

International Journal of Sports Medicine

Editors

José Alberto Duarte, Porto (PT)
Donald Dengel, Minneapolis (USA)
Keith Stokes, Bath (UK)
Antonios Matsakas, Hull (UK)

Editorial Board

Tiago M. Barbosa (SGP)
Dieter Böning, Berlin (GER)
Patricia Chakur Brum, Sao Paulo (BRA)
José Calbet, Las Palmas de Gran Canaria (ESP)
Antonio Crisafulli, Cagliari (ITA)
Luigi Di Luigi, Rome (ITA)
Marc Francaux, Louvain-la-Neuve (BEL)
Albert Gollhofer, Freiburg (GER)
James Hagberg, College Park (USA)
Martin Halle, Munich (GER)
Andrew Jones, Exeter (UK)
Michael Joyner, Rochester (USA)
Andreas Kavazis, Auburn (USA)
Harm Kuipers, Maastricht (NL)
Alejandro Lucia, Madrid (ESP)
Moacir Marocolo, Juiz de Fora (BRA)
Mitsumasa Miyashita, Tokyo (JP)
Fabio Y. Nakamura, Parana (BRA)
Konstantinos Natsis, Thessaloniki (GRC)
Carlos Eduardo Negrao, Sao Paulo (BRA)
Timothy Noakes, Cape Town (SA)
Scott Powers, Gainesville (USA)
David Prior, Melbourne (AUS)
Lin Qin, Hong Kong (PRC)
Nancy Rehrer, Dunedin (NZ)
Jürgen Steinacker, Ulm (GER)
Joao Paulo Vilas Boas, Porto (PT)
Huimin Yan, Boston (USA)
Kai Zou, Boston (USA)

Publishers

Georg Thieme Verlag KG
Rüdigerstraße 14
70469 Stuttgart, Germany
Postfach 301120
70451 Stuttgart, Germany

Thieme Medical Publishers, Inc.
333 Seventh Avenue
New York, NY 10001, USA

www.thieme-connect.de/ejournals
www.thieme-connect.com/ejournals

International Journal of Sports Medicine

Volume 39

International Journal of Sports Medicine is

published in 14 issues per year.

ISSN (Print): 0172-4622

eISSN: 1439-3964

Responsible Editor

José Alberto Ramos Duarte

CIAFEL, Faculty of Sport from the University of Porto

Rua Dr. Plácido Costa, 91 4200-450 Porto, Portugal

jarduarte@fade.up.pt

Tel.: +351919422122

Fax: +351225500689

The editors are not responsible for the advertisements and supplements contained in the journal.

Publishers

Georg Thieme Verlag KG

Rüdigerstraße 14, 70469 Stuttgart or

P.O.Box 301120, 70451 Stuttgart

phone +49 711 8931-0, fax +49 711 8931-298

www.thieme.de/sportsmed

Web-App: www.thieme.de/eref-app

Editorial staff at the Georg Thieme Verlag is available via: sportsmed.impressum@thieme.de

V.i.S.d.P.:

Dr. Volker Hirschel, Rüdigerstraße 14, 70469 Stuttgart

Advertising

Thieme Media

Pharmedia Anzeigen- und Verlagsservice GmbH

Irmgard Mayer, Rüdigerstraße 14, 70469 Stuttgart or

P.O.Box 300880, 70448 Stuttgart

phone +49 711 8931-469, fax +49 711 8931-470

e-mail: irmgard.mayer@thieme-media.de

Production management

phone +49 711 8931-452, fax +49 711 8931-393

e-mail: lena.joraschek@thieme.de

Subscription information

Subscribers are asked to inform the publisher immediately in case of address changes in order to ensure correct delivery of the journal.

phone +49 711 8931-321, fax: +49 711 8931-422

e-mail: aboservice@thieme.de

The scientific text of this journal is available online

through Thieme-connect, <http://www.thieme-connect.de>. Access to Thieme-connect is free of charge for

personal subscribers. For information concerning licenses

and prices for institutional access, please contact

Carmen Krenz, e-mail: sales@thieme-connect.de

Customers from North, Central and South America

and Canada please contact Alexandra Williams,

e-mail: awilliams@thieme.com

All subscription orders are entered for the calendar

year. The rate of subscription is invoiced in advance at

the end of the year for the following year and becomes

due for payment for the full calendar year. Subscrip-

tions can be started anytime. Subscriptions are auto-

matically extended each year unless notice of cancella-

tion is received from the subscriber prior to

September 30 of each year (applies to Germany,

Switzerland, Austria only).

Subscription for Europe and countries outside the American continent

Order from: Georg Thieme Verlag KG, Rüdigerstr. 14,

70469 Stuttgart, Germany; P.O. Box 30 11 20, 70451

Stuttgart, Germany; phone +49-711-8931-421;

fax +49-711-8931-410; e-mail: customerservice@

thieme.de

Subscription for the American Continent

Order from: Thieme New York, 333 Seventh Avenue,

New York, NY 10001, USA. Order toll free +1-800-

782-3488 (US only) or +1-212-760-0888, fax +1-212-

947-0108; e-mail: customerservice@thieme.com.

Airfreight and mailing in the USA by Sheridan Press,

450 Fame Avenue, Hanover, PA 17331. Postmaster:

Send address changes to International Journal of

Sports Medicine, Thieme Medical Publishers, Inc., 333

Seventh Avenue, New York, NY 10001.

For information on personal rate subscriptions or

special society agreements, please contact Fiona

Henderson, Thieme International, phone +49-711-

8931-458, fax +49-711-8931-410, e-mail: fiona.

henderson@thieme.de

Institutions* **	USA	Outside USA
online only	\$1,885.00	\$1,885.00
print + online	\$1,962.00	\$2,039.00
print only	n/a	n/a
Individuals	USA/Can	South/Central America
print + online	\$789.00	\$873.00

* Prices include 7% VAT

** Institutional rates include single-site online access

For users in the USA

Authorization of photocopy items for internal or per-

sonal use, or the internal or personal use of specific

clients, is granted by Georg Thieme Verlag Stuttgart.

New York for libraries and other users registered with

the Copyright Clearance Center (CCC) Transactional

Reporting Service; www.copyright.com. For reprint

information in the USA, please contact: journals@

thieme.com

Product names

Product names which are registered trademarks may

not have been specifically designated as such in every

case. In case where a product has been referred to by

its registered trademark it cannot be concluded that

the name used is in the public domain. The same ap-

plies to labels, names or other signs.

Manuscripts

Impact Factor (2017): 2,453

Manuscript submission exclusively via:

<https://mc.manuscriptcentral.com/IJSM>

For details regarding manuscript submission please

refer to "Instructions for Authors": <http://www.thieme.de/de/international-journal-sports-medicine/authors-id9884.htm>.

In principle only papers will be accepted which have

not been published previously, domestically or ab-

road. Furthermore, manuscripts may not be offered

to other publications at the same time as they are

under consideration for this journal. The correspon-

ding author will receive a PDF-file for private use.

Authors may choose to allow, for a fee, free general

access to their papers online. For details, please

contact sportsmed.impressum@thieme.de

Illustrations

Unfortunately, we cannot accept images already

published in books, journals, or electronic products

of other publishers. The reason: It is almost impossible

to obtain the necessary rights of use even with pay-

ment of licensing fees. Therefore, please do not pay

any licensing fees (e.g. to "RightsLink"/Copyright

Clearance Center). Standard license contracts from "Crea-

tive Commons" are unfortunately also insufficient for

our purposes. Contact us with any questions regard-

ing the use of images.

Important note

Medicine is an ever-changing science undergoing

continual development. Research and clinical expe-

rience are continually expanding our knowledge, in

particular our knowledge of appropriate treatment

and drug therapy. Insofar as this journal mentions any

dosage or application, readers may rest assured that

the authors, editors and publishers have made reason-

able effort to ensure that such references are in ac-

cordance with the state of knowledge at the time of

production of the journal.

Nevertheless this does not involve, imply, or express

any guarantee or responsibility on the part of the pu-

blishers in respect of any dosage instructions and

forms of application stated in the journal. Every user

is requested to examine carefully the manufacturers'

leaflets accompanying each drug and to check, if ne-

cessary in consultation with a physician or specialist,

whether the dosage schedules mentioned therein or

the contraindications stated by the manufacturers

differ from the statements made in the present jour-

nal. Such examination is particularly important with

drugs that are either rarely used or have been newly

released on the market. Every dosage schedule or

every form of application used is entirely at the user's

own risk and responsibility. The authors and publis-

hers request every user to report to the publishers any

discrepancies or inaccuracies noticed.

Ownership & Copyright

© Georg Thieme Verlag KG

Stuttgart · New York 2018

This journal, including all individual contributions and

illustrations published therein, is legally protected by

copyright for the duration of the copyright period.

