

Transfontanelar Doppler Imaging In Neonates Medical Radiology

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Transfontanelar Doppler Imaging In Neonates

Transfontanelar Doppler imaging was until recently an emerging new diagnostic modality that was not widely used in clinical practice. Dr. A. Couture and Dr. C. Veyrac have pioneered and incessantly developed the tech and neonatal brain scanning until it has now been matured into an nique of

Transfontanelar Doppler Imaging in Neonates | A. Couture ...

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This book examines in detail the role of transfontanelar pulsed and color Doppler imaging in the fetus and neonate. After an introductory chapter its use in the normal neonate is considered. Results of the hemodynamic evaluation of 491 newborns aged from 32 weeks of gestation to 9 months by means of pulsed and color Doppler are reported.

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This book examines in detail the role of transfontanelar pulsed and color Doppler imaging in the fetus and neonate. After an introductory chapter its use in the normal neonate is considered. Results of the hemodynamic evaluation of 491 newborns aged from 32 weeks of gestation to 9 months by means of pulsed and color Doppler are reported. Normal values of the resistive index as determined by ...

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Transfontanelar Doppler Imaging in Neonates : A. Couture ...

@inproceedings{Couture2001TransfontanelarDI, title={Transfontanelar Doppler Imaging in Neonates}, author={Alain P. Couture and Corinne Veyrac}, booktitle={Medical Radiology}, year={2001} } 1 Doppler US: Technical Implications.- 2 Color and Pulsed Doppler in Normal Neonatal Brain.- 3 Intracranial ...

Transfontanelar Doppler Imaging in Neonates | Semantic ...

This book examines in detail the role of transfontanelar pulsed and color Doppler imaging in the fetus and neonates. After an introductory chapter on the technical aspects of Doppler ultrasonography, its use in the normal neonate is considered.

Transfontanelar Doppler Imaging in Neonates | SpringerLink

Doppler techniques play a major role in the diagnosis, follow-up, and management of brain damage, whether ischemo-hemorrhagic, infectious, or developmental or tumoral, and of pericerebral collections. ... Advanced cranial ultrasound: transfontanelar Doppler imaging in neonates. A. Couture 1,

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color Doppler imaging. Discussion Transfontanelar Doppler sonography is an excellent tool for investigating blood flow in the basilar and vertebral arteries of premature and term neonates. Our prospective study indicated that systolic and end-diastolic blood flow in the basilar artery, as well as systolic and end-diastolic

Doppler Sonography of Blood Flow Velocity in the Vertebral ...

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Terminology. An extension of the non-imaging, continuous wave Doppler assessment popular among neurointensivists, the imaging of cerebral structures with grey-scale and superimposed color flow and spectral Doppler analysis is now possible using the same windows, techniques, and diagnostic goals. Some may refer to the imaging modality to be discussed below as transcranial color-coded duplex ...

Transcranial Doppler sonography (ultrasound) | Radiology ...

"This book examines the role of transfontanelar pulsed and color Doppler imaging in the fetus and neonate. The use of Doppler ultrasonography in the normal neonate is considered. Results of the hemodynamic evaluation of 491 newborns aged from 32 weeks of gestation to 9 months by means of pulsed and color Doppler are reported.

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Briassaud, O. et al. Cranial ultrasonography and transfontanelar Doppler in premature neonates (24-32 weeks of gestation): dynamic evolution and association with a severe adverse neurological ...

NeoDoppler: New ultrasound technology for continuous ...

Neonatal hypoxic-ischemic encephalopathy (HIE) is caused by perinatal hypoxic brain injury. It is the main cause of neonatal mortality and neurological dysfunction [1]. Less severe HIE together with timely intervention could have a better prognosis, while severe HIE will leave permanent neurological sequelae [2]. Therefore, it is of major important to make an early diagnosis of HIE with a ...

Early diagnosis and outcome prediction of neonatal hypoxic ...

Advanced cranial ultrasound: Transfontanelar doppler imaging in neonates. Eur Radiol 2001; 11 : 2399-2410. CAS Article Google Scholar

Variability of resistive indices in the anterior cerebral ...

Vascular resistivity imaging is investigated in vivo in the framework of transfontanelar imaging on neonates and provides maps of brain hemodynamics with key features such as high spatial resolution (?250 ?m), deep penetration (whole-brain imaging), and short acquisition time (<1 second).

Ultrafast Doppler reveals the mapping of cerebral vascular ...

Briassaud O, et al. Cranial ultrasonography and transfontanelar Doppler in premature neonates (24-32 weeks of gestation): dynamic evolution and association with a severe adverse neurological outcome at hospital discharge in the Aquitaine cohort, 2003-2005. Eur. J. Radiol. 2012; 81:2396-2402. [Google Scholar]

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