

**mjms**  
e-ISSN 1857-5773

# Macedonian Journal of Medical Sciences

<http://www.mjms.ukim.edu.mk>



Maced J Med Sci. 2013 Sep 15; 6(3):215-333.

MJMS is an international peer-reviewed, Open Access journal published four times per year.

Indexed in: Bielefeld Academic Search Engine (BASE), CAB Direct, Directory of Open Access Journals (DOAJ), EBSCO, Embase, Global Health database, Google Scholar, HINARI Access to Research Initiative, Index Copernicus, NINGBO DIGITAL LIBRARY, Open J-Gate, ScientificCommons, SCIRUS, Scopus, Socol@r, WANFANG DATA, WorldCat, WorldWideScience.gov. Publisher: ID Design 2012/DOOEL Skopje on behalf of Institute of Immunobiology and Human Genetics, Faculty of Medicine, Ss Cyril and Methodius University of Skopje, Skopje, Republic of Macedonia. Official journal of Macedonian Society of Immunology (MSI) and Macedonian Donor Registry (MKDR). MJMS Online (eISSN 1857-5773) offers free access to all articles at <http://www.mjms.ukim.edu.mk/>

#### Editors-in-Chief:

Mirko Spiroski, MD, PhD (Skopje, Macedonia)  
Jean Gogusev, MD, PhD (Paris, France)

#### Executive Editors:

##### Deputy-Editors-in-Chief:

Dejan Trajkov, MD, PhD (Skopje, Macedonia);  
Aleksandar Petlichkovski, MD, PhD (Skopje, Macedonia)  
Elizabeta Mukaetova-Ladinska (Tyne and Wear, United Kingdom)

##### Secretary General:

Slavica Hristomanova, MD (Skopje, Macedonia)

##### Technical Secretary:

Natasha Sekovska (Skopje, Macedonia)

##### Manuscript Editor and Electronic Publishing:

Ivo Spiroski (Skopje, Macedonia)

##### Evidence Based Medicine:

Katarina Stavrikj, MD (Skopje, Macedonia)

##### Medical PhD:

Meri Kirijas, MD (Skopje, Macedonia)

##### Medical MSc:

Aleksandar Senev, MD (Skopje, Macedonia)

#### Editorial Board:

Sonja Alabakovska, MD, PhD (Skopje, Macedonia)  
Doncho M. Donev, MD, PhD (Skopje, Macedonia)  
Iva Ivanovska PhD (Boston, USA)  
Mira Jankulovska, MD, PhD (Skopje, Macedonia)  
Jovan Jovanovski, PhD (Skopje, Macedonia)  
Korneti-Pekevaska K, MD, PhD (Skopje, Macedonia)  
Petar Miloshevski, MD, PhD (Skopje, Macedonia)  
Elida Mitevaska, MD, PhD (Skopje, Macedonia)  
Vesna Nikolova-Krstevski, PhD (Boston, USA)  
Nikola Panovski, MD, PhD (Skopje, Macedonia)  
Iva Petkovska, MD (Boston, USA)  
Gordana Petrushevaska, MD, PhD (Skopje, Macedonia)  
Gorazd Rosoklija, MD, PhD (New York, USA)  
Aleksandar Sikole, MD, PhD (Skopje, Macedonia)  
Mirko Trajkovski, PhD (Zürich, Switzerland)  
Igor Tulevski, MD, PhD (Amsterdam, Netherlands)  
Zoran Zdravkovski, PhD (Skopje, Macedonia)

#### Advisory Board:

Nikola Angelov, DOS, MS, PhD (Loma Linda, USA)  
Pei-Yi Chu, MD (Changhua, Taiwan, R.O.C.)  
Aleksandar Dimovski, MD, PhD (Skopje, Macedonia)  
Ivo Donkov, MD, PhD (London, United Kingdom)  
Andrew Dwork, MD, PhD (New York, USA)  
Dimitar Efremov, MD, PhD (Rome, Italy)  
Adriana Galan (Bucharest, Romania)  
Jerzy Jablecki, MD, PhD (Trzebnica, Poland)  
Mehrdad Jalalian, MD, PhD (Mashhad, Iran)  
Radka Kaneva, PhD (Sofia, Bulgaria)  
Branko Malenica, MD, PhD (Zagreb, Croatia)  
Marija Mostarica-Stojkovic, MD, PhD (Belgrade, Serbia)  
Gianfranco Sinagra, MD, FESC (Trieste, Italy)  
Rumen Stefanov, MD, PhD (Plovdiv, Bulgaria)  
Milenko Tanasijevic, MD, MBA (Boston, USA)  
Marina Titlic, MD, PhD (Split, Croatia)  
Kiril Trpkov MD, FRCPC (Calgary, Canada)