Any use, exploitation or commercialization outside

the narrow limits set by copyright legislation, without

the publisher's consent, is illegal and liable to criminal

prosecution. This applies in particular to photocopy

reproduction, copyright, cyclostyling, mimeogra-

phing or duplication of any kind, translating, prepa-

ration of microfilms, and electronic data processing

and storage (CD-Rom, DVD, USB memory stick, data-

bases, cloud-based service, ebook and other forms of

electronic publishing) as well as making it available to

the public (e.g., internet, intranet or other wired or

wireless data networks), in particular by displaying on

stationary or mobile visual display units, monitors,

smart phones, tablets or other devices by download

(e.g., e-pub, PDF, App) or retrieval in any other form.

Printed in Germany

Cover design: Thieme Verlagsgruppe

Typesetting: MPS Limited, Bangalore (India)

Printer: AZ Druck und Datentechnik GmbH, Kempten,

Germany

Issue 1	(January 2018)	= Page	3	–	78
Issue 2	(February 2018)	= Page	83	–	157
Issue 3	(February 2018)	= Page	163	–	236
Issue 4	(April 2018)	= Page	243	–	321
Issue 5	(May 2018)	= Page	327	–	408
Issue 6	(June 2018)	= Page	413	–	489
			e1	–	e1
Issue 7	(July 2018)	= Page	495	–	575
Issue 8	(July 2018)	= Page	581	–	655
Issue 9	(September 2018)	= Page	661	–	732
Issue 10	(October 2018)	= Page	737	–	808
			e1	–	e1
Issue 11	(October 2018)	= Page	813	–	880
Issue 12	(November 2018)	= Page	885	–	955
Issue 13	(December 2018)	= Page	962	–	1034
Issue 14	(December 2018)	= Page	1041	–	1093

Behavioural Sciences

- 944 Bravi, Riccardo, Erez James Cohen, Alessio Martinelli, Anna Gottard, Diego Minciacci
The Less You Are, the More You Are Helped: Effect of Kinesio Tape on Temporal Coordination
- 1018 Knechtle, Beat, Stefania Di Gangi, Christoph Alexander Rüst, Thomas Rosemann, Pantelis Theodoros Nikolaidis
Men's Participation and Performance in the Boston Marathon from 1897 to 2017
- 875 Nikolaidis, Pantelis Theodoros, Elias Villiger, Thomas Rosemann, Beat Knechtle
A Portrait of Pacing Profile of Cross-Country Skiers in the Vasaloppet 2004–2017
- 682 van Donkelaar, Paul, Jill Dierijck, Alexander Wright, Jonathan Smirl
A History of Concussion Does Not Lead to an Increase in Ocular Near Point of Convergence
- 674 Werneck, AndréOliveira, Danilo Rodrigues da Silva, Rômulo Araújo Fernandes, EnioRicardoVaz Ronque, Manuel J. Coelho-e-Silva, Edilson Serpeloni Cyrino
Sport Participation and Metabolic Risk During Adolescent Years: A Structured Equation Model

Clinical Sciences

- 397 Alvarez, Cristian, Rodrigo Ramirez-Campillo, Cristian Martinez-Salazar, Angélica Castillo, Francisco Gallardo, Emmanuel Gomes Ciolac
High-Intensity Interval Training as a Tool for Counteracting Dyslipidemia in Women
- 696 Anderson, Vicki, Vicky Manikas, Franz E. Babl, Stephen Hearps, Julian Dooley
Impact of Moderate Exercise on Post-concussive Symptoms and Cognitive Function after Concussion in Children and Adolescents Compared to Healthy Controls
- 646 Brunner, Stefan, Konstantinos Rizas, Wolfgang Hamm, Michael Mehr, Korbinian Lackermair
Effect of Physical Exercise on Platelet Reactivity in Patients with Dual Antiplatelet Therapy
- 141 Cheever, Kelly M., Jane McDevitt, Ryan Tierney, W. Geoffrey Wright
Concussion Recovery Phase Affects Vestibular and Oculomotor Symptom Provocation
- 936 Kim, Jonggun, JongEun Yim
Instrument-assisted Soft Tissue Mobilization Improves Physical Performance of Young Male Soccer Players

- 860 MacDonald, Kerry J., LuzMaria Palacios-Derflinger, Carolyn A. Emery, Willem H. Meeuwisse
The Effect of Injury Definition and Surveillance Methodology on Measures of Injury Occurrence and Burden in Elite Volleyball
- 867 Rochette, Emmanuelle, Etienne Merlin, Christophe Hourdé, Bertrand Evrard, Bruno Peraira, Stephane Echaubard, Pascale Duché
Inflammatory Response 24h Post-Exercise in Youth with Juvenile Idiopathic Arthritis
- 473 Samuelly-Leichtag, Gil, Einat Kodesh, Yoav Meckel, Irit Weissman-Fogel
A Fast Track to Hypoalgesia – The Anaerobic Exercise Effect on Pain Sensitivity
- 720 Teixeira, Renata Nakata, Gerson dos Santos Leite, Renata Gorjao, Patricia Palmeira, Cesar Miguel Santos, Raquel Zambonato, Heloisa Helena de Oliveira, Adriana Cristina Levada, Iara Nely Fiks, Celso Ricardo Carvalho
Immune and Inflammatory Response in Atopic Elite Endurance Athletes
- 1081 van Zantvoort, Aniek Philomena, Johan Anthonius de Bruijn, Henricus P. Hundscheid, Marike van der Cruijsen-Raaijmakers, Joep A. Teijink, Marc R. Scheltinga
Fasciotomy for Lateral Lower-leg Chronic Exertional Compartment Syndrome
- 225 Volaklis, Konstantinos, Barbara Thorand, Anette Peters, Martin Halle, Heier Margot, Ute Amann, Karl Heinz Ladwig, Holger Schulz, Wolfgang Koenig, Christa Meisinger
Muscular Strength is Independently Associated with Cystatin C: The KORA-Age Study

Editorial

- 3 Duarte, José Alberto
Changes to the Editorial Team of the IJSM

Erratum

- e1 Borszcz, Fernando Klitzke, Artur Ferreira Tramontin, Arthur Henrique Bossi, Lorival José Carminatti, Vitor Pereira Costa
Correction: Functional Threshold Power in Cyclists: Validity of the Concept and Physiological Responses

Genetics and Molecular Biology

- 1088 Coelho, Daniel Barbosa, Eduardo Mendonça Pimenta, Izinara Cruz Rosse, Bruno Magalhães de Castro, Lenice Kappes Becker, Emerson Cruz de Oliveira, Maria Raquel Carvalho, Emerson Silami Garcia
Evidence for a Role of ACTN3 R577X Polymorphism in Football Player's Career Progression
- 704 de Carvalho Cunha, Verusca Najara, Thiago dos Santos Rosa, Marcelo Magalhães Sales, Caio Victor Sousa, Samuel da Silva Aguiar, Lysleine Alves Deus, Herbert Gustavo Simoes, Rosangela Vieira de Andrade
Training Performed Above Lactate Threshold Decreases p53 and Shelterin Expression in Mice
- 67 Denham, Joshua, Adrian Gray, John Scott-Hamilton, Amanda D. Hagstrom
Sprint Interval Training Decreases Circulating MicroRNAs Important for Muscle Development

