POLYENDOCRINE DISORDERS AND ENDOCRINE NEOPLASTIC SYNDROMES

Editors: Annamaria Colao, Marie-Lise Jaffrain-Rea, Albert Beckers

Publisher: Springer, 1st Edition

Language: English

Year: 2021

ISBN: 978-3-319-89496-6

E-ISBN: 978-3-319-89497-3

No. of pages: 429

This comprehensive reference book is meant to support clinicians in the diagnosis and treatment of polyendocrine diseases and endocrine neoplastic syndromes. Although a large majority of endocrine diseases present as sporadic cases, an increasing proportion can be identified as part of a polyendocrine or systemic syndrome. These include autoimmune endocrine diseases, which may be part of autoimmune polyendocrine disorders (APS) or rare complex disorders such as POEMS (polyneuropathy, organomegaly, endocrinopathy, M-protein and skin changes) or IPEX (immune dysregulation, polyendocrinopathy, enteropathy, X-linked) syndromes. On the other hand, endocrine tumors may develop in a variety of clinical conditions, including multiple endocrine neoplasia (MEN) syndromes, syndromic diseases such as McCune Albright or Carney's complex, or peculiar familial associations such as pheochromocytoma/paraganglioma syndromes.

The book discusses the significant advances that have been made in the clinical and genetic characterization of such entities, with major implications in terms of diagnosis and clinical management, including familial screening, as well as in terms of multidisciplinary. This book is intended for clinicians, residents, specialists and physicians involved in the diagnosis and treatment of affected patients, including specialists in endocrinology,

internal medicine, oncology and genetics.

Annamaria Colao is Full Professor of Endocrinology and Chair of the Section of Endocrinology in the Department of Clinical Medicine and Surgery at the “Federico II” University of Naples. Coordinator of national and international research projects with a scientific activity characterized by publication of more than 900 full papers in international journals (h-index 117), she has published more than 100 chapters in multiauthored books and monographs. She is one of the top Italian female scientists.

Pr. Marie-Lise Jaffrain-Rea is an Associate Professor of Endocrinology in the Department of Biotechnological and Applied Clinical Sciences, University of L'Aquila, L'Aquila (AQ), Italy, and the head of the neuroendocrinology service at the Neuromed Institute, IRCCS, in Pozzilli (IS), Italy. She obtained her medical degree and specialization in endocrinology from France (University Paris V) and a scientific “Maitrise” in biochemistry (University Paris VI).

Prof. Albert Beckers, M.D., Ph.D., is Head of the Department of Endocrinology at the University Hospital Centre, Liège, and Full Professor at the University of

Liège, Belgium. He oversees a department with multiple clinical and research areas of interest, including pituitary tumors, thyroid disease, genetic causes of endocrine cancers, and rare inherited syndromes. Current research interests include the genetics of pituitary diseases, molecular and genetic investigation of rare disorders of endocrine development, gigantism and acromegaly, and new treatments for aggressive endocrine tumors. Research highlights include the original characterization and description of familial isolated pituitary adenomas (FIPA) and a newly described pediatric syndrome X-linked acrogigantism (X-LAG). He has published more than 300 original articles, including high-impact international journals such as *The New England Journal of Medicine*, *Endocrine Reviews*, and the *Journal of Clinical Endocrinology & Metabolism*.

All chapters are written by leaders in each field of rare endocrine disorders, adding an important clinical expertise to the development of genetics into clinical practice. The book stands as a reference point for endocrine rare diseases and we strongly recommend it.

Corin Badiu MD, PhD

*“C.I. Parhon” National Institute of Endocrinology,
“C. Davila” University of Medicine and Pharmacy,
Bucharest, Romania*