

Principles of Pediatric Neurosurgery

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Principles of Pediatric Neurosurgery

Head Injuries in the Newborn and Infant

The Pediatric Spine I: Development and Dysraphic State

The Pediatric Spine II: Developmental Anomalies

The Pediatric Spine III: Cysts, Tumors, and Infections

Cerebrovascular Diseases in Children

*Edited by Anthony J. Raimondi, Maurice Choux,
and Concezio Di Rocco*

Cerebrovascular Diseases in Children

Edited by Anthony J. Raimondi,
Maurice Choux, and Concezio Di Rocco

With 163 Figures



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Series Preface

It is estimated that the functionally significant body of knowledge for a given medical specialty changes radically every 8 years. New specialties and “sub-specialization” are occurring at approximately an equal rate. Historically, established journals have not been able either to absorb this increase in publishable material or to extend their readership to the new specialists. International and national meetings, symposia and seminars, workshops, and newsletters successfully bring to the attention of physicians within developing specialties what is occurring, but generally only in demonstration form without providing historical perspective, pathoanatomical correlates, or extensive discussion. Page and time limitations oblige the authors to present only the essence of their material.

Pediatric neurosurgery is an example of a specialty that has developed during the past 15 years. Over this period neurosurgeons have obtained special training in pediatric neurosurgery and then dedicated themselves primarily to its practice. Centers, Chairs, and educational programs have been established as groups of neurosurgeons in different countries throughout the world organized themselves respectively into national and international societies for pediatric neurosurgery. These events were both preceded and followed by specialized courses, national and international journals, and ever-increasing clinical and investigative studies into all aspects of surgically treatable diseases of the child’s nervous system.

Principles of Pediatric Neurosurgery is an ongoing series of publications, each dedicated exclusively to a particular subject, a subject which is currently timely either because of an extensive amount of work occurring in it, or because it has been neglected. The two first subjects, “Head Injuries in the Newborn and Infant” and “The Pediatric Spine,” are expressive of those extremes.

Volumes will be published continuously, as the subjects are dealt with, rather than on an annual basis, since our goal is to make this

information available to the specialist when it is new and informative. If a volume becomes obsolete because of newer methods of treatment and concepts, we shall publish a new edition.

The chapters are selected and arranged to provide the reader, in each instance, with embryological, developmental, epidemiological, clinical, therapeutic, and psychosocial aspects of each subject, thusly permitting each specialist to learn what is most current in his field and to familiarize himself with sister fields of the same subject. Each chapter is organized along classical lines, progressing from introduction through symptoms and treatment, to prognosis for clinical material; and introduction through history and data, to results and discussion for experimental material.

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