



## Hormone use and abuse by athletes /

Ghigo, E. (Ezio)  
Lanfranco, Fabio  
Strasburger, Christian J.

Springer,  
2011

Internet Resources

Monografía

Several hormones are able to influence physical performance and body composition. Thus, a bi-univocal interrelationship between exercise and hormones exists. In *Hormone Use and Abuse by Athletes*, new developments on metabolic and endocrine responses to exercise are revised and the topic of hormonal doping in sports is introduced. In the past decades, hormone abuse has become a widespread habit in professional and-most of all and more frequently-recreational performance. Anabolic steroids, growth hormones and erythropoietin properties use and misuse in sports are widely described. Specific methods to detect hormone abuse are presented and discussed. The contributors to this volume are well-known experts and dedicated researchers in the fields of sports medicine and endocrinology, endocrine physiology, pharmacology, and doping detection. The purpose of this volume is to provide all professionals involved in sports medicine and endocrinology a state-of-the-art overview of the complex interactions between physical activity and the endocrine system and to focus on hormone abuse in sports at competitive and recreational levels, highlighting its negative consequences for long-term health. 'In this very topical volume, the editors have assembled an expert panel of authors addressing one of the most significant challenges in sports medicine today-the use and abuse of hormones in competitive sports. The chapters provide up-to-date, clearly written information ranging from physiology of the pituitary axes in exercise and sports, impact of reproductive function illicit hormonal abuse, and assay methods and compelling pitfalls for rigorous detection of sports doping. This volume will be of great utility to sports physicians, exercise physiologists and endocrinologists, as well as to scientific and sports regulatory agencies and ethicists grappling with responding to this societal challenge.' - Shlomo Melmed, M.D. Series Editor

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzUxNzU0OTE>

**Título:** Hormone use and abuse by athletes Ezio Ghigo, Fabio Lanfranco, Christian J. Strasburger, editors

**Editorial:** New York Springer 2011

**Descripción física:** 1 online resource (xii, 178 pages)

**Mención de serie:** Endocrine updates

**Documento fuente:** Springer eBooks

**Bibliografía:** Includes bibliographical references and index

**Contenido:** GH/IGF-I Axis In Exercise / Enrico Gabellieri, Ignacio Bernabeu, Eva Fernandez, Monica Marazuela, Luca Chiovato, and Felipe F. Casanueva -- Exercise, Training and the Hypothalamo-Pituitary-Adrenal Axis / Martin Duclos and Antoine Tabarin -- Thyroid Axis, Prolactin and Exercise Anthony C. Hackney -- Exercise, Training and the Hypothalamic-Pituitary-Gonadal Axis in Men Michael Zitzmann -- Exercise and the Reproductive System in Women Anne B. Loucks -- Physical Exercise, Sports and Diabetes Pierpaolo de Feo -- Motor Performance and Muscle Mass as Function of the Hormonal Responses to Exercise Marco A. Minetto, Andrea Benso, Ezio Ghigo, and Fabio Lanfranco -- Sports, Hormones and Doping in Children and Adolescents Alan D. Rogol -- Androgen Abuse Karen Choong, Ravi Jasuja, Shehzad Basaria, Thomas W. Storer, and Shalender Bhasin -- Growth Hormone / Arthur Weltman -- Erythropoietin / Wolfgang Jelkmann -- Amino Acids and Non-Hormonal Compounds for Doping in Athletes / Zvi Zadik -- The Assay of Endogenous and Exogenous Anabolic Androgenic Steroids / Maria Kristina Parr, Ulrich Flenker, and Wilhelm Schänzer -- Problems With Growth Hormone Doping In Sports : Isoform Methods / Martin Bidlingmaier, Zida Wu, and Christian J. Strasburger -- Detection of Growth Hormone Doping In Sport Using Growth Hormone-Responsive Markers / Anne E. Nelson and Ken K.Y. Ho -- Distinction Between Endogenous and Exogenous Erythropoietin : Marker Methods / Jordi Segura and Mario Zorzoli -- Direct Methods for Distinction Between Endogenous and Exogenous Erythropoietin / Séverine Lamon, Neil Robinson, and Martial Saugy

**Restricciones de acceso:** University staff and students only. Requires University Computer Account login off-campus

**Lengua:** English

**Copyright/Depósito Legal:** 694145957 771455449 858880664 885451384 902399214 1058295973 1069469582 1110846531 1204095787 1391805459 1413279708

**ISBN:** 9781441970145 electronic bk.) 1441970142 electronic bk.) 1441970134 print) 9781441970138 print) 9781441970138 1282971840 9781282971844 9786612971846 6612971843

**Materia:** Hormones- Physiological effect Athletes- Drug use Doping in sports Hormones- physiology Athletes Doping in Sports Hormones Hormones- Effets physiologiques Dopage dans les sports medicines (material) hormone MEDICAL- Physiology SCIENCE- Life Sciences- Human Anatomy & Physiology Médecine Doping in sports Athletes- Drug use Hormones- Physiological effect

**Autores:** Ghigo, E. ( Ezio) Lanfranco, Fabio Strasburger, Christian J.

**Enlace a formato físico adicional:** Print version Hormone use and abuse by athletes. New York : Springer, 2011 9781441970138

**Punto acceso adicional serie-Título:** Endocrine updates

---

## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es