

Contents

VII Foreword

Ghigo, E.; Guaraldi, F. (Turin)

VIII Preface

Lanfranco, F. (Turin); Strasburger, C.J. (Berlin)

Effects of Physical Activity and Training on Endocrine Function

1 Growth Hormone-Insulin-Like Growth Factor Axis, Thyroid Axis, Prolactin, and Exercise

Hackney, A.C.; Davis, H.C.; Lane, A.R. (Chapel Hill, N.C.)

12 Exercise and the Hypothalamo-Pituitary-Adrenal Axis

Duclos, M. (Clermont-Ferrand); Tabarin, A. (Pessac)

27 Exercise, Training, and the Hypothalamic-Pituitary-Gonadal Axis in Men and Women

Cano Sokoloff, N.; Misra, M.; Ackerman, K.E. (Boston, Mass.)

44 Metabolic Effects of Exercise

Moggetti, P.; Bacchi, E.; Brangani, C.; Donà, S.; Negri, C. (Verona)

58 Endocrine Responses to Exercise in the Developing Child and Adolescent

Richmond, E. (San José); Rogol, A.D. (Charlottesville, Va.)

68 Impact of Physical Exercise on Endocrine Aging

Janssen, J.A.M.J.L. (Rotterdam)

Use of Performance-Enhancing Endocrine Drugs (Doping) in Competitive and Recreational Sports Activity

82 Androgens

Iyer, R.; Handelsman, D.J. (Sydney, N.S.W.)

101 Growth Hormone and Insulin-Like Growth Factor-1

Nicholls, A.R.; Holt, R.I.G. (Southampton)

115 Erythropoietin

Jelkmann, W. (Lübeck)

128 Ergogenic Aids and Supplements

Porrini, M.; Del Bo', C. (Milan)

153 Methods for Doping Detection

Ponzetto, F.; Giraud, S.; Leuenberger, N. (Lausanne); Boccard, J. (Geneva); Nicoli, R.;
Baume, N. (Lausanne); Rudaz, S. (Geneva); Saugy, M. (Lausanne)

168 Author Index

169 Subject Index