Contents

1 Overview of the Male Reproductive System.......................... 1
   Luis Jiménez-Reina, Pieter Johann Maartens,
   Ignacio Jimena-Medina, Ashok Agarwal and Stefan S. du Plessis

2 Overview of the Female Reproductive System...................... 19
   Juan Andrés Ramírez-González, Ricardo Vaamonde-Lemos,
   João Sabino Cunha-Filho, Alex C. Varghese and R. James Swanson

3 Overview of Fertilization, Gestation, and Parturition .......... 47
   Sergio Oehninger, R. James Swanson and Roberto Matorras

4 Conceptual and Terminological Foundations
   for the Sciences of Physical Exercise: New Perspectives........ 69
   Marzo Edir Da Silva-Grigoletto and Juan Ramón Heredia Elvar

5 Sports Physiology and Endocrinology (Endurance vs.
   Resistance Exercise).................................................. 75
   Anthony C. Hackney and Mehis Viru

6 General Adaptations to Exercise: Acute Versus Chronic
   and Strength Versus Endurance Training.......................... 93
   Michael I. Lambert

7 Impact of Physical Activity and Exercise on
   Male Reproductive Potential: Semen Alterations............... 101
   Diana Vaamonde, Ashok Agarwal, Stefan S. du Plessis,
   Carolina Algar-Santacruz and Thinus Frans Kruger

8 Hormonal Changes Associated with Physical Activity and
   Exercise Training...................................................... 125
   Anthony C. Hackney, William J. Kraemer and David R. Hooper

9 Common Male Reproductive Tract Pathologies
   Associated with Physical Activity, Exercise, and Sport........ 145
   Amy R. Lane, Alberto Da Costa Stein and Vanessa Krebs Genro
Exercise and Human Reproduction
Induced Fertility Disorders and Possible Therapies
Vaamonde, D.; du Plessis, S.S.; Agarwal, A. (Eds.)
2016, XVI, 351 p. 59 illus., 19 illus. in color., Hardcover