This book presents a comprehensive overview of paediatric thyroid diseases and thus provides a useful tool for clinical problem solving. Opinion leaders in the field present reviews on all relevant diseases of the hypothalamic-pituitary-thyroid axis. Sixteen chapters cover topics ranging from foetal thyroidology, congenital hypothyroidism, central hypothyroidism, impaired sensitivity to thyroid hormones, thyroid and environment, autoimmune thyroid disease, thyroid cancer to clinical case seminar.

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The European Thyroid Journal publishes papers reporting original research in basic, translational and clinical thyroidology. Original contributions cover all aspects of the field from molecular and cellular biology to immunology and biochemistry, physiology to pathology, and paediatric to adult thyroid diseases with a special focus on thyroid cancer. Readers also benefit from reviews by noted experts, which highlight especially active areas of current research. The journal will further publish formal guidelines in the field, produced and endorsed by the European Thyroid Association.

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Endocrine disruptors are chemicals that may interfere with the body’s endocrine system and produce adverse developmental, reproductive, neurological, and immune effects in both humans and wildlife. This issue of Hormone Research in Paediatrics covers their impact on child health. It reviews history, toxicology, epidemiology, pathophysiology, and major clinical implications including the effects on neuroendocrine pathways, growth, obesity, steroidogenesis, puberty timing, and thyroid function. Human exposure to endocrine disruptors occurs via ingestion of food, dust, and water, inhalation of gases and particles in the air, and through the skin. Chemicals can also be transferred from mother to child through the placenta or breast milk. The critical windows of exposure and the transgenerational effects are discussed along with prevention strategies to potentially minimize exposure and reduce risk.
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Graves’ Orbitopathy
A Multidisciplinary Approach – Questions and Answers
2nd, revised edition

Editors
Wilmar M. Wiersinga
Georges J. Kahaly

The significant progress in the understanding of the pathogenesis and the treatment of Graves’ orbitopathy (GO) has warranted a second edition of this book within three years of the first. Now also fully incorporated is the EUGO- GO consensus statement on management of GO, which since has been accepted worldwide as a useful guideline. Furthermore all chapters have been thoroughly updated. Subjects covered include the pathology of GO and the controversial views on its pathogenesis; assessment of changes using reliable measuring techniques; medical management of GO including established and alternative treatment options; technical explanations and illustrations of various surgical procedures and finally, the molecular, immunologic, and clinical aspects of this complex disorder. Two new chapters have been added: one describing the socioeconomic impact of the disease and the other outlining the Amsterdam Declaration on Graves’ Orbitopathy. The successful question-and-answer format facilitates its use as a reference guide for medical practitioners and surgeons working in the fields of ophthalmology, internal medicine, endocrinology, pediatrics, immunology, as well as otorhinolaryngology.

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Screening, diagnosis and management of paediatric thyroid disorders

Paediatric Thyroid Disorders: New Insights

Editors
Michel Polak
Gabor Szinnai

New data concerning screening, diagnosis and management is important for a constant broadening of our knowledge and expertise. This special topic issue of Hormone Research in Paediatrics focuses on new developments in the field of thyroid disease in the paediatric age group. Topics covered include epidemiology, screening, radiologic approaches, and new molecular data. Reviews of specific diseases associated with thyroid disorders such as Down syndrome, Rett syndrome, and pseudohypoparathyroidism add new insights into clinically relevant questions. Providing a selection of papers on clinical and molecular aspects of congenital hypothyroidism, this special topic issue offers an update on fetal, neonatal, and childhood thyroidology in patients suffering from congenital hypothyroidism, namely thyroid disease associated with genetic syndromes.

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