

images. In addition, boxed high-yield points provide reinforcement for major syndromes and other important details. The book begins with a comprehensive neuroanatomy chapter with numerous diagrams and pictures that illustrate the text very well. In addition to the usual brain and spinal cord anatomy, this chapter has detailed sections on neuroophthalmology and neurootology. The chapter is well written and includes good, concise descriptions of symptoms and signs related to lesions at different levels of the neuraxis. There are numerous boxed high-yield points and abundant tables to help reinforce learning. The subsequent 12 chapters cover the major neuropathologic categories: vascular disorders, epilepsy, demyelinating disorders, oncology, headache & pain, behavioral neurology and psychiatry, movement disorders, neuropathy, myopathy, infections and developmental/metabolic disorders. There is also an invaluable chapter on systemic diseases affecting the nervous system, an often overlooked topic. The chapters are written by different physicians including a Canadian.

The book's outline format enables the dissemination of vast amounts of information. The individual topics are well covered, providing details in point form and highlighting major syndromes, as well as other important points. Diagnosis, pathology and treatment details are provided for most major neurological disease. There are numerous histopathology slides, radiologic images, boxed high-yield points, and abundant tables to aid the visual learner. The book does offer the advantage of color pictures which is still uncommon in review books. Numerous diagrams depicting pathophysiologic processes, metabolic pathways and drug mechanism of action can be found throughout the book. There is an abundance of summary tables which render it easier for the reader to compare and contrast the different pathologies.

As with most American review books, it may be lacking certain features required for those studying for the Canadian Royal College exam. As most review books, it does not provide a method for approaching clinical symptoms. One can argue that this is not the role of a review book but it needs to be kept in mind. Furthermore, some of the treatment approaches, especially in stroke are not referenced so it is not clear which studies substantiate the treatments put forth. There is also a lack of information on how current the genetic data is and this is a problem in the chapter on movement disorders since it reports only a few of the DYT mutations.

The Comprehensive Board Review in Neurology provides a tool for assimilating vast amounts of information in a comprehensive, easily digestible manner. It reviews the major neurological diseases and should be adequate for American board exams. Those studying for the Canadian Royal College exam, however, will require a more clinical approach based text in addition to review books such as this.

*Maria Carmela Tartaglia
London, Ontario, Canada*

ADVANCES IN FUNCTIONAL AND REPARATIVE NEUROSURGERY. 2006. Edited by J.W. Chang, Y. Katayama, T. Yamamoto. Published by SpringerWienNewYork. 153 pages. Price C\$120.

This book comprises a collection of short clinical and experimental research articles originating from the conferences of the Neurorehabilitation Committee of the World Federation of

Neurosurgical Sciences (WFNS) and the 1st Congress of the International Society of Reconstructive Neurosurgery (ISRN) which were held in Seoul on September 2005. Its 153 pages are divided into topics of neurorehabilitation, involuntary movement disorders, pain control, epilepsy, spinal cord and cell transplantation and nerve grafting. For those involved in research in this area, this book provides an excellent historical snap-shot of the work being done at that time.

The single article on neurorehabilitation is a review of a comprehensive rehabilitation unit whose main aim is early rehabilitation with all aspects of therapy involved from the outset. The goal is an ideal one – achieve optimal recovery of all aspects of life including physical, mental and social aspects.

The section on movement disorders is dominated by articles discussing deep brain stimulation (DBS). Microelectrode recording is reported as mandatory when inserting electrodes rather than as a complementary procedure. This may reflect a regional bias.

A wide variety of surgical solutions for pain modification are covered including cortical stimulation (motor cortex and anterior cingulate cortex), intrathecal baclofen treatment and DREZ lesions (both percutaneous and open). A wide range of pain disorders are covered with no generalization regarding the effectiveness of any specific technique.

The articles on epilepsy are an inhomogeneous group reporting on deep brain stimulation, vagus nerve stimulation or Gamma knife radiosurgery for seizure control. The spinal cord section consists of an experimental report regarding spinal cord stimulation and its effects on cerebral blood flow and a case report on the reversal of neurological deficits due to syringomyelia after decompression.

The revolutionary field of stem cell transplantation for regeneration of damaged nervous tissue is covered in the final section and is essentially a collection of articles on the role that stem cells may or may not play in future years. There is little in either of these sections that would be of use outside the experimental field.

This book covers a wide range of topics, not altogether related, as one would expect from a collection of articles from a symposium. The articles are generally short (up to six pages) and easily readable. It is a good summary of the topics covered by the Congresses but may be of little use for the majority of clinicians. It does however give a good example of the topics that were covered during the symposium.

*Jacqueline McMaster, Christopher R. Honey
Vancouver, British Columbia, Canada*

PROGRESS IN EPILEPTIC DISORDERS - PROGRESS IN EPILEPTIC SPASMS AND WEST SYNDROME. 2007. By Franco Guzzetta, Bernardo Dalla Bernardina, Renzo Guerrini. Published by Editions John Libbey Eurotext. 184 pages. Price C\$100.

West syndrome is characterized by infantile spasms and the EEG pattern of hypsarrhythmia. The syndrome is rare but usually disastrous with developmental regression and eventual mental retardation. This book begins with a notation: "A group of clinical researchers recently met in Rome to discuss hot points concerning infantile spasms and West Syndrome". We know little else about the meeting except that this book seems to summarize the "hot points"