- 390 Di Mauro, Debora, Monica Currò, Fabio Trimarchi, Mercurio Vecchio, Giuseppina Rizzo, Davide Barreca, Giuseppa Visalli, Riccardo Ientile, Daniela Caccamo
Role of Genetic Background in Cardiovascular Risk Markers Changes in Water Polo Players
- 482 Hagstrom, Amanda D., Joshua Denham
microRNAs in High and Low Responders to Resistance Training in Breast Cancer Survivors
- 148 Kikuchi, Naoki, Yosuke Tsuchiya, Koichi Nakazato, Naokata Ishii, Eisuke Ochi
Effects of the ACTN3 R577X Genotype on the Muscular Strength and Range of Motion Before and After Eccentric Contractions of the Elbow Flexors
- 314 Kim, Stuart K., John P.A. Ioannidis, Marwa A Ahmed, Andrew L. Avins, John P. Kleimeyer, Michael Fredericson, Jason L. Dragoo
Two Genetic Variants Associated with Plantar Fascial Disorders
- 1028 Massidda, Myosotis, Alberto Mendez-Villanueva, Valentina Ginevičienė, Patrizia Proia, Svitlana B. Drozdovska, Victor Dosenko, Marco Scorcu, Aleksander Stula, Marek Sawczuk, Paweł Cięszczyk, CarlaMaria Calò
Association of Monocarboxylate Transporter-1 (MCT1) A1470T Polymorphism (rs1049434) with Forward Football Player Status.
- 726 Cassel, Michael, Lucie Risch, Konstantina Intziagianni, Juliane Mueller, Josefine Stoll, Pia Brecht, Frank Mayer
Incidence of Achilles and Patellar Tendinopathy in Adolescent Elite Athletes
- 1075 Ching, Eric, Winko Wen-Kang An, Ivan Pui Au, Janet Hanwen Zhang, Zoe Y.S. Chan, Gary Shum, Roy T.H. Cheung
Impact Loading During Distracted Running Before and After Auditory Gait Retraining
- 636 Chinnasee, Chamnan, Gillian Weir, Siriporn Sasimontontkul, Jacqueline Alderson, Cyril Donnelly
A Biomechanical Comparison of Single-Leg Landing and Unplanned Sidestepping
- 58 de Bruijn, Johan A., Aniek P. van Zantvoort, David van Klaveren, Michiel B. Winkes, Marike van der Crujnsen-Raaijmakers, Adwin R. Hoogeveen, Joep A. Tejjink, Marc R. Scheltinga
Factors Predicting Lower Leg Chronic Exertional Compartment Syndrome in a Large Population
- 846 Donovan, Luke, Tyler M. Miklovic, Mark A. Feger
Step-Down Task Identifies Differences in Ankle Biomechanics Across Functional Activities
- 853 Fuerst, Patrick, Albert Gollhofer, Heinz Lohrer, Dominic Gehring
Ankle Joint Control in People with Chronic Ankle Instability During Run-and-cut Movements
- 97 Hollander, Karsten, Johanna Elsabe de Villiers, Ranel Venter, Susanne Sehner, Karl Wegscheider, Klaus-Michael Braumann, Astrid Zech
Foot Strike Patterns Differ Between Children and Adolescents Growing up Barefoot vs. Shod
- 270 Imai, Atsushi, Takeshi Imai, Satoshi Iizuka, Koji Kaneoka
A Trunk Stabilization Exercise Warm-up May Reduce Ankle Injuries in Junior Soccer Players
- 232 Inoue, Hiroaki, Kunio Hara, Yuji Arai, Shuji Nakagawa, Hiroyuki Kan, Manabu Hino, Hiroyoshi Fujiwara, Toshikazu Kubo
Outcome of Low-Invasive Local Split-Thickness Lengthening for Iliotibial Band Friction Syndrome
- 625 Kwon, Yong Ung
Static Postural Stability in Chronic Ankle Instability, an Ankle Sprain and Healthy Ankles
- 549 Labanca, Luciana, Luca Laudani, Pier Paolo Mariani, Andrea Macaluso
Postural Adjustments Following ACL Rupture and Reconstruction: A Longitudinal Study
- 50 Lesinski, Melanie, Olaf Prieske, Rainer Beurskens, David Behm, Urs Granacher
Effects of Drop-height and Surface Instability on Jump Performance and Knee Kinematics
- 1009 Li, Yumeng, Jupil Ko, Marika Walker, Cathleen Brown, Julianne Schmidt, Seock-Ho Kim, Kathy Simpson
Does Chronic Ankle Instability Influence Knee Biomechanics of Females during Inverted Surface Landings?
- 1068 Masters, Ashleigh, Kevin J. Netto, Susi Brooker, Diana Hopper, Bernard Liew
Hip Taping Positively Alters Running Kinematics in Asymptomatic Females
- 555 Mueller, Steffen, Tilman Engel, Juliane Mueller, Josefine Stoll, Heiner Baur, Frank Mayer
Sensorimotor Exercises and Enhanced Trunk Function: A Randomized Controlled Trial
- 282 Nagahara, Ryu, Yohei Takai, Hiroaki Kanehisa, Tetsuo Fukunaga
Vertical Impulse as a Determinant of Combination of Step Length and Frequency During Sprinting

Immunology

- 73 Quiles, Norberto, Carol Garber, Joseph Ciccolo
Resting Autonomic Function in Active and Insufficiently Active People Living with HIV
- 133 Silva-Renno, Adriano, Guilherme Crisitanini Baldivia, Manoel C. Oliveira-Junior, Maysa Alves Brandao-Rangel, Elias El-Mafarjeh, Marisa Dolhnikoff, Thaís Mauad, Jôse Mára Britto, Paulo Hilário Saldiva, Luis Vicente Oliveira, Ana P. Ligeiro-Oliveira, Gustavo Silveira Graudenz, Rodolfo Paula Vieira
Exercise Performed Concomitantly with Particulate Matter Exposure Inhibits Lung Injury

Letter to the Editor

- 407 Li, Li, Matt Syno
Letter to the Editor: A Functional MRI Exploration of Hamstring Activation During the Supine Bridge Exercise

Letter to the Editor – Response

- 408 Shield, Anthony, Matthew Bourne, Morgan Williams, Tania Pizzari
Reply to Li et al.

Orthopedics and Biomechanics

- 1063 Barfield, Jeff W., Hillary A. Plummer, Adam W. Anz, James R. Andrews, Gretchen D. Oliver
Biceps Tendon Changes in Youth Softball Pitchers Following an Acute Bout of Pitching
- 104 Bourne, Matthew, Morgan Williams, Tania Pizzari, Anthony Shield
A functional MRI Exploration of Hamstring Activation During the Supine Bridge Exercise

- 782 Nowotny, Joerg, Philip Kasten, Christian Kopkow, Achim Biewener, Frieder Mauch
Evaluation of a New Exercise Program in the Treatment of Scapular Dyskinesia
- 929 Oliver, Gretchen D., Gabrielle G. Gilmer, Adam W. Anz, Kenzie B. Friesen, Abigail R. Brittain, Michael D. Goodlett, Jeffrey R. Dugas, James R. Andrews
Upper Extremity Pain and Pitching Mechanics in National Collegiate Athletic Association (NCAA) Division I Softball
- 564 Ramkumar, Prem N., Sergio M. Navarro, Margaret M. Cornaghi, Heather S. Haerberle, Hafsa Hameed, Mark S. Schickendantz, Eric T. Ricchetti, Joseph P. Iannotti
Social Media in Shoulder & Elbow Surgery: An Analysis of Twitter and Instagram
- 37 Schütz, Uwe Hans-Werner, Christian Billich, Daniel Schoss, Meinrad Beer, Jutta Ellermann
MRI Cartilage Assessment of the Subtalar and Midtarsal Joints During a Transcontinental Ultramarathon – New Insights into Human Locomotion
- 630 Smyers Evanson, Alyssa, Joseph William Myrer, Dennis L. Eggett, Ulrike H. Mitchell, A. Wayne Johnson
Multifidus Muscle Size and Symmetry in Ballroom Dancers with and without Low Back Pain
- 275 Ueno, Hiromasa, Tadashi Suga, Kenji Takao, Takahiro Tanaka, Jun Misaki, Yuto Miyake, Akinori Nagano, Tadao Isaka
Association between Forefoot Bone Length and Performance in Male Endurance Runners
- 468 Wakahara, Taku, Manabu Chiba
Relation Between Iliopsoas Cross-sectional Area and Kicked Ball Speed in Soccer Players
- 571 Washington, Jessica, Gabrielle Gilmer, Gretchen Oliver
Acute Hip Abduction Fatigue on Lumbopelvic-Hip Complex Stability in Softball Players
- 462 Washington, Jessica K., Gabrielle G. Gilmer, Jeff W. Barfield, Sarah S. Gascon, Michael G. Saper, Jeffrey R. Dugas, James R. Andrews, Gretchen D. Oliver
Differences in Segmental Speeds as a Function of Maturation in Youth Baseball Pitchers
- 893 Hill, Ethan C., Terry J. Housh, Cory M. Smith, Joshua L. Keller, Richard J. Schmidt, Glen O. Johnson
Sex- and Mode-specific Responses to Eccentric Muscle Fatigue
- 264 Hill, Ethan C., Terry J. Housh, Clayton L. Camic, Cory M. Smith, Richard J. Schmidt, Glen Johnson
Velocity-Dependent Changes in Electrical Efficiency of the Leg Extensors during Eccentric Isokinetic Muscle Actions
- 181 Hiura, Mikio, Tadashi Nariai, Muneyuki Sakata, Akitaka Muta, Kenji Ishibashi, Kei Wagatsuma, Tetsuro Tago, Jun Toyohara, Kenji Ishii, Taketoshi Maehara
Response of Cerebral Blood Flow and Blood Pressure to Dynamic Exercise: A Study Using PET
- 343 Hughes, Jonathan D., Katrina Denton, Rhodri S. Lloyd, Jon L. Oliver, Mark De Ste Croix
The Impact of Soccer Match Play on the Muscle Damage Response in Youth Female Athletes
- 1041 Jürimäe, Jaak, Sille Vaiksaar, Priit Purge
Circulating Inflammatory Cytokine Responses to Endurance Exercise in Female Rowers
- 83 Koh, Yunsuk, Jin Park, Rick Carter
Oxidized Low-Density Lipoprotein and Cell Adhesion Molecules Following Exercise Training
- 749 Leoni, Luis Antonio, Andre R. Fukushima, Leandro Y. Rocha, Daniele J. Feriani, Hélio José Júnior, Bruno B. Gambassi, Cristiano T. Mostarda, Laura Beatriz Maifrino, Bruno Rodrigues
Exercise Training Plus Sildenafil Treatment: Role on Autonomic and Inflammatory Markers
- 413 Liu, Guanghui, Jiasheng Zhao, Yang Cao
Arterial Stiffness Response to Regular Aerobic Training in Hypercholesterolemia Patients
- 962 Miura, Hajime, Miduki Ishikawa, Kenichi Deguchi
Moderate-intensity Arm-cranking Exercise may not Improve Arterial Function in Healthy Adult Men
- 5 Miyamoto, Toshiaki, Keiichi Kou, Hideya Yanamoto, Saya Hashimoto, Mai Ikawa, Takashi Sekiyama, Yoshiki Nakano, Shin-ichiro Kashiwamura, Chisako Takeda, Hiroyuki Fujioka
Effect of Neuromuscular Electrical Stimulation on Brain-derived Neurotrophic Factor
- 604 Naghibzadeh, Maryam, Rouhollah Ranjbar, Mohammad Reza Tabandeh, Abdolhamid Habibi
Effects of Two Training Programs on Transcriptional Levels of Neurotrophins and Glial Cells Population in Hippocampus of Experimental Multiple Sclerosis
- 495 Okamoto, Takanobu, Seok-Ki Min, Mikako Sakamaki-Sunaga
Acute Effect of Interval Walking on Arterial Stiffness in Healthy Young Adults
- 89 Oliveira, Ricardo S., Alan R. Barker, Craig Anthony Williams
Cardiac Autonomic Function, Cardiovascular Risk and Physical Activity in Adolescents
- 173 Rakobowchuk, Mark, Laurie Isacco, Ophélie Ritter, Alicia González Represas, Malika Bouhaddi, Bruno Degano, Nicolas Tordi, Laurent Mourot
Muscle Oxygenation Responses to Low-intensity Steady Rate Concentric and Eccentric Cycling
- 502 Serpiello, Fabio R., Grant M. Duthie, Codey Moran, Damian Kovacevic, Erch Selimi, Matthew C. Varley
The Occurrence of Repeated High Acceleration Ability (RHAA) in Elite Youth Football

