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Nota di contenuto	Cover; Half-title; Title; Copyright; Contents; Contributors; Preface; 1 Testosterone: an overview of biosynthesis, transport, metabolism and non-genomic actions; 2 The androgen receptor: molecular biology; 3 Androgen receptor: pathophysiology; 4 Behavioural correlates of testosterone; 5 The role of testosterone in spermatogenesis; 6 Androgens and hair: a biological paradox; 7 Androgens and bone metabolism; 8 Testosterone effects on the skeletal muscle; 9 Androgens and Erythropoiesis; 10 Testosterone and cardiovascular diseases; 11 Testosterone and erection; 12 Testosterone and the prostate 13 Clinical uses of testosterone in hypogonadism and other conditions 14 Pharmacology of testosterone preparations; 15 Androgen therapy in non-gonadal disease; 16 Androgens in male senescence; 17 The pathobiology of androgens in women; 18 Clinical use of 5alpha-

reductase inhibitors; 19 Dehydroepiandrosterone (DHEA) and androstenedione; 20 Selective androgen receptor modulators (SARMs); 21 Methodology for measuring testosterone, DHT and SHBG in a clinical setting; 22 Synthesis and pharmacological profiling of new orally active steroidal androgens
23 Hormonal male contraception: the essential role of testosterone
24 Abuse of androgens and detection of illegal use; Subject index

Sommario/riassunto

This book provides information on testosterone and other androgens, and their role in human physiology and pathology. It covers biosynthesis and mechanisms of action and reviews their effects on brain and behaviour, spermatogenesis, hair growth, bones, muscles, erythropoiesis, the cardiovascular system and lipids, erection, and the prostate. Therapeutic uses of testosterone preparations are carefully evaluated, including use in women, the aging male, and its abuse and detection in sport. The book reviews applications in male contraception, the role of 5 α -reductase inhibitors and the controversial use of DHEA. For this book the editors have assembled the world leaders in testosterone research and clinical andrology and endocrinology. A special feature of the book is the fact that its 24 chapters were submitted simultaneously to insure rapid publication. This revised and significantly expanded edition will serve as the standard source of reference for many years.
