

# **ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE**

**BIMONTLY**

2014, Vol. 23, No. 1 (January–February)

**Publisher**

Wroclaw Medical University

**Editor-in-Chief**

MARIA PODOLAK-DAWIDZIAK

**Vice-Editor-in-Chief**

MARTA STRUTYŃSKA-KARPIŃSKA

**Secretary**

KATARZYNA NEUBAUER

**Editorial Board**

MACIEJ BAGŁAJ, PIOTR DZIĘGIEL, IRENA FRYDECKA, MARIAN KLINGER,  
PIOTR PONIKOWSKI, MAREK SĄSIADEK, JACEK SZEPETOWSKI, MARIA WARWAS

**International Advisory Board**

HANS-OLOV ADAMI (STOCKHOLM, SWEDEN), ROBERT C. BAST, JR. (HOUSTON, USA),  
BRUNO BONAZ (GRENOBLE, FRANCE), JOHN G. DELINASSIOS (ATHENS, GREECE),  
ANTHONY FREW (BRIGHTON, GREAT BRITAIN), CLAES G. FROSTELL (STOCKHOLM, SWEDEN),  
ANTONINA HARŁOŻIŃSKA-SZMYRKA (WROCŁAW, POLAND), ANDRZEJ GÓRSKI (WARSAW,  
POLAND), HEINZ GISSLINGER (VIENNA, AUSTRIA), PETER GROSS (DRESDEN, GERMANY),  
SERGE JOTHY (TORONTO, CANADA), FRANCISZEK KOKOT (KATOWICE, POLAND),  
MACIEJ KRZAKOWSKI (WARSAW, POLAND), IRVIN M. MODLIN (NEW HAVEN, USA),  
MATHIAS MONTENARH (HOMBURG, GERMANY), KENJI OGAWA (TOKYO, JAPAN),  
LESZEK PARADOWSKI (WROCŁAW, POLAND), HANS-DETLEV SAEGER (DRESDEN, GERMANY),  
ROBERT A. SCHWARTZ (NEW JERSEY, USA), ANETTA UNDAS (CRACOW, POLAND),  
KRZYSZTOF WARZOCZA (WARSAW, POLAND), TONY WYSS-CORAY (STANFORD, USA),  
MARIAN ZEMBALA (ZABRZE, POLAND), MAREK ZIĘTEK (WROCŁAW, POLAND)

**Technical Editorship**

PIOTR GIL, PAULINA KUNICKA, HELENA ŚNIEŻYK, EWA ŚNIEŻYK-MILCZYŃSKA

**English Language Copy Editors**

SHERILL HOWARD POCIECHA, JASON SCHOCK

**Address of Editorial Office**

T. Chałubińskiego 6a, 50-368 Wrocław, Poland

tel.: +48 71 784 15 86, fax: +48 71 784 00 32, e-mail: redakcja@umed.wroc.pl

## **Thematic Editors**

### **Basic Sciences**

NICOLAS BLIN (TUBINGEN, GERMANY)

### **Pharmaceutical Sciences**

GRZEGORZ SAWICKI (SASKATCHEWAN, CANADA)

### **Dentistry**

THOMAS GEDRANGE (DRESDEN, GERMANY), URSZULA KACZMAREK (WROCLAW, POLAND)

### **Surgery**

DOV WEISSBERG (ISRAEL)

### **Public Health**

ELŻBIETA KRAJEWSKA-KUŁAK (BIALYSTOK, POLAND)

### **Statistical Editor**

DOROTA DIAKOWSKA

## **Subscription conditions**

Requests for subscriptions should be directed to the Editorial Office:

Editorial Office

Advances in Clinical and Experimental Medicine

T. Chałubińskiego 6a, 50-368 Wrocław, Poland

e-mail: redakcja@umed.wroc.pl

The price for a single issue is 12 EUR and for a year's subscription 70 EUR

Bank account number: 35 1500 1793 1217 9000 9997 0000

© Copyright by Wrocław Medical University, Wrocław 2014

Print edition is the original version of the journal

**Impact Factor: 0.293**

**Score: Polish Ministry of Science and Higher Education – parametric evaluation of journals – 15 pt.,  
Index Copernicus – 10.24 pt.**

**Indexed in: MEDLINE, Science Citation Index Expanded, Journal Citation Reports/Science Edition,  
Scopus, EMBASE/Excerpta Medica, Ulrich's™ International Periodicals Directory, Index Copernicus**

This publication has been co-financed by the Ministry of Science and Higher Education

Typographic design and cover: Maciej Szlapka

Typesetting and text makeup: TYPO-GRAF

Printing and binding: ARG

Circulation: 180 copies

# Contents

## EDITORIAL

- Yasin Al-Qubati, Edmund J. Janniger, Robert A. Schwartz:** Pyogenic Granuloma of the Lip – Treatment with Carbon Dioxide Slush Cryosurgery as an Approach in a Resource-Poor Country ..... 5

