student Research Committee, Tabriz University of Medical Sciences, Tabriz, Iran*

خلاصه مقاله:

Introduction: Preterm neonates are at high risk for a wide range of diseases and serious complications, namely intracranial hemorrhage (ICH). **Method:** This cross-sectional study included ۱۲۰ infants (۶۰ preterm infants with intracranial hemorrhage and ۶۰ healthy preterm infants) under ۳۷ weeks old. In the first ۳-۴ days after birth, color Doppler of the neonatal middle cerebral artery was performed. Then, serial Doppler ultrasound was performed weekly (first four weeks after delivery) for one month and was compared between the two groups. **Results:** In this study, among the Doppler parameters in the first week after birth, none of the parameters AT, S/D, PI, RI, and PSV were statistically significant between the two groups of preterm infants with ICH and normal preterm infants ($P>0.05$). **Conclusions:** None of the Doppler parameters AT, S/D, PI, RI, and PSV were statistically significant between the two groups of preterm infants with intracranial hemorrhage and normal preterm infants.

کلمات کلیدی:

Preterm infants, Intracranial hemorrhage, middle cerebral artery, Brain Complications

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