



Short review of “PRINCIPIILE CHIRURGIEI NEUROLOGICE”, 4th edition

Editors: Ellenbogen RG, Sekhar LN, Kitchen ND, Elsevier 2018

First Romanian Edition, coordinated by Prof. Ioan Ștefan Florian M.D., at Hipocrate Publishing House

The three princeps authors, well known in the neurosurgery world, Ellenbogen RG, Sekhar LN, Kitchen ND, have the merit of publishing this monography, comprising the experience of an entire team of neurosurgeons, radiologists, radiotherapists, geneticists, anesthetists, from the United States but also from Canada, Australia, Brazil and Great Britain.

The publishing of a complete monography in any specialisation is not only obligatory, but well necessary. Such world wide recognized monographies have appeared everywhere in medical literature, like „Harrison's Principles of Internal Medicine” (originally published in 1950) for internal medicine. In neurosurgery, for years, the specialised literature was dominated by the successive publishing of „Youman's Neurological Surgery” (originally published in 1973). The same happened in pediatric neurosurgery and, even today, A. Leland Albright and his collaborators` works,

especially „Principles and Practice of Pediatric Neurosurgery” (originally published in 1999), in various editions, have been the conduite guides in this discipline, detailing some particularities related to pediatric age.

The neurosurgery treatise was named in the classic tradition „Principles of Neurological Surgery”, the 4th edition (Editors: Ellenbogen RG, Sekhar LN, Kitchen ND, Elsevier 2018), first Romanian edition coordinated by Prof. Dr. Ioan Ștefan Florian at Hipocrate publishing house. It constitutes a modern, contemporary and novel view on neurosurgical pathology. The first edition of the "Principles of Neurosurgery" (Elsevier Publishing House) originally published in 1993 by Setti S. Rengachary as first author, later joined by Robert H. Wilkins.

The authors framed their work under the precise denomination „Principles of Neurological Surgery”. The material in the 4th edition addresses especially neurosurgery

residents, practitioners, but also all the medicine students with inclinations for neurosciences. The three authors are renowned both for their extremely precise written works in neurosurgery, but also for their numerous neurosurgical interventions they developed over time, with personal upgrades and procedures.

Considering all of the above, the president of the Romanian Society of Neurosurgery, with the support of Hipocrate publishing house, appreciated that the Romanian Society of Neurosurgery and all the practitioners in this field should possess the Principles of Neurosurgery in Romanian, in order to study in depth the clinical and operative details of the challenging neurosurgical pathology. Considering, furthermore, that often the information in English is not perfectly assimilated, the coordinator of this edition in Romanian, Prof. Dr. Ioan Ștefan Florian, made the translation as correct and appropriate as possible. Moreover, some chapters were revised by specialised translators so that nothing unclear or interpretable would appear, especially not in the operative procedures.

The treatise „Principiile Chirurgiei Neurologice” has 9 parts: Part 1 - General considerations; Part 2 - Pediatric Neurosurgery; Part 3 - Vascular Neurosurgery; Part 4 - Cranial-Cerebral Trauma; Part 5 - Spine and Medulla Pathology; Part 6 - Intracranial Tumors; Part 7 - Radiosurgery and radiotherapy; Part 8 - Functional Neurosurgery. Pain; Part 9 - refers to several issues that were not covered in the

previous parts, such as the pathology of Peripheral Nerves.

Each chapter is structured beginning with several clinical notes, then a framing of the issue, its history, its epidemiology, genetic and etiological factors, anatomical-pathologic observations, clinical diagnostics evaluation and imagery; after that, the surgical procedures are described thoroughly, with operative timing, advantages and disadvantages for every procedure, then results, complications and future progress. The bibliography at the end of each chapter is carefully selected and comes mainly from actual data. As a whole, this monography firstly answers the major challenges of the specialists in this field regarding the correct diagnosis, and secondly it gives the recommended operative procedures of today.

The Romanian edition „Principiile Chirurgiei Neurologice”, coordinated by Prof. Dr. Ioan Ștefan Florian, published at Hipocrate publishing house (translation of the 4th edition in English edited by Ellenbogen RG, Sekhar LN, Kitchen ND, Elsevier 2018), supported by Fundația Transilvania Leaders, is extremely interesting, clear and efficient, with an exceptional scientific and educational quality.

The translation of the documents was the result of a collective effort attended by 58 physicians, alongside highly experienced teachers from all traditional university centers, including resident physicians with major inclinations for English language, for whom this approach was an intense educational exercise.

Reading the treatise in detail we see that the main topics in neurosurgery pathology are discussed, but some modern elements as well, such as the endovascular treatment of vascular cerebral malformations. Furthermore, radiotherapy and radiosurgery are also thoroughly discussed, with a focus on the recent aspects of proton therapy.

The image-guided neurosurgery procedures are detailed and explained very clearly and very educationally, which contributes to a deeper understanding of the value and importance of image-guided surgery by magnetic resonance when diagnosing neurosurgical traumas, in pre- or post-operative.

The first chapter is extremely interesting and is dedicated entirely to the history of neurosurgery, starting from the first trepanations and leading to more and more sophisticated approaches. The many progresses in this difficult field are all presented in short.

Furthermore, this monography is also an efficient guide book for extremely difficult cases, complications or malpraxis in neurosurgery, with medical-legal interpretations.

The presentation of each chapter is extremely clear, with exceptional illustrations, demonstrating the professionalism and

dedication of the 3 authors, exceptional neurosurgical personalities.

The monograph is done in nearly 900 pages, with an alphabetical index of pathology at the end.

We consider this neurosurgery treatise is edited at an international level by a complex team from the United States and Great Britain and also other personalities from different parts of the world, and as such it deserves a place on the main shelf of neurosurgical and adjacent specialties education (neurology, psychiatry, anesthesia etc.).

The effort of the entire team of neurosurgery residents in Romania, coordinated by Prof. Dr. Ioan Ștefan Florian, in translating this book contributes immensely to the upgrade of the neurosurgical knowledge in this country. Most of all, publishing this treatise in Romanian represents a great opportunity for the neurosurgery experts in this country to have access to a modern and renowned international neurosurgical treatise.

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