Physiology and Biochemistry

- 743 Becker, Lenice Kappes, Nádia Totou, Samara Moura, Lucas Kangussu, Ruben Dario Millán, Maria Jose Campagnole-Santos, Daniel Coelho, Daisy Motta-Santos, Robson Augusto Santos
Eccentric Overload Muscle Damage is Attenuated By a Novel Angiotensin- (1-7) Treatment
- 21 Bouzid, Mohamed Amine, Edith Filaire, Régis Matran, Sophie Robin, Claudine Fabre
Lifelong Voluntary Exercise Modulates Age-Related Changes in Oxidative Stress
- 885 Figueira, Ana Cristina, Mafalda Corrêa Figueira, Carina Silva, Ana Padrão, Paula Alexandra Oliveira, Rita Pinho Ferreira, Jose Alberto Duarte
Exercise Training-induced Modulation in Microenvironment of Rat Mammary Neoplasms
- 712 Gravisse, Nicolas, Nancy Vibarel-Rebot, Zakaria Labsy, Manh-Cuong Do, Olivier Gagey, Céline Dubourg, Michel Audran, Katia Collomp
Short-term Dehydroepiandrosterone Intake and Supramaximal Exercise in Young Recreationally-trained Women
- 967 He, Zihong, Tuomo Rankinen, Arthur S. Leon, James Skinner, André Tchernof, Claude Bouchard
Plasma Steroids are Not Associated with Resting and Exercise Blood Pressure

- 255 Snipe, Rhiannon M., Anthony Khoo, Cecilia M. Kitic, Peter R. Gibson, Ricardo J. Costa
The Impact of Mild Heat Stress During Prolonged Running On Gastrointestinal Integrity, Gastrointestinal Symptoms, Systemic Endotoxin and Cytokine Profiles
- 972 Timmerman, Kyle L., Kevin D. Ballard, Gabrielle A. Volk, Michael A. Deal, Adam J. Meisler, Jenna M. Karrow, Alex P. Good, Sandy T. Reynolds
Altering Physical Activity Influences Insulin Responses to Glucose Ingestion in Healthy Adults
- 12 Tomschi, Fabian, Wilhelm Bloch, Marijke Grau
Impact of Type of Sport, Gender and Age on Red Blood Cell Deformability of Elite Athletes
- 596 Tomschi, Fabian, David Niemann, Wilhelm Bloch, Hans-Georg Predel, Marijke Grau
Ischemic Preconditioning Enhances Performance and Erythrocyte Deformability of Responders

Review

- 581 di Prampero, Pietro Enrico, Cristian Osgnach
Metabolic Power in Team Sports - Part 1: An Update
- 163 Domínguez, Raúl, José Luis Maté-Muñoz, Noemí Serra-Paya, Manuel Vicente Garnacho-Castaño
Lactate Threshold as a Measure of Aerobic Metabolism in Resistance Exercise
- 327 Figueira, Ana Cristina, António Cortinhas, Jorge Pinto Soares, José Carlos Leitão, Rita Pinho Ferreira, Jose Alberto Duarte
Efficacy of Exercise on Breast Cancer Outcomes: A Systematic Review and Meta-analysis of Preclinical Data
- 588 Osgnach, Cristian, Pietro Enrico di Prampero
Metabolic Power in Team Sports - Part 2: Aerobic and Anaerobic Energy Yields
- 243 Thomas, Ewan, Antonino Bianco, Antonio Paoli, Antonio Palma
The Relation Between Stretching Typology and Stretching Duration: The Effects on Range of Motion

SMIO Teaser

- 655 Sports Medicine International Open –recently published
- 955 Sports Medicine International Open –recently published

Thank for Review

- 154 Acknowledgement for Reviewers

Training and Testing

- 1049 Arsa, Gisela, Fernanda Cordoba Lanza, Lucieli Teresa Cambri, Ednei Luiz Antonio, Neif Murad, Marco Túlio de Mello, Alexandra Alberto Santos, Paulo de Tarso Camillo de Carvalho, José Antonio Silva-Junior, Danilo Sales Bocalini, Barbara Sampaio Mansano, Paulo José Tucci, Andrey Jorge Serra
Predicted Equation for VO₂ Based on a 20-Meter Multistage Shuttle Run Test for Children
- 433 Borms, Dorien, Ann Cools
Upper-Extremity Functional Performance Tests: Reference Values for Overhead Athletes

- 737 Borszcz, Fernando Klitzke, Artur Ferreira Tramontin, Arthur Henrique Bossi, Lorival José Carminatti, Vitor Pereira Costa
Functional Threshold Power in Cyclists: Validity of the Concept and Physiological Responses
- 442 Campa, Francesco, Analiza Mónica Silva, Stefania Toselli
Changes in Phase Angle and Handgrip Strength Induced by Suspension Training in Older Women
- 791 Caruso, John Francis, Michael Voor, Jason Jagggers, T. B Symons, Jeremy Stith, Ling Bai, Ema Selimovic, Kathy Carter, Jennifer Daily
Musculoskeletal Outcomes from Chronic High-Speed, High-Impulse Resistance Exercise
- 995 Carvalhais, Alice, Thuane Da Roza, Sofia Vilela, Renato Natal Jorge, Kari Bø
Association Between Physical Activity Level and Pelvic Floor Muscle Variables in Women
- 527 Cavalcante, Edilaine F., Alex S. Ribeiro, Matheus A. do Nascimento, Analiza M. Silva, Crisieli M. Tomeleri, Hellen C.G. Nabuco, Fábio L. Pina, Jerry L. Mayhew, Marzo E. Da Silva-Grigoletto, Danilo R. da Silva, Steven J. Fleck, Edilson S. Cyrino
Effects of Different Resistance Training Frequencies on Fat in Overweight/Obese Older Women
- 218 Chino, Kentaro, Toshiyuki Ohya, Emika Kato, Yasuhiro Suzuki
Muscle Thickness and Passive Muscle Stiffness in Elite Athletes: Implications of the Effect of Long-Term Daily Training on Skeletal Muscle
- 29 de Souza, Thiago Mattos, Cleiton Augusto Libardi, Cláudia Regina Cavaglieri, Arthur Fernandes Gáspari, Diego Trevisan Brunelli, Giovana Vergínia de Souza, Carlos Ugrinowitsch, Li Min Li, Mara Patricia Chacon-Mikahil
Concurrent Training with Blood Flow Restriction does not Decrease Inflammatory Markers
- 613 dos Santos, Leandro, Alex S. Ribeiro, Edilaine F. Cavalcante, Hellen C. Nabuco, Melissa Antunes, Brad J. Schoenfeld, Edilson S. Cyrino
Effects of Modified Pyramid System on Muscular Strength and Hypertrophy in Older Women
- 382 Dror, Azriel D., Katie Virk, Kassandra Lee, Aaron Gerston, Anuradha Prakash, Marcia J. Abbott, S. Victoria Jaque, Ken D. Sumida
Resistance Training Threshold for Elevating Bone Mineral Density in Growing Female Rats
- 688 Duarte, Joao P., João Valente-dos-Santos, Manuel J. Coelho-e-Silva, R. M. Malina, Dieter Deprez, Renaat Philippaerts, Matthieu Lenoir, Roel Vaeyens
Developmental Changes in Isometric Strength: Longitudinal Study in Adolescent Soccer Players
- 291 Elmer, David J., Marissa Toney
Respiratory Rate Threshold Accurately Estimates the Second Lactate Threshold
- 909 García-García, Oscar, Alba Cuba-Dorado, Diego Fernández-Redondo, José López-Chicharro
Neuromuscular Parameters Predict the Performance in an Incremental Cycling Test
- 115 Garnacho-Castaño, Manuel Vicente, Raúl Domínguez, Arturo Muñoz González, Raquel Feliu-Ruano, Noemí Serra-Payá, José Luis Maté-Muñoz
Exercise Prescription Using the Borg Rating of Perceived Exertion to Improve Fitness
- e1 González-Mohíno, Fernando, Raúl Martín, Daniel Juárez Santos-García, Pedro Angel Fidel, Francisco de Asis Fernandez, Inmaculada Yustres, José María González-Ravé
Correction: Effects of High-intensity Warm-ups on Running Performance

