Original Papers

1 Morphometric Analysis of Lumbar Pedicles in Patients with Spinal Dysraphism
Engelberg, R.B.; Roguski, M.; Riesenburger, R.I.; Do-Dai, D. (Boston, Mass.); Jea, A. (Houston, Tex.); Hwang, S.W. (Boston, Mass.)

7 Frontoethmoidal Cephalocele: Our Experience of Eleven Cases Managed Surgically
Zabsonre, D.S.; Kabre, A.; Haro, Y. (Ouagadougou)

12 Measures of Ventricles and Evans’ Index: From Neonate to Adolescent

18 Intracranial Aneurysms in the Youngest Patients: Characteristics and Treatment Challenges
Gross, B.A.; Smith, E.R.; Scott, R.M.; Orbach, D.B. (Boston, Mass.)

26 Cervical Spine MRI Findings in Patients with Mucopolysaccharidosis Type II
Żuber, Z. (Cracow); Jurecka, A. (Gdańsk/Warsaw); Jurkiewicz, E. (Warsaw); Kiec-Wilk, B. (Cracow); Tylki-Szymańska, A. (Warsaw)

31 National Trends, Complications, and Hospital Charges in Pediatric Patients with Chiari Malformation Type I Treated with Posterior Fossa Decompression with and without Duraplasty

Novel Insights from Clinical Practice

38 Pediatric Glioblastoma Multiforme in Association with Turner’s Syndrome: A Case Report

(Continued on inside front cover)
Rare Pathologies in the Posterior Third Ventricular Region in Children: Case Series and Review
Maiti, T.K.; Arimappamagan, A.; Mahadevan, A.; Yasha, T.C.; Pandey, P.; Santosh, V. (Bangalore)

Ewing's Sarcoma: Dural Metastases after Intracranial Hemorrhage
Oz, I.I.; Serifoglu, I.; Bozay Oz, E.; Piskin, E.; Edebali, N. (Zonguldak)

Occipital Post-Traumatic Intradiploic Arachnoid Cyst Converted to Pseudomeningocele after Re-Trauma: A Rare Complication of Rare Pathology
Jaiswal, M.; Gandhi, A.; Sharma, A.; Mittal, R.S. (Jaipur)

Announcement
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Contents

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The multimodality management of strategies of mild traumatic brain injury and concussion

The increasing recognition of concussion and its associated consequences has focused international attention on mild traumatic brain injury. The need for early diagnosis, evaluation, and management has expanded dramatically. This volume includes the experience of leading experts who describe the recent advances in the pathophysiology, biomechanics, imaging definition, and management of concussion. Advanced imaging and electrophysiological techniques are being used to help delineate the underlying metabolic and ultrastructural effects of concussive injuries. Papers in this volume review the role of emerging techniques including fMRI, SPECT, PET, DTI, MRS, and MEG, as well as report on multimodality concussion management programs which offer guidelines for selecting relevant team members, assessing community needs, and implementing management strategies that align with current practice standards.

This publication provides neurosurgeons, neurologists, trauma and sports medicine specialists, physicists, neuropsychologists, and neuroscientists with a comprehensive overview of the current understanding of the causes of mild traumatic brain injury or concussion, newer methods to evaluate it, and current and evolving multimodality management strategies.

Contents

Overview and Mechanism of Concussion

- Cerebral Concussion: A Historical Perspective: Maroon, J.C.; Mathyssek, C; Bost, J.
- Biomechanics of Concussion: Stimpel, D.; Pintar, F.A.
- The Neurophysiology of Concussion: Hovda, D.A.
- Chronic Traumatic Encephalopathy: Omalu, B.

Evaluation of Concussion

- Understanding Concussive Injuries Using Investigational Imaging Methods: Henry, L.C.
- Neurometabolic, Electrophysiological, and Imaging Abnormalities: Chamard, E.; Lassonde, M.; Théoret, H.
- Magnetoencephalography in the Diagnosis of Concussion: Lee, R.R.; Huang, M.

Management of Concussion

- Evidence-Based Management of Sport-Related Concussion: McCrea, M.; Guskiewicz, K.
- In-Office Management of Sport-Related Concussion: Reynolds, E.; Collins, M.W.
- Concussion in Ice Hockey: Bonfield C.M.; Wecht, D.A.; Lunsford, L.D.
- Developing an Interdisciplinary Community-Based Sports Concussion Management Program: LoGalbo, A.; Salinas, C.M.; Dougherty, M.; Field, M.

Emerging Techniques and Future Developments

- Vulnerability in Speed of Visuomotor Ability: Shuttleworth-Edwards, A.B.; Radloff, S.E.; Whitefield-Alexander, V.J.
- Detecting Eye Movement Abnormalities from Concussion: Maruta, J.; Ghajar, J.
- Neurodegenerative Changes After Mild Traumatic Brain Injury: Fakhran, S.; Alhilali, L.
- Future Directions in Brain Injury Research: Gennarelli, T.A.
Pearls and Pitfalls in Head and Neck Surgery
Practical Tips to Minimize Complications

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In this unique volume, leading international experts share their experiences in the management of head and neck tumors, providing a guidebook for all surgeons dealing with head and neck neoplasms. Each chapter offers a concise description of useful 'pearls' and dangerous 'pitfalls' which must be avoided. Contributions cover topics from thyroid glands, neck metastases, and oral tumors to laryngeal, pharyngeal, and nasopharyngeal tumors, as well as salivary gland tumors, skull base tumors, and reconstruction surgery. In addition to frequent diseases which are encountered in everyday practice, some new therapeutic topics such as video-assisted thyroidectomy, robotic surgery, and management of the neck after organ preservation treatment are discussed. The 2nd edition has been extended by topical chapters of major practical interest including the latest findings and techniques. The new chapters are clearly indicated and can be recognized easily.

Head and neck surgeons, otorhinolaryngologists, neurosurgeons, maxillofacial surgeons, plastic surgeons, radiation and clinical oncologists, and general surgeons, as well as students and residents interested in the management of head and neck tumors, will find this publication an indispensable manual.

Contents
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Selected contributions
- Preoperative Three-Dimensional Model Creation of Magnetic Resonance Brain Images as a Tool to Assist Neurosurgical Planning: Spottiswoode, B.S. (Cape Town/Stellenbosch/Chicago, Ill.); van den Heever, D.J. (Stellenbosch); Chang, Y. (Cape Town); Engelhardt, S. (Koblenz); Du Plessis, S. (Stellenbosch); Nicol, F. (Cape Town); Hartzenberg, H.B.; Gretschel, A. (Stellenbosch)
- Gamma Knife Surgery for Refractory Insular Cortex Epilepsy: Irlslane, M. (Montréal, Qué.); Mathieu, D. (Sherbrooke, Qué.); Bouthillier, A. (Montréal, Qué.); Deacon, C. (Sherbrooke, Qué.); Nguyen, D.K. (Montréal, Qué.)
- Bitemporal Intractable Epilepsy: Could It Be Surgically Treatable? Chkhenkeli, S.A. (Tbilisi); Shramka, M. (Bratislava); Rakviashvili, T.N.; Lortkipanidze, G.S.; Magalashvili, G.E.; Bregyadze, E.S.; Otarashvili, A.; Gagoshidze, T.S. (Tbilisi)
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