## ORIGINAL PAPERS

- Alicja Kędzia, Małgorzata Janecka, Katarzyna Miśkiewicz, Krzysztof Dudek:** Morphometry of Human Musculus Gluteus Maximus in Foetal Period ..... 9
- Isil Fidan, Ayse Kalkancı, Emine Yesilyurt, Berna Erdal:** *In Vitro* Effects of *Candida albicans* and *Aspergillus fumigatus* on Dendritic Cells and the Role of Beta Glucan in this Effect ..... 17
- Katarzyna Skórka, Nupur Bhattacharya, Paulina Własiuk, Małgorzata Kowal, Daniel Mertens, Anna Dmoszyńska, Krzysztof Giannopoulos:** Thalidomide Regulation of NF-κB Proteins Limits Tregs Activity in Chronic Lymphocytic Leukemia ..... 25
- Nihal Bakirkalay Aydin, Turgut Teke, Hatice Toy, Kursat Uzun:** The Effect of Theophylline on the Prevention of Mechanical Ventilation-Induced Diaphragm Atrophy in Rats ..... 33
- Rafał Małecki, Krzysztof Rosiński, Rajmund Adamiec:** Etiological Factors of Infections in Diabetic Foot Syndrome – Attempt to Define Optimal Empirical Therapy ..... 39
- Neset Cerit, Asuman Arslan Onuk, Hamit Yasar Ellidag, Esin Eren, Nurullah Bulbulla, Necat Yilmaz:** Arylesterase and Oxidative Stress in Operating Room Personnel ..... 49
- Snezana Rsovac, Katarina Milosevic, Branimir Nestorovic, Aleksandra Nikolic:** Complications of Mechanical Ventilation in Pediatric Patients in Serbia ..... 57
- Emel Kiyak Caglayan, Mustafa Kara, Sema Etiz, Pinar Kumru, Nurettin Aka, Gultekin Kose:** The Effects of Progesterone Selection on Psychological Symptoms in Hormone Replacement Therapy ..... 63
- Tomasz Grzegorzek, Bogdan Kolebacz, Grażyna Stryjewska-Makuch, Alicja Kasperska-Zając, Maciej Misiołek:** The Influence of Selected Preoperative Factors on the Course of Endoscopic Surgery in Patients with Chronic Rhinosinusitis ..... 69
- Mieczysław Fryczkowski, Piotr Bryniarski, Maciej Szczębara, Andrzej Paradysz:** The Impact of 5-Alpha Reductase Inhibitor vs. Alpha-1 Adrenergic Receptor Antagonists on Course of Prostate Premalignant Conditions ..... 79
- Xing-Hua Wang, Ying Shi, Huan-Hu Zhang, Xia Ma:** Characteristics of Focal Liver Lesions in Arterial Phase on Contrast-enhanced Ultrasound and Contrast-enhanced Computed Tomography – Comparative Study ..... 85
- Ferruh Yücel, Suzan Onur Yaman, Demet Özbabalık, Serhat Özkan, Gürsel Ortug, Gazi Özdemir:** Morphometric Measurements of MRI Findings in Patients with Alzheimer's Disease ..... 91
- Wojciech Pietras, Radosław Chaber, Halina Pela, Katarzyna Trybucka, Alicja Chybicka:** The Recovery of Immune System Parameters in Children Following Lymphoblastic Leukemia Therapy – Preliminary Report ..... 97
- Anna Kofla-Dłubacz, Małgorzata Matusiewicz, Elżbieta Krzesiek, Leszek Noga, Barbara Iwańczak:** Metalloproteinase-3 and -9 as Novel Markers in the Evaluation of Ulcerative Colitis Activity in Children ..... 103
- Katarzyna Gruszka, Katarzyna Kubicka, Wiesława Jonak, Krzysztof A. Sobiech, Andrzej Steciwko:** Preferred and Undesirable Products in the Dietary Habits of Women ..... 111
- Aleksandra Czerw, Katarzyna Obłoza:** The Image of Polish Medical Institutions in the Media ..... 117

## REVIEWS

- Irena Choroszy-Krół, Magdalena Frej-Mądrzak, Martyna Hoher, Jolanta Sarowska, Agnieszka Jama-Kmiecik:** Infections Caused by *Chlamydophila pneumoniae* ..... 123
- Maria Kraj:** Immunoglobulin Heavy Chain/Light Chain Pairs (Hlc, Hevylite<sup>TM</sup>) Assays for Diagnosing and Monitoring Monoclonal Gammopathies ..... 127
- Aleksander Łukasiewicz, Tomasz Drewna:** Synthetic Implants in Hernia Surgery ..... 135
- Arleta Głowacka, Maja Matthews-Kozanecka, Maciej Kawala, Beata Kawala:** The Impact of the Long-Term Playing of Musical Instruments on the Stomatognathic System – Review ..... 143