- 426 González-Mohíno, Fernando, Raúl Martín, Daniel Juárez Santos-García, Pedro Angel Fidel, Francisco de Asis Fernandez, Inmaculada Yustres, José María González-Ravé
Effects of High-intensity Warm-ups on Running Performance
- 902 Hacke, Claudia, David Nunan, Burkhard Weisser
Do Exercise Trials for Hypertension Adequately Report Interventions? A Reporting Quality Study
- 419 Jensen, Karina Gregersen, Susanne Rosthøj, Allan Linneberg, Mette Aadahl
The Association Between Self-Rated Fitness and Cardiorespiratory Fitness in Adults
- 764 Jurado-Lavanant, A., J. R. Alvero-Cruz, F. Pareja-Blanco, C. Melero-Romero, D. Rodríguez-Rosell, J. C. Fernandez-Garcia
The Effects of Aquatic Plyometric Training on Repeated Jumps, Drop Jumps and Muscle Damage
- 661 Kariyama, Yasushi, Hiroaki Hobara, Koji Zushi
The Effect of Increasing Jump Steps on Stance Leg Joint Kinetics in Bounding
- 198 Keiller, Don, Dan Gordon
Confirming Maximal Oxygen Uptake: Is Heart Rate the Answer?
- 840 Kerhervé, Hugo A., Benjamin Chatel, Sébastien Reboah, Jérémy Rossi, Pierre Samozino, Laurent A Messonnier
Comparison of Prolonged Rowing on Fixed and Free-floating Ergometers in Competitive Rowers
- 835 Lapiere, Stephanie S., Brett D. Baker, Hirofumi Tanaka
Age-related Changes in Training Stimuli and Performance in Masters Swimmers
- 189 Loturco, Irineu, Lucas Adriano Pereira, Ronaldo Kobal, Cesar Cavinato Abad, William Komatsu, Ronaldo Cunha, Gustavo Arliani, Benno Ejnisman, AlbertodeCastro Pochini, Fábio Yuzo Nakamura, Moises Cohen
Functional Screening Tests: Interrelationships and Ability to Predict Vertical Jump Performance
- 297 Maly, Tomas, Dai Sugimoto, Jana Izovska, Frantisek Zahalka, Lucia Mala
Effect of Muscular Strength, Asymmetries and Fatigue on Kicking Performance in Soccer Players
- 813 Martin, Victor, Javier Sanchez-Sanchez, Rodrigo Ramirez-Campillo, Fábio Yuzo Nakamura, Oliver Gonzalo-Skok
Validity of the RSA-RANDOM Test for Young Soccer Players
- 110 Miyamoto, Naokazu, Kosuke Hirata, Noriko Kimura, Eri Miyamoto-Mikami
Contributions of Hamstring Stiffness to Straight-Leg-Raise and Sit-and-Reach Test Scores
- 984 Morales-Artacho, Antonio Jesus, Amador García Ramos, Alejandro Pérez-Castilla, Paulino Padial, Javier Argüelles-Cienfuegos, Blanca de la Fuente, Belen Feriche
Associations of the Force-velocity Profile with Isometric Strength and Neuromuscular Factors
- 450 Morrissey, Christopher, David Montero, Cecile Raverdy, Delphine Masson, Marie-Jo Amiot, Agnes Vinet
Effects of Exercise Intensity on Microvascular Function in Obese Adolescents
- 349 Munguia-Izquierdo, Diego, Luis Suarez-Arrones, Valter Di Salvo, Victor Paredes-Hernandez, Julian Alcazar, Ignacio Ara, Richard Kreider, Alberto Mendez-Villanueva
Validation of Field Methods to Assess Body Fat Percentage in Elite Youth Soccer Players
- 978 Navarro-Sanz, Ana, Alejandro Espejo-Reina, Maria Victoria Cerezo-Guzman, Juan F. Fernandez-Ortega, Hector Meza-Leiva, Inmaculada Conejo-Tirado, Clara Santiago-Sanchez
Synchronized Pedaling with Martial Arts Improves Quality of Life of Women with Breast Cancer
- 535 Oliveira, Pedro, Karenina Arrais Modesto, Martim Bottaro, Nicolas Babault, João Luiz Durigan
Training Effects of Alternated and Pulsed Currents on the Quadriceps Muscles of Athletes
- 508 Petit, Elisabeth, Hubert Bourdin, Grégory Tio, Omer Yenil, Emmanuel Haffen, Fabienne Mougin
Effects of a 20-Min Nap Post Normal and Jet Lag Conditions on P300 Components in Athletes
- 619 Riiser, Amund, Vidar Andersen, Carlo Castagna, SveinArne Pettersen, Atle Saeterbakken, Christian Froyd, Einar Ylvisaker, Terje Naess Kjosnes, Vegard Fusche Moe
The Construct Validity of the CODA and Repeated Sprint Ability Tests in Football Referees
- 355 Ruas, Cassio V., Lee E. Brown, Camila D. Lima, G. Gregory Haff, Ronei S. Pinto
Different Muscle Action Training Protocols on Quadriceps-Hamstrings Neuromuscular Adaptations
- 1001 Sado, Natsuki, Shinsuke Yoshioka, Senshi Fukushima
Hip Abductors and Lumbar Lateral Flexors act as Energy Generators in Running Single-leg Jumps
- 456 Scheer, Volker, Katharina Ramme, Claus Reinsberger, Hans-Christian Heitkamp
VO2max Testing in Trail Runners: Is There a Specific Exercise Test Protocol?
- 773 Schmitt, Laurent, Jacques Regnard, Nicolas Coulmy, Gregoire P. Millet
Influence of Training Load and Altitude on Heart Rate Variability Fatigue Patterns in Elite Nordic Skiers
- 668 Sousa, Ana Catarina, Ricardo J. Fernandes, Joao Paulo Boas, Pedro Figueiredo
High-intensity Interval Training in Different Exercise Modes: Lessons from Time to Exhaustion
- 802 Spangler, Rhys, Timo Rantalainen, Paul B. Gastin, Daniel Wundersitz
Inertial Sensors are a Valid Tool to Detect and Consistently Quantify Jumping
- 822 Staunton, Craig, Daniel Wundersitz, Brett Gordon, Michael Kingsley
Accelerometry-Derived Relative Exercise Intensities in Elite Women's Basketball
- 210 Stavrinou, Pinielopi S., Gregory C. Bogdanis, Christoforos D. Giannaki, Gerasimos Terzis, Marios Hadjicharalambous
High-intensity Interval Training Frequency: Cardiometabolic Effects and Quality of Life
- 374 Tan, Sijie, Ping Du, Wanting Zhao, Jiaqi Pang, Jianxiong Wang
Exercise Training at Maximal Fat Oxidation Intensity for Older Women with Type 2 Diabetes
- 124 Thompson, Brennan J., Morgan Whitson, Eric J. Sobolewski, Matt S. Stock
Effects of Age, Joint Angle, and Test Modality on Strength Production and Functional Outcomes
- 517 Torres-Torrel, Julio, David Rodríguez-Rosell, Ricardo Mora-Custodio, Fernando Pareja-Blanco, Juan Manuel Yañez-García, Juan José González-Badillo
Effects of Resistance Training and Combined Training Program on Repeated Sprint Ability in Futsal Players
- 304 Truong, Perrine, Gregoire P. Millet, Boris Gojanovic
Perceptually Regulated Exercise Test Allows Determination of VO2max and Ventilatory Threshold But Not Respiratory Compensation Point In Trained Runners

