

Table of Contents

1. Testosterone: An overview of biosynthesis, transport, metabolism and nongenomic actions	1
<i>F.F.G. Rommerts</i>	
2. The androgen receptor: Physiology and pathophysiology	33
<i>C.A. Quigley</i>	
3. Behavioural correlates of testosterone	107
<i>K. Christiansen</i>	
4. The role of testosterone in spermatogenesis	143
<i>G.F. Weinbauer and E. Nieschlag</i>	
5. Androgens and hair	169
<i>V.A. Randall</i>	
6. Androgens and bone metabolism	187
<i>J.S. Finkelstein</i>	
7. Androgens and muscles	209
<i>S. Bhasin, R. Bross, T.W. Storer and R. Casaburi</i>	
8. Androgens, cardiovascular risk factors and atherosclerosis	229
<i>A. von Eckardstein</i>	
9. Androgens and the prostate	259
<i>J. Frick, A. Jungwirth and E. Rován</i>	
10. Pharmacology and clinical uses of testosterone	293
<i>E. Nieschlag and H.M. Behre</i>	
11. Comparative pharmacokinetics of testosterone esters	329
<i>H.M. Behre and E. Nieschlag</i>	
12. Clinical pharmacology of testosterone pellet implants	349
<i>D.J. Handelsman</i>	

13.	Long-term experience with testosterone replacement through scrotal skin	365
	<i>L.E. Atkinson, Y.-L. Chang and P.J. Snyder</i>	
14.	A permeation-enhanced non-scrotal testosterone transdermal system for the treatment of male hypogonadism	389
	<i>W.A. Meikle</i>	
15.	Percutaneous dihydrotestosterone treatment	423
	<i>G. Schaison and B. Couzinnet</i>	
16.	Androgens in male senescence	437
	<i>J.M. Kaufman and A. Vermeulen</i>	
17.	Androgen therapy in non-gonadal disease	473
	<i>P.Y. Liu and D.J. Handelsman</i>	
18.	Testosterone in male contraception	513
	<i>E. Nieschlag and H.M. Behre</i>	
19.	Androgen treatment of female-to-male transsexuals	529
	<i>L.J. Gooren</i>	
20.	Abuse of androgens and detection of illegal use	545
	<i>W. Schänzer</i>	
	Subject Index	567