

JOURNAL OF PEDIATRIC ENDOCRINOLOGY AND METABOLISM

EDITOR-IN-CHIEF

Wieland Kiess, Leipzig

HONORARY EDITOR

Zvi Zadik, Rehovot

ASSOCIATE EDITORS

Abdullah Bereket, Istanbul

Feyza Darendeliler, Istanbul

Mehul Dattani, London

Jan Gustafsson, Uppsala

Feihong Luo, Shanghai

Veronica Mericq, Santiago

Tom Ogata, Tokyo

Jorma Toppari, Turku

ASSISTANT MANAGING EDITOR

Melanie Penke, Leipzig

EDITORIAL BOARD

Tadej Battelino, Ljubljana

Fernando Cassorla, Santiago de Chile

George Chrousos, Athens

Wayne Cutfield, Auckland

Johnny Deladoey, Montreal, QC

Rasha Tarif Hamza, Cairo

Eli HersHKovitz, Beersheba

Stephen LaFranchi, Portland, OR

Roberto Lanes, Caracas

Warren Lee, Singapore

Rod Mitchell, Edinburgh

Angelika Mohn, Chieti

Margaret Zacharin, Melbourne

DE GRUYTER

ABSTRACTED/INDEXED IN Baidu Scholar · Case · Chemical Abstracts Service (CAS): CAPlus; SciFinder · Clarivate Analytics: Biological Abstracts; BIOSIS Previews; Current Contents/Life Sciences; Journal Citation Reports/Science Edition; Prouis Science Integrity; Science Citation Index; Science Citation Index Expanded; Web of Science · CNKI Scholar (China National Knowledge Infrastructure) · CNPIEC · EBSCO (relevant databases) · EBSCO Discovery Service · Elsevier: Embase; Pathway Studio; Reaxys; SCOPUS; Text Mining · Gale/Cengage · Genamics JournalSeek · Google Scholar · ICAP Alcohol Information Databases · Index Copernicus · Japan Science and Technology Agency (JST) · J-Gate · JournalGuide · JournalTOCs · KESLI-NDSL (Korean National Discovery for Science Leaders) · Medline · Meta (formerly Scisearch) · Microsoft Academic · Naviga (Softweco) · Primo Central (ExLibris) · ProQuest (relevant databases) · Publons · PubMed · PubsHub · ReadCube · SCImago (SJR) · Sherpa/RoMEO · Summon (Serials Solutions/ProQuest) · TDNet · Ulrich's Periodicals Directory/ulrichsweb · WanFang Data · WorldCat (OCLC)

The publisher, together with the authors and editors, has taken great pains to ensure that all information presented in this work (programs, applications, amounts, dosages, etc.) reflects the standard of knowledge at the time of publication. Despite careful manuscript preparation and proof correction, errors can nevertheless occur. Authors, editors and publisher disclaim all responsibility for any errors or omissions or liability for the results obtained from use of the information, or parts thereof, contained in this work. The citation of registered names, trade names, trademarks, etc. in this work does not imply, even in the absence of a specific statement, that such names are exempt from laws and regulations protecting trademarks etc. and therefore free for general use.

ISSN 0334-018X · e-ISSN 2191-0251

All information regarding notes for contributors, subscriptions, Open access, back volumes and orders is available online at www.degruyter.com/jpem.

RESPONSIBLE EDITOR(S) Prof. Dr. Wieland Kiess, MD, Professor of Pediatrics, Director and Chair, Hospital for Children and Adolescents, Department of Women and Child Health, University Hospitals, University of Leipzig, Liebigstraße 20a, 04103 Leipzig, Germany, Tel.: +49 (0)341 972 60 00, Fax: +49 (0)341 972 60 09, e-mail: Wieland.Kiess@medizin.uni-leipzig.de

JOURNAL MANAGER Agnes Tymieniecki, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany, Tel.: +49 (0)30 260 05 – 325, Fax: +49 (0)30 260 05 – 184, e-mail: jpem.editorial@degruyter.com

RESPONSIBLE FOR ADVERTISEMENTS top-ad Bernd Beutel, Schlossergässchen 10, 69469 Weinheim, Germany, Tel.: +49 (0)62 01 290 92-0, Fax: +49 (0)62 01 290 92-20, e-mail: info@top-ad-online.de