- 204 Ueno, Hiromasa, Tadashi Suga, Kenji Takao,
Takahiro Tanaka, Jun Misaki, Yuto Miyake,
Akinori Nagano, Tadao Isaka
Potential Relationship between Passive Plantar Flexor
Stiffness and Running Performance
- 757 VanSumeren, Ashley L., Thomas K. Bye,
Matthew A. Kilgas, Matthew M. Hartvigsen,
Steven J. Elmer
Influence of the Lower Body on Seated Arm Cranking
Performance
- 916 Vest, Stine Dahl, Jacob Frandsen, Steen Larsen,
Flemming Dela, Jørn Wulff Helge
Peak Fat Oxidation is not Independently Related to
Ironman Performance in Women
- 366 Wade, Rodney C., Robert M. Lester, Ashraf S. Gorgey
Validation of Anthropometric Muscle Cross-Sectional
Area Equation after Spinal Cord Injury
- 541 Wahl, Patrick, Lukas Zwingmann, Christian Manunzio,
Jacob Wolf, Wilhelm Bloch
Higher Accuracy of the Lactate Minimum Test
Compared to Established Threshold Concepts to
Determine Maximal Lactate Steady State in Running
- 828 Yanase, Ko, Satoshi Hasegawa, Masatoshi Nakamura,
Taishi Yamauchi, Satoru Nishishita, Kojiro Araki,
Jun Umehara, Kosuke Fujita, Ikuya Sato, Satoko Ibuki,
Noriaki Ichihashi
Electrical Stimulation to the Infraspinatus on
Hypertrophy and Strength of the Shoulder
- 924 Yeo, Sang Seok, Jung Won Kwon
Wheelchair Skills Training for Functional Activity in
Adults with Cervical Spinal Cord Injury
- 1055 Zemková, Erika, José María Muyor, Michal Jeleň
Association of Trunk Rotational Velocity with Spine
Mobility and Curvatures in Para Table Tennis Players

A

Aadahl, Mette 419
 Abad, Cesar Cavinato 189
 Abbott, Marcia J. 382
 Ahmed, Marwa A 314
 Alcazar, Julian 349
 Alderson, Jacqueline 636
 Alvarez, Cristian 397
 Alvero-Cruz, J. R. 764
 Amann, Ute 225
 Amiot, Marie-Jo 450
 An, Winko Wen-Kang 1075
 Andersen, Vidar 619
 Anderson, Vicki 696
 Andrews, James R. 462, 929, 1063
 Antonio, Ednei Luiz 1049
 Antunes, Melissa 613
 Anz, Adam W. 929, 1063
 Ara, Ignacio 349
 Arai, Yuji 232
 Araki, Kojiro 828
 Argüelles-Cienfuegos, Javier 984
 Arliani, Gustavo 189
 Arsa, Gisela 1049
 Au, Ivan Pui 1075
 Audran, Michel 712
 Avins, Andrew L. 314

B

Babault, Nicolas 535
 Babl, Franz E. 696
 Bai, Ling 791
 Baker, Brett D. 835
 Baldivia, Guilherme Crisitanini 133
 Ballard, Kevin D. 972
 Barfield, Jeff W. 462, 1063
 Barker, Alan R. 89
 Barreca, Davide 390
 Baur, Heiner 555
 Becker, Lenice Kappes 743, 1088
 Beer, Meinrad 37
 Behm, David 50
 Beurskens, Rainer 50
 Bianco, Antonino 243
 Biewener, Achim 782
 Billich, Christian 37
 Bloch, Wilhelm 12, 541, 596
 Boas, Joao Paulo 668
 Bocalini, Danilo Sales 1049
 Bogdanis, Gregory C. 210
 Borms, Dorien 433
 Borszcz, Fernando Klitzke 737, e1
 Bossi, Arthur Henrique 737, e1
 Bottaro, Martim 535
 Bouchard, Claude 967
 Bouhaddi, Malika 173
 Bourdin, Hubert 508
 Bourne, Matthew 104, 408
 Bouzid, Mohamed Amine 21
 Brandao-Rangel, Maysa Alves 133
 Braumann, Klaus-Michael 97
 Bravi, Riccardo 944
 Brecht, Pia 726
 Brittain, Abigail R. 929
 Britto, Jôse Mára 133
 Brooker, Susi 1068

Brown, Cathleen 1009
 Brown, Lee E. 355
 Brunelli, Diego Trevisan 29
 Brunner, Stefan 646
 Bye, Thomas K. 757
 Bø, Kari 995

C

Caccamo, Daniela 390
 Calò, CarlaMaria 1028
 Cambri, Lucieli Teresa 1049
 Camic, Clayton L. 264
 Campa, Francesco 442
 Campagnole-Santos, Maria Jose 743
 Cao, Yang 413
 Carminatti, Lorival José 737, e1
 Carter, Kathy 791
 Carter, Rick 83
 Caruso, John Francis 791
 Carvalhais, Alice 995
 Carvalho, Celso Ricardo 720
 Carvalho, Maria Raquel 1088
 Cassel, Michael 726
 Castagna, Carlo 619
 Castillo, Angélica 397
 Cavaglieri, Cláudia Regina 29
 Cavalcante, Edilaine F. 527, 613
 Cerezo-Guzman, Maria Victoria 978
 Chacon-Mikahil, Mara Patricia 29
 Chan, Zoe Y.S. 1075
 Chatel, Benjamin 840
 Cheever, Kelly M. 141
 Cheung, Roy T.H. 1075
 Chiba, Manabu 468
 Ching, Eric 1075
 Chinnasee, Chamnan 636
 Chino, Kentaro 218
 Ciccolo, Joseph 73
 Cięszczyk, Paweł 1028
 Ciolac, Emmanuel Gomes 397
 Coelho, Daniel 743, 1088
 Coelho-e-Silva, Manuel J. 674, 688
 Cohen, Erez James 944
 Cohen, Moises 189
 Collomp, Katia 712
 Conejo-Tirado, Inmaculada 978
 Cools, Ann 433
 Cornaghie, Margaret M. 564
 Cortinhas, António 327
 Costa, Ricardo J. 255
 Costa, Vitor Pereira 737, e1
 Coulmy, Nicolas 773
 Cuba-Dorado, Alba 909
 Cunha, Ronaldo 189
 Currò, Monica 390
 Cyrino, Edilson S. 527, 613, 674

D

Daily, Jennifer 791
 Da Roza, Thuane 995
 da Silva, Danilo R. 527, 674
 da Silva Aguiar, Samuel 704
 Da Silva-Grigoletto, Marzo E. 527
 Deal, Michael A. 972
 de Andrade, Rosangela Vieira 704

de Asis Fernandez, Francisco 426, e1
 de Bruijn, Johan A. 58, 1081
 de Carvalho Cunha, Verusca Najara 704
 de Castro, Bruno Magalhães 1088
 Degano, Bruno 173
 Deguchi, Kenichi 962
 Dela, Flemming 916
 de la Fuente, Blanca 984
 de Mello, Marco Túlio 1049
 Denham, Joshua 67, 482
 Denton, Katrina 343
 de Oliveira, Emerson Cruz 1088
 de Oliveira, Heloisa Helena 720
 Deprez, Dieter 688
 de Souza, Giovana Vergínia 29
 de Souza, Thiago Mattos 29
 De Ste Croix, Mark 343
 de Tarso Camillo de Carvalho, Paulo 1049
 Deus, Lysleine Alves 704
 de Villiers, Johanna Elsabe 97
 Dierijck, Jill 682
 Di Gangi, Stefania 1018
 Di Mauro, Debora 390
 di Prampero, Pietro Enrico 581, 588
 Di Salvo, Valter 349
 Do, Manh-Cuong 712
 Dolhnikoff, Marisa 133
 Domínguez, Raúl 115, 163
 do Nascimento, Matheus A. 527
 Donnelly, Cyril 636
 Donovan, Luke 846
 Dooley, Julian 696
 Dosenko, Victor 1028
 dos Santos, Leandro 613
 dos Santos Leite, Gerson 720
 dos Santos Rosa, Thiago 704
 Dragoo, Jason L. 314
 Dror, Azriel D. 382
 Drozdovska, Svitlana B. 1028
 Du, Ping 374
 Duarte, Joao P. 688
 Duarte, Jose Alberto 327, 885
 Duarte, José Alberto 3
 Dubourg, Céline 712
 Duché, Pascale 867
 Dugas, Jeffrey R. 462, 929
 Durigan, João Luiz 535
 Duthie, Grant M. 502

E

Echaubard, Stephane 867
 Eggett, Dennis L. 630
 Ejnisman, Benno 189
 Ellermann, Jutta 37
 El-Mafarjeh, Elias 133
 Elmer, David J. 291
 Elmer, Steven J. 757
 Emery, Carolyn A. 860
 Engel, Tilman 555
 Espejo-Reina, Alejandro 978
 Evrard, Bertrand 867

F

Fabre, Claudine 21

Feger, Mark A. 846
 Feliu-Ruano, Raquel 115
 Feriani, Daniele J. 749
 Feriche, Belen 984
 Fernandes, Ricardo J. 668
 Fernandes, Rômulo Araújo 674
 Fernandez-Garcia, J. C. 764
 Fernandez-Ortega, Juan F. 978
 Fernández-Redondo, Diego 909
 Ferreira, Rita Pinho 327, 885
 Fidel, Pedro Angel 426, e1
 Figueira, Ana Cristina 327, 885
 Figueira, Mafalda Corrêa 885
 Figueiredo, Pedro 668
 Fiks, Iara Nely 720
 Filaire, Edith 21
 Fleck, Steven J. 527
 Frandsen, Jacob 916
 Fredericson, Michael 314
 Friesen, Kenzie B. 929
 Froyd, Christian 619
 Fuerst, Patrick 853
 Fujioka, Hiroyuki 5
 Fujita, Kosuke 828
 Fujiwara, Hiroyoshi 232
 Fukashiro, Senshi 1001
 Fukunaga, Tetsuo 282
 Fukushima, Andre R. 749
 Fusche Moe, Vegard 619

