

A Colour Handbook

Pediatric Clinical Neurology

James F. Bale, Jr. MD

Professor, Associate Chair and Program Director, Department of Pediatrics
University of Utah School of Medicine, Salt Lake City, Utah, USA.

Joshua L. Bonkowsky, MD, PhD

Assistant Professor, Department of Pediatrics, University of Utah School of
Medicine, Salt Lake City, Utah, USA.

Francis M. Filloux, MD

Professor, Division Chief, Pediatric Neurology, University of Utah School
of Medicine, Salt Lake City, Utah, USA.

Gary L. Hedlund, DO

Pediatric Neuroradiologist, University of Utah School of Medicine, Salt
Lake City, Utah, USA.

Paul D. Larsen, MD

Professor of Pediatrics and Neurological Science, Division Head, Pediatric
Neurology, University of Nebraska College of Medicine, Omaha, Nebraska,
USA.

Denise M. Nielsen, MD

Instructor, Departments of Pediatrics and Neurology, University of Utah
School of Medicine, Salt Lake City, Utah, USA

Description:

The past 40 years have seen remarkable advances in paediatric neurology and in many interfacing disciplines, especially medical imaging, genetics and infectious diseases. Yet the fundamentals of neurological examination and history remain essential in the accurate diagnosis of conditions affecting the child's nervous system.

The book begins with a detailed discussion of neurological examination techniques. It also covers basic formulation of differential diagnoses and management using neuroradiology, electrophysiology, genetic and metabolic testing, including sampling cerebrospinal fluids essential in the diagnosis and management of infectious conditions. The second section of the book follows a problem-based approach recognising how diseases present in the real world. It employs practical, symptom and sign-based strategies for virtually all conditions encountered by the practitioner.

Throughout the authors emphasise patterns of disease and how recognising them can be the first step to successful management of the child with a neurological problem. They conclude with a detailed discussion of neurological emergencies and recognise that such conditions present first to someone other than to a paediatric neurologist. The book will be of interest to paediatric neurologists, paediatricians, primary care physicians, and emergency physicians in training and practice.

Short Contents:

Section One: Core Concepts, 1. The neurological examination, 2. Neuroimaging, 3. Electrophysiology evaluation, 4. Cerebrospinal fluid, 5. Genetic evaluation, 6. Newborn screening and inborn errors of metabolism. **Section Two: A Problem-based Approach to Paediatric Neurological Disorders**, 7. Disorders of development, 8. Disorders of behaviour and cognition, 9. Disorders of hearing and language, 10. Disorders of head size and shape, 11. Disorders of cranial nerves, 12. Disorders of peripheral nerves, 13. Disorders of gait and balance, 14. Disorders of sleep, 15. Disorders of newborn, 16. Acute and focal deficits, 17. The dimorphic child, 18. Headaches, 19. Hypotonia/weakness, 20. Neurological infections, 21. Movement disorders, 22. Seizures and other paroxysmal disorders, 23. Neurological emergencies. Legends, Further reading, Index.

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Readership

Paediatric neurologists in training and practice. General practitioners. Primary care physicians. Emergency physicians.

Key Features:

- Specialist authors recognise the needs of non-specialists and trainees.
- Key section on examination, history and investigation—the core concepts.
- Problem-based approach to diagnosis and management.
- Superb illustrations throughout: clinical photos, imaging, text boxes.