© 2018 Walter de Gruyter GmbH, Berlin/Boston

TYPESETTING Compuscript Ltd., Shannon, Ireland

PRINTING Franz X. Stücker Druck und Verlag e.K., Ettenheim

Cover Illustration: medicalpicture/Friedhelm Achenbach



Contents

Original Articles

Nader Kasim, Bindiya Bagga and Alicia Diaz-Thomas
Intracranial pathologies associated with central diabetes insipidus in infants — 951

Esra Nurten, Mandy Vogel, Thomas Michael Kapellen, Sandy Richter, Antje Garten, Melanie Penke, Susanne Schuster, Antje Körner, Wieland Kiess and Jürgen Kratzsch
Omentin-1 and NAMPT serum concentrations are higher and CK-18 levels are lower in children and adolescents with type 1 diabetes when compared to healthy age, sex and BMI matched controls — 959

Muhammad Asif, Muhammad Aslam and Saima Altaf
Evaluation of anthropometric parameters of central obesity in Pakistani children aged 5–12 years, using receiver operating characteristic (ROC) analysis — 971

Amel Ben Chehida, Sana Ben Messaoud, Rim Ben Abdelaziz, Hajer Mansouri, Hela Boudabous, Kaouthar Hakim, Nadia Ben Ali, Zeineb Ben Ameer, Yosra Sassi, Neziha Kaabachi, Sonia Abdelhak, Mohamed Slim Abdelmoula, Hatem Azzouz and Neji Tebib
A lower energetic, protein and uncooked cornstarch intake is associated with a more severe outcome in glycogen storage disease type III: an observational study of 50 patients — 979

Kristal Anne Matlock, Sarah Dawn Corathers and Nana-Hawa Yayah Jones
Untreated congenital hypothyroidism due to loss to follow-up: developing preventive strategies through quality improvement — 987

Maja Vučinić, Vesna Kušec, Sandra Dundović, Jasenka Ille and Miroslav Dumić
The effect of 17 years of increased salt iodization on the prevalence and nature of goiter in Croatian schoolchildren — 995

Pantea Nazeri, Mamak Shariat, Yadollah Mehrabi, Parvin Mirmiran and Fereidoun Azizi
Is there an association between thyrotropin levels within the normal range and birth growth parameters in full-term newborns? — 1001

Anil Kumar, Ankita Pal, Mani Kalaivani, Nandita Gupta and Vandana Jain
Etiology of short stature in Indian children and an assessment of the growth hormone-insulin-like growth factor axis in children with idiopathic short stature — 1009

Jack Sellick, Sarah Aldridge, Matthew Thomas and Tim Cheetham
Growth of patients with congenital adrenal hyperplasia due to 21-hydroxylase in infancy, glucocorticoid requirement and the role of mineralocorticoid therapy — 1019

Patricia A. Crock, Dieter K. Lüdecke, Ulrich J. Knappe and Wolfgang Saeger
A personal series of 100 children operated for Cushing's disease (CD): optimizing minimally invasive diagnosis and transnasal surgery to achieve nearly 100% remission including reoperations — 1023

Gerusa E. Milano-Gai, Lupe Furtado-Alle, Jorge Mota, Leilane Lazarotto, Gisele E. Milano, Ricardo R. de Souza Lehtonen, Ana C.K. Titski, Íncare C. Jesus, Luciane V. Tureck, Rosana B. Radominski, Manuel João Coelho-e-Silva and Neiva Leite
12-Week aerobic exercise and nutritional program minimized the presence of the 64Arg allele on insulin resistance — 1033

Letter to the Editor

Osman Yesilbas, Ela Cem and Emine Ayca Cimbek
Successful treatment of life-threatening severe metabolic acidosis by continuous veno-venous hemodialysis in a child with diabetic ketoacidosis — 1043

Case Reports

Mahmut Aslan, Serkan Kirik, Bilge Özgör and Serdal Güngör
Two siblings with metachromatic leukodystrophy caused by a novel identified homozygous mutation in the ARSA gene — 1047

Sorin Ioacara, Elisabeta Sava, Alexandra Barosan,
Florentina Cojocaru, Adelina Gutan and Simona Fica
**To diet or not to diet in neonatal diabetes responding to
sulfonylurea treatment — 1053**

Moumita Biswas, Malay Kumar Sinha, Mrinal Kanti Das
and Sumantra Sarkar
**Van Wyk-Grumbach syndrome with hemangioma in an
infant — 1057**

Tyler Hamby, Nayana Kunnel, John S. Dallas and Don P.
Wilson
**Maternal iodine excess: an uncommon cause of acquired
neonatal hypothyroidism — 1061**