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Titolo	Sports endocrinology // volume editors, Fabio Lanfranco, Christian J. Strasburger
Pubbl/distr/stampa	Basel, Switzerland : , : Karger, , 2016 ©2016
ISBN	3-318-05869-6
Descrizione fisica	1 online resource (182 pages) : illustrations (some color)
Collana	Frontiers of Hormone Research, , 1662-3762 ; ; Volume 47
Disciplina	612.4
Soggetti	Endocrine glands - Physiology Exercise - Physiological aspects Sports - Physiological aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Digging into the complex relationship between physical activity and the endocrine system
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Growth hormone-insulin-like growth factor axis, thyroid axis, prolactin, and exercise / Hackney, A.C., Davis, H.C., Lane, A.R. -- Exercise and the hypothalamo-pituitary-adrenal axis / Duclos, M., Tabarin, A. -- Exercise, training, and the hypothalamic-pituitary-gonadal axis in men and women / Cano Sokoloff, N., Misra, M., Ackerman, K.E. -- Metabolic effects of exercise / Moghetti, P., Bacchi, E., Brangani, C., Don, S., Negri, C. -- Endocrine responses to exercise in the developing child and adolescent / Richmond, E., Rogol, A.D. -- Impact of physical exercise on endocrine aging / Janssen, J.A.M.J.L. -- Androgens / Iyer, R., Handelsman, D.J. -- Growth hormone and insulin-like growth factor-1 / Nicholls, A.R., Holt, R.I.G. -- Erythropoietin / Jelkmann, W. -- Ergogenic aids and supplements / Porrini, M., Del Bo', C. -- Methods for doping detection / Ponzetto, F., Giraud, S., Leuenberger, N., Boccard, J., Nicoli, R., Baume, N., Rudaz, S., Saugy, M.
Sommario/riassunto	This book is an up-to-date, extensive overview of the effects of physical activity and training on endocrine function. It gives insights into a complex relationship by describing effects with respect to exercise performance, growth, development, and ageing. It includes discussions of the endocrine response depending on exercise mode,

intensity, and duration as well as on gender, age, and fitness level. Additionally the book deals with the impact of environmental and psychological factors on endocrine level. A substantial part of Sports Endocrinology is devoted to the 'hot topic' of hormonal doping in sports. The properties of androgens, growth hormone, erythropoietin, and dietary supplements are highlighted. The use and abuse among professional and recreational athletes is discussed and specific methods of detection are presented and explained. All contributors are well-known experts in sports medicine and endocrinology, endocrine physiology, pharmacology, and doping detection, so this book is a must-read for every professional involved in the field.
