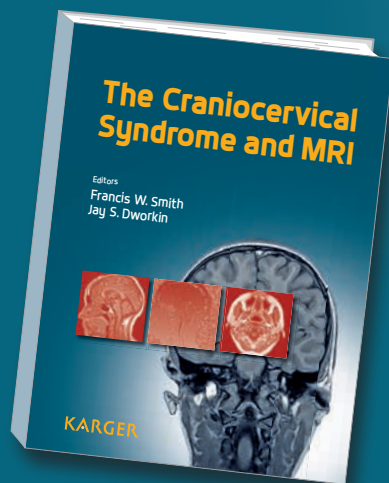


Examines the impact of rapid advances in MRI on treating patients

The Craniocervical Syndrome and MRI

Editors

Francis W. Smith
Jay S. Dworkin



Rapid advances in MRI are transforming the treatment of patients suffering from the craniocervical syndrome (CCS). The articles in this publication have been written by leading international experts in the field to provide practitioners with a better understanding of the subtle anatomy and MRI appearances at the craniocervical junction, along with insight into the clinical significance of cerebrospinal fluid (CSF) flow measurements and their relationship to posture. The surgical management of patients with damage to the ligaments at the craniocervical junction and the role of cervical spinal trauma in neurodegenerative diseases as well as CSF flow obstruction are also discussed.

This publication is valuable reading for practitioners in the fields of radiology, neurosurgery, neurology, pain management, orthopaedic surgery as well as for chiropractors and osteopaths.

The Craniocervical Syndrome and MRI

Editors: Smith, F.W. (London); Dworkin, J.S. (Melville, N.Y.)

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Upright Magnetic Resonance Imaging of the Craniocervical Junction

Francis W. Smith

Medserena Upright MRI Centre, London, UK

Abstract

The importance of scanning the spinal axis in the upright weight-bearing position is described. Recent observations regarding the incidence of cerebellar tonsillar ectopia following whiplash injury of the craniocervical junction is discussed, highlighting the increased sensitivity when patients are scanned in the upright position. The method of the various measurements which should be made in assessing the craniocervical junction is described together with an appropriate illustration.

Fields of Interest: Radiology, Neurology, Neurosurgery

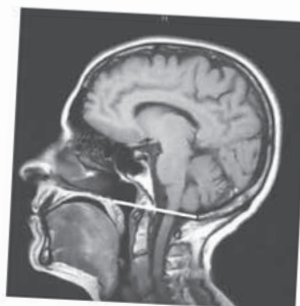


Fig. 8. Chamberlain's line.

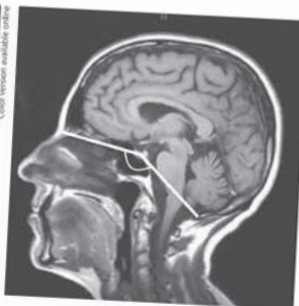


Fig. 10. Basal angle of the skull base.



Fig. 9. McGregor's line.



Fig. 11. Basal angle of the skull base. Koenigsberg modification.

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