Most endocrine diseases, if not treated or controlled, have cardiovascular manifestations. Both GH deficiency and GH excess impair cardiovascular functions, e.g. in patients with acromegaly, who have a shortened life expectancy and increased mortality mostly due to cardiovascular complications in uncontrolled disease. Moreover, Cushing's syndrome and diabetes are well known for metabolic and cardiovascular manifestations, as well as hypo- and hyperthyroidism. Both adipose tissue and the heart have been increasingly recognized as organs with partially endocrine functions, which produce adipokines and brain natriuretic peptide, respectively, and influence a number of cardiovascular parameters. Primary aldosteronism as a cause for secondary hypertension is still a great challenge to detect and diagnose properly; however, new important discoveries have been made regarding the genetics of this probably underestimated cause of hypertension. Written by distinguished researchers in their respective fields, this book will give both researchers and clinicians an excellent update on all these topics, as well as provide insight into the use of hormones as treatment tools in more controversial areas.

Fields of Interest: Endocrinology; Cardiovascular System; Andrology, Arteriosclerosis, Diabetes, Gynecology, Metabolism
Frontiers of Hormone Research presents a state-of-the-art overview including a discussion of future perspectives.

New sophisticated technologies and methodological approaches in diagnostics and therapeutics have led to significant improvements in identifying and characterizing an increasing number of medical conditions, which is particularly true for all aspects of endocrine and metabolic dysfunctions. Novel insights in endocrine physiology and pathophysiology allow for new perspectives in clinical management and thus lead to the development of molecular, personalized treatments. In view of this, the active interplay between basic scientists and clinicians has become fundamental, both to provide patients with the most appropriate care and to advance future research.

The individual volumes of this series explore cutting-edge topics in the field of endocrinology and metabolism, providing the most updated, critical opinions of international leading researchers and clinicians. Going from in vitro studies to daily clinical applications, each volume presents a state-of-the-art overview including a discussion of future perspectives.