



## Testosterone: Action - Deficiency - Substitution

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### Testosterone: Action - Deficiency - Substitution From Brand: Springer

The first edition of "Testosterone: Action, Deficiency, Substitution" was published in 1990. Since then our understanding of the hormone that turns males into men has tremendously increased. Therefore, the editors felt that a second extended edition of the book is warranted in order to summarize established and recent findings in the field and to present the reader with an up-to-date is reflected by the textbook. The increased mass of knowledge growth of the volume from 14 to 20 chapters. In the updated edition the biochemistry and metabolism of androgens have been complemented by extensive information on the molecular biology of the androgen receptor and its disorders. The key role of testosterone in spermatogenesis is now better defined. We have a more complete understanding of the psychotropic effects of testosterone and know so much about the different target organs and functions that individual chapters deal with testosterone and the prostate, lipids and the cardiovascular system, hair, bones and muscles. The general chapter on pharmacology and clinical uses of testosterone, in particular in male hypogonadism, is extended by pharmacokinetic studies on testosterone preparations and individual substitution modalities using testosterone esters as well as implants and advanced transdermal applications. The physiologic basis and possible clinical applications of testosterone in non-gonadal diseases, in male senescence, in hormonal male contraception and in transsexuals are discussed. The last chapter describes the role of "investigative" steroid biochemistry applied to tracking anabolic steroid abuse.

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## **Editorial Review**

### **Review**

"Fascinating...an extremely useful clinical overview...this interesting and wide-ranging reference will be a valuable asset to a departmental library..." BJO International

"An impressive book that is an excellent resource for the researcher, primary or specialist clinician, and fellow in training. It should be part of the library of every andrology, endocrinology, and primary care professional." Fertility and Sterility

"I would strongly recommend Testosterone: Action, Deficiency, Substitution to all endocrinologists, basic and clinical alike, as an indispensable source of information about the fundamental biology and clinical physiology of androgens. The editors and the authors should be congratulated on their splendid achievement." TRENDS in Endocrinology and Metabolism, Ariel L. Barkan

"This book should be read not only by scientists dealing with steroid hormones but also by every doctor treating patients with androgen deficiency. It presents the current knowledge concerning androgen replacement therapy in a convincing manner." Andrologia, A. Jung, GieBen

"The book is well edited and illustrated and concluded by a detailed index. The volume belongs in the library of all those who deal with men, both clinically and scientifically." The Aging Male, B. Lunenfeld

"Excellent editorial work resulted in lovely and instructive organization of all chapters. The book certainly should be considered an important contribution to understand the contemporary knowledge about testosterone and about androgens in general." Endocrine Regulations

"There is much to commend in this book. It remains an impressive overview of the area and the major changes made since the 1998 version are to the good." Human Fertility

"This book is a must reference for any practitioner or researcher who is going to be involved with measuring or prescribing testosterone or, for that matter, any androgen. It is so comprehensive that urologists who consider themselves a subspecialist in either oncology, impotence, infertility or geriatrics will find the information in this tone pertinent to their subspecialty." The Journal of Urology, Jacob Raifer, M.D.

### **From the Back Cover**

New developments in testosterone action and therapy are summarized here by internationally renowned experts. They review both basic and clinical knowledge in 20 chapters. This 2nd edition has been thoroughly revised and extended. The book presents the biochemistry of testosterone, its biosynthesis, metabolism and mechanisms of action in target organs. Effects on bones, muscles, lipids, hair, the prostate, and the brain are considered in separate chapters. Syndromes caused by androgen resistance are described in order to highlight the importance of properly functioning enzymes and receptors in the target organs. The pharmacology, pharmacokinetics and clinical uses and abuses of testosterone preparations are discussed in detail, and side effects of testosterone treatment are reviewed. This is the state-of-the-art book about testosterone action and therapy for endocrinologists, andrologists, urologists and pharmacologists.

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#### **Yvonne Casey:**

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