G

Gagey, Olivier 712
 Gallardo, Francisco 397
 Gambassi, Bruno B. 749
 Garber, Carol 73
 Garcia, Emerson Silami 1088
 García-García, Oscar 909
 Garnacho-Castaño, Manuel Vicente 115, 163
 Gascon, Sarah S. 462
 Gáspari, Arthur Fernandes 29
 Gatin, Paul B. 802
 Gehring, Dominic 853
 Gerston, Aaron 382
 Giannaki, Christoforos D. 210
 Gibson, Peter R. 255
 Gilmer, Gabrielle G. 462, 571, 929
 Ginevičienė, Valentina 1028
 Gojanovic, Boris 304
 Gollhofer, Albert 853
 González-Badillo, Juan José 517
 González-Mohino, Fernando 426, e1
 González-Ravé, José María 426, e1
 Gonzalo-Skok, Oliver 813
 Good, Alex P. 972
 Goodlett, Michael D. 929
 Gordon, Brett 822
 Gordon, Dan 198
 Gorgey, Ashraf S. 366
 Gorjao, Renata 720
 Gottard, Anna 944
 Granacher, Urs 50
 Grau, Marijke 12, 596
 Graudenz, Gustavo Silveira 133
 Gravisse, Nicolas 712
 Gray, Adrian 67
 Gregory Haff, G. 355

H

Habibi, Abdolhamid 604
 Hacke, Claudia 902
 Hadjicharalambous, Marios 210
 Haerberle, Heather S. 564
 Haffen, Emmanuel 508
 Hagstrom, Amanda D. 67, 482
 Halle, Martin 225
 Hameed, Hafsah 564
 Hamm, Wolfgang 646
 Hara, Kunio 232
 Hartvigsen, Matthew M. 757
 Hasegawa, Satoshi 828
 Hashimoto, Saya 5
 He, Zihong 967
 Hearps, Stephen 696
 Heitkamp, Hans-Christian 456
 Helge, Jørn Wulff 916
 Hill, Ethan C. 264, 893
 Hino, Manabu 232
 Hirata, Kosuke 110
 Hiura, Mikio 181
 Hobara, Hiroaki 661
 Hollander, Karsten 97
 Hoogeveen, Adwin R. 58
 Hopper, Diana 1068
 Hourdé, Christophe 867
 Housh, Terry J. 264, 893
 Hughes, Jonathan D. 343
 Hundscheid, Henricus P. 1081

I

Iannotti, Joseph P. 564
 Ibuki, Satoko 828
 Ichihashi, Noriaki 828
 Ientile, Riccardo 390
 Iizuka, Satoshi 270
 Ikawa, Mai 5
 Imai, Atsushi 270
 Imai, Takeshi 270
 Inoue, Hiroaki 232
 Intziagianni, Konstantina 726
 Ioannidis, John P.A. 314
 Isacco, Laurie 173
 Isaka, Tadao 204, 275
 Ishibashi, Kenji 181
 Ishii, Kenji 181
 Ishii, Naokata 148
 Ishikawa, Miduki 962
 Izoanska, Jana 297

J

Jaggers, Jason 791
 Jaque, S. Victoria 382
 Jelen, Michal 1055
 Jensen, Karina Gregersen 419
 Johnson, A. Wayne 630
 Johnson, Glen 264, 893
 Jorge, Renato Natal 995
 Júnior, Hélio José 749
 Jurado-Lavanant, A. 764
 Jürimäe, Jaak 1041

K

Kan, Hiroyuki 232
 Kanehisa, Hiroaki 282
 Kaneoka, Koji 270
 Kangussu, Lucas 743
 Kariyama, Yasushi 661
 Karrow, Jenna M. 972
 Kashiwamura, Shin-ichiro 5
 Kasten, Philip 782
 Kato, Emika 218
 Keiller, Don 198
 Keller, Joshua L. 893
 Kerhervé, Hugo A. 840
 Khoo, Anthony 255
 Kikuchi, Naoki 148
 Kilgas, Matthew A. 757
 Kim, Jonggun 936
 Kim, Seock-Ho 1009
 Kim, Stuart K. 314
 Kimura, Noriko 110
 Kingsley, Michael 822
 Kitic, Cecilia M. 255
 Kleimeyer, John P. 314
 Knechtle, Beat 875, 1018
 Ko, Jupil 1009
 Kobal, Ronaldo 189
 Kodesh, Einat 473
 Koenig, Wolfgang 225
 Koh, Yunsuk 83
 Komatsu, William 189
 Kopkow, Christian 782
 Kou, Keihou 5
 Kovacevic, Damian 502
 Kreider, Richard 349
 Kubo, Toshikazu 232
 Kwon, Jung Won 924
 Kwon, Yong Ung 625

L

Labanca, Luciana 549
 Labsy, Zakaria 712
 Lackermair, Korbinian 646
 Ladwig, Karl Heinz 225
 Lanza, Fernanda Cordoba 1049
 Lapierre, Stephanie S. 835
 Larsen, Steen 916
 Laudani, Luca 549
 Lee, Cassandra 382
 Leitão, José Carlos 327
 Lenoir, Matthieu 688
 Leon, Arthur S. 967
 Leoni, Luis Antonio 749
 Lesinski, Melanie 50
 Lester, Robert M. 366
 Levada, Adriana Cristina 720
 Li, Li 407
 Li, Yumeng 1009
 Libardi, Cleiton Augusto 29
 Liew, Bernard 1068
 Ligeiro-Oliveira, Ana P. 133
 Lima, Camila D. 355
 Linneberg, Allan 419
 Liu, Guanghui 413
 Lohrer, Heinz 853
 López-Chicharro, José 909
 Loturco, Irineu 189

M

Macaluso, Andrea 549
 MacDonald, Kerry J. 860
 Maehara, Taketoshi 181
 Maifrino, Laura Beatriz 749
 Mala, Lucia 297
 Malina, R. M. 688
 Maly, Tomas 297
 Manikas, Vicky 696
 Mansano, Barbara Sampaio 1049
 Manunzio, Christian 541
 Margot, Heier 225
 Mariani, Pier Paolo 549
 Martín, Victor 813
 Martín, Raúl 426, e1
 Martinelli, Alessio 944
 Martinez-Salazar, Cristian 397
 Massidda, Myosotis 1028
 Masson, Delphine 450
 Masters, Ashleigh 1068
 Maté-Muñoz, José Luis 115, 163
 Matran, Régis 21
 Mauad, Thaís 133
 Mauch, Frieder 782
 Mayer, Frank 555, 726
 Mayhew, Jerry L. 527
 McDevitt, Jane 141
 Meckel, Yoav 473
 Meeuwisse, Willem H. 860
 Mehr, Michael 646
 Meisinger, Christa 225
 Meisler, Adam J. 972
 Melero-Romero, C. 764
 Mendez-Villanueva, Alberto 349, 1028
 Merlin, Etienne 867
 Messonnier, Laurent A 840
 Meza-Leiva, Hector 978
 Miklovic, Tyler M. 846
 Millán, Ruben Dario 743
 Millet, Gregoire P. 304, 773
 Min, Seok-Ki 495
 Minciacchi, Diego 944
 Min Li, Li 29
 Misaki, Jun 204, 275
 Mitchell, Ulrike H. 630
 Miura, Hajime 962
 Miyake, Yuto 204, 275
 Miyamoto, Naokazu 110
 Miyamoto, Toshiaki 5
 Miyamoto-Mikami, Eri 110
 Modesto, Karenina Arrais 535
 Montero, David 450
 Mora-Custodio, Ricardo 517
 Morales-Artacho, Antonio Jesus 984
 Moran, Codey 502
 Morrissey, Christopher 450
 Mostarda, Cristiano T. 749
 Motta-Santos, Daisy 743
 Mougín, Fabienne 508
 Moura, Samara 743
 Mourot, Laurent 173
 Mueller, Juliane 555, 726
 Mueller, Steffen 555
 Munguia-Izquierdo, Diego 349
 Muñoz González, Arturo 115
 Murad, Neif 1049
 Muta, Akitaka 181
 Muyor, José María 1055

Myrer, Joseph William 630

N

Nabuco, Hellen C.G. 527, 613
 Naess Kjosnes, Terje 619
 Nagahara, Ryu 282
 Nagano, Akinori 204, 275
 Naghibzadeh, Maryam 604
 Nakagawa, Shuji 232
 Nakamura, Fábio Yuzo 189, 813
 Nakamura, Masatoshi 828
 Nakano, Yoshiki 5
 Nakazato, Koichi 148
 Nariai, Tadashi 181
 Navarro, Sergio M. 564
 Navarro-Sanz, Ana 978
 Netto, Kevin J. 1068
 Niemann, David 596
 Nikolaidis, Pantelis Theodoros 875, 1018
 Nishishita, Satoru 828
 Nowotny, Joerg 782
 Nunan, David 902

O

Ochi, Eisuke 148
 Ohya, Toshiyuki 218
 Okamoto, Takanobu 495
 Oliveira, Luis Vicente 133
 Oliveira, Paula Alexandra 885
 Oliveira, Pedro 535
 Oliveira, Ricardo S. 89
 Oliveira-Junior, Manoel C. 133
 Oliver, Gretchen D. 462, 571, 929, 1063
 Oliver, Jon L. 343
 Osgnach, Cristian 581, 588

P

Padial, Paulino 984
 Padrão, Ana 885
 Palacios-Derflinger, LuzMaria 860
 Palma, Antonio 243
 Palmeira, Patricia 720
 Pang, Jiaqi 374
 Paoli, Antonio 243
 Paredes-Hernandez, Victor 349
 Pareja-Blanco, F. 764
 Pareja-Blanco, Fernando 517
 Park, Jin 83
 Pereira, Bruno 867
 Pereira, Lucas Adriano 189
 Pérez-Castilla, Alejandro 984
 Peters, Anette 225
 Petit, Elisabeth 508
 Pettersen, SveinArne 619
 Philippaerts, Renaat 688
 Pimenta, Eduardo Mendonça 1088
 Pina, Fábio L. 527
 Pinto, Ronei S. 355
 Pizzari, Tania 104, 408
 Plummer, Hillary A. 1063
 Pochini, AlbertodeCastro 189
 Prakash, Anuradha 382
 Predel, Hans-Georg 596

Prieske, Olaf 50
 Proia, Patrizia 1028
 Purge, Priit 1041

Q

Quiles, Norberto 73

R

Rakobowchuk, Mark 173
 Ramirez-Campillo, Rodrigo 397
 Ramírez-Campillo, Rodrigo 813
 Ramkumar, Prem N. 564
 Rammé, Katharina 456
 Ramos, Amador García 984
 Ranjbar, Rouhollah 604
 Rankinen, Tuomo 967
 Rantalainen, Timo 802
 Raverdy, Cecile 450
 Reboah, Sébastien 840
 Regnard, Jacques 773
 Reinsberger, Claus 456
 Represas, Alicia González 173
 Reynolds, Sandy T. 972
 Ribeiro, Alex S. 527, 613
 Ricchetti, Eric T. 564
 Riiser, Amund 619
 Risch, Lucie 726
 Ritter, Ophélie 173
 Rizas, Konstantinos 646
 Rizzo, Giuseppeina 390
 Robin, Sophie 21
 Rocha, Leandro Y. 749
 Rochette, Emmanuelle 867
 Rodrigues, Bruno 749
 Rodríguez-Rosell, D. 764
 Rodríguez-Rosell, David 517
 Ronque, EnioRicardoVaz 674
 Rosemann, Thomas 875, 1018
 Rosse, Izinara Cruz 1088
 Rossi, Jérémy 840
 Rosthøj, Susanne 419
 Ruas, Cassio V. 355
 Rüst, Christoph Alexander 1018

S

S. Lloyd, Rhodri 343
 Sado, Natsuki 1001
 Saeterbakken, Atle 619
 Sakamaki-Sunaga, Mikako 495
 Sakata, Muneyuki 181
 Saldiva, Paulo Hilário 133
 Sales, Marcelo Magalhães 704
 Samozino, Pierre 840
 Samuelly-Leichtag, Gil 473
 Sanchez-Sanchez, Javier 813
 Santiago-Sanchez, Clara 978
 Santos, Alexandra Alberto 1049
 Santos, Cesar Miguel 720
 Santos, Robson Augusto 743
 Santos-García, Daniel Juárez 426, e1
 Saper, Michael G. 462
 Sasimontonkul, Siriporn 636
 Sato, Ikuya 828
 Sawczuk, Marek 1028

Scheer, Volker 456
 Scheltinga, Marc R. 58, 1081
 Schickendantz, Mark S. 564
 Schmidt, Julianne 1009
 Schmidt, Richard J. 264, 893
 Schmitt, Laurent 773
 Schoenfeld, Brad J. 613
 Schoss, Daniel 37
 Schulz, Holger 225
 Schütz, Uwe Hans-Werner 37
 Scorcu, Marco 1028
 Scott-Hamilton, John 67
 Sehner, Susanne 97
 Sekiyama, Takashi 5
 Selimi, Erch 502
 Selimovic, Ema 791
 Serpiello, Fabio R. 502
 Serra, Andrey Jorge 1049
 Serra-Paya, Noemí 163
 Serra-Payá, Noemí 115
 Shield, Anthony 104, 408
 Shum, Gary 1075
 Silva, Analiza Mónica 442, 527
 Silva, Carina 885
 Silva-Junior, José Antonio 1049
 Silva-Renno, Adriano 133
 Simoes, Herbert Gustavo 704
 Simpson, Kathy 1009
 Skinner, James 967
 Smirl, Jonathan 682
 Smith, Cory M. 264, 893
 Smyers Evanson, Alyssa 630
 Snipe, Rhiannon M. 255
 Soares, Jorge Pinto 327
 Sobolewski, Eric J. 124
 Sousa, Ana Catarina 668
 Sousa, Caio Victor 704
 Spangler, Rhys 802
 Staunton, Craig 822
 Stavrinou, Pinelopi S. 210
 Stith, Jeremy 791
 Stock, Matt S. 124
 Stoll, Josefina 555, 726
 Stula, Aleksander 1028
 Suarez-Arrones, Luis 349
 Suga, Tadashi 204, 275
 Sugimoto, Dai 297
 Sumida, Ken D. 382
 Suzuki, Yasuhiro 218
 Symons, T. B. 791
 Syno, Matt 407

T

Tabandeh, Mohammad Reza 604
 Tago, Tetsuro 181
 Takai, Yohei 282
 Takao, Kenji 204, 275
 Takeda, Chisako 5
 Tan, Sijie 374
 Tanaka, Hirofumi 835
 Tanaka, Takahiro 204, 275
 Tchernof, André 967
 Tejjink, Joep A. 58, 1081
 Teixeira, Renata Nakata 720
 Terzis, Gerasimos 210
 Thomas, Ewan 243
 Thompson, Brennan J. 124

Thorand, Barbara 225
 Tierney, Ryan 141
 Timmerman, Kyle L. 972
 Tio, Grégory 508
 Tomeleri, Crisieli M. 527
 Tomschi, Fabian 12, 596
 Toney, Marissa 291
 Tordi, Nicolas 173
 Torres-Torrel, Julio 517
 Toselli, Stefania 442
 Totou, Nádia 743
 Toyohara, Jun 181
 Tramontin, Artur Ferreira 737, e1
 Trimarchi, Fabio 390
 Truong, Perrine 304
 Tsuchiya, Yosuke 148
 Tucci, Paulo José 1049

U

Ueno, Hiromasa 204, 275
 Ugrinowitsch, Carlos 29
 Umehara, Jun 828

V

Vaeyens, Roel 688
 Vaiksaar, Sille 1041
 Valente-dos-Santos, João 688
 van der Crujnsen-Raaijmakers, Marike 58, 1081
 van Donkelaar, Paul 682
 van Klaveren, David 58
 VanSumeren, Ashley L. 757
 van Zantvoort, Aniek P. 58, 1081
 Varley, Matthew C. 502
 Vecchio, Mercurio 390
 Venter, Ranel 97
 Vest, Stine Dahl 916
 Vibarel-Rebot, Nancy 712
 Vieira, Rodolfo Paula 133
 Vilela, Sofia 995
 Villiger, Elias 875
 Vinet, Agnes 450
 Virk, Katie 382
 Visalli, Giuseppa 390
 Volaklis, Konstantinos 225
 Volk, Gabrielle A. 972
 Voor, Michael 791

W

Wade, Rodney C. 366
 Wagatsuma, Kei 181
 Wahl, Patrick 541
 Wakahara, Taku 468
 Walker, Marika 1009
 Wang, Jianxiong 374
 Washington, Jessica K. 462, 571
 Wegscheider, Karl 97
 Weir, Gillian 636
 Weisser, Burkhard 902
 Weissman-Fogel, Irit 473
 Werneck, AndréOliveira 674
 Whitson, Morgan 124
 Williams, Craig Anthony 89
 Williams, Morgan 104, 408

Winkes, Michiel B. 58
 Wolf, Jacob 541
 Wright, Alexander 682
 Wright, W. Geoffrey 141
 Wundersitz, Daniel 802, 822

Y

Yamauchi, Taishi 828
 Yanamoto, Hideya 5
 Yanase, Ko 828
 Yañez-García, Juan Manuel 517
 Yenil, Omer 508
 Yeo, Sang Seok 924
 Yim, JongEun 936
 Ylvisaker, Einar 619
 Yoshioka, Shinsuke 1001
 Yustres, Inmaculada 426, e1

Z

Zahalka, Frantisek 297
 Zambonato, Raquel 720
 Zech, Astrid 97
 Zemková, Erika 1055
 Zhang, Janet Hanwen 1075
 Zhao, Jiasheng 413
 Zhao, Wanting 374
 Zushi, Koji 661
 Zwingmann, Lukas 541