#### Editorial Office:

Institute of Immunobiology and Human Genetics,  
Faculty of Medicine, Ss Cyril and Methodius University of Skopje,  
50 Divizija No 6, PO Box 60, 1109 Skopje, Republic of Macedonia.  
Telephone: +389 2 3110556  
Telefax: +389 2 3110558  
e-mail: [mjms@ukim.edu.mk](mailto:mjms@ukim.edu.mk)  
URL: <http://www.mjms.ukim.edu.mk>

#### Front cover:

With almost no debate, 62 legislators from the ruling conservative VMRO DPMNE party-led majority in the 123-seat Macedonian parliament voted to support adopted controversial Abortion Law on Monday, June 10, 2013.

#### Publisher:

Publisher: ID Design 2012/DOOEL Skopje on behalf of Institute of Immunobiology and Human Genetics, Faculty of Medicine, Ss Cyril and Methodius University of Skopje, Skopje, Republic of Macedonia.



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics.



All site content, except where otherwise noted, is licensed under a Creative Commons Attribution License.

## CONTENTS, Vol. 6, No 3, 2013

Macedonian Journal of Medical Sciences

*Institute of Immunobiology and Human Genetics, Faculty of Medicine, Ss Cyril and Methodius University of Skopje, Skopje, Republic of Macedonia*

### Basic Science

Trojacanec J, Zafirov D, Jakjovski K, Gjorgjievski K, Trojacanec P, Labacevski N. **Effects of Dual RAAS Blockade with Candesartan and Perindopril on Functional Renal Tests in Streptozotocin Induced Diabetic Nephropathy.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 219*

Yadlovskiy O, Bukhtiarova T, Demchenko A. **Experimental Study of the New Non-Opioid Analgesic Pyrodazol and Ketorolac in the Rats.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 227*

Sarry El Din A, Hassan N, El-Masry S, Al-Tohamy M. **Neck Circumference as a Simple Screening Measure for Identifying Egyptian Overweight and Obese Adults.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 232*

### Clinical Science

Kopacheva-Barsova G, Nikolovski N, Netkovski J, Shirgoska B, Avramovski A. **Risks and Complications in Aesthetic and Functional Septorhinoplasty.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 238*

Iric-Cupic V, Milanov S, Davidovic G, Zdravkovic V, Vuckovic-Filipovic J, Vucic R, Simic I. **Can Statins Help „Good Cholesterol“ to Become Even Better.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 244*

Alfeeli AK, Alghunaim SM, Baqer AB, Shehab DK, Ahmed MM. **Postural Stability and Balance Training Program in Hemiparetic Stroke Patients.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 251*

Akanmu ON, Soyannwo OA, Sotunmbi PT, Lawani-Osunde AS, Desalu I, Adekola OO, Oridota SE. **Analgesic Effects of Intrathecally Administered Fentanyl in Spinal Anaesthesia for Lower Limb Surgery.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 255*

Gavrilovska-Brzanov A, Nikolova Z, Jankulovski N, Sosolceva M, Taleska G, Mojsova-Mijovska M, Marija Jovanovski-Srceva M, Angusev D, Sazdov D, Brzanov N. **Evaluation of the Effects of Elevated Intra-abdominal Pressure on the Respiratory Mechanics in Mechanically Ventilated Patients.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 261*

Davidovic G, Iric-Cupic V, Milanov S, Simic I, Zivic Z, Janicijevic-Petrovic M. **„Obesity Paradox“ – Fiction or a Fact?**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 266*

Zaki ME, Ezzat W, Elhosary YA, Saleh OM. **Factors Associated With Nonalcoholic Fatty Liver Disease in Obese Adolescents.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 273*

### Case Report

Louai OB, Igala M. **Congenital Factor V Deficiency: Moroccan Cases.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 278*

Bejqi R, Retkoceri R, Bejqi H, Zeka N, Maloku A, Berisha M. **Double Chamber Left Ventricle Associated With Severe Form of the Hypertrophic Cardiomyopathy and High Left Intracavitary Pressure.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 281*

**Review**

- Kirijas M, Spiroski M. **MICA Polymorphism, Association with Diseases and the Role of Anti-MICA Antibodies in Organ and Stem Cell Transplantation.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 285*

**Medical History**

- Nojkov J. **The Oldest Anaesthesiologist on the Balkan Peninsula, Dr. Risto Ivanovski, Died.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 296*

**Medical Publication**

- Macedonian Journal of Medical Sciences.  
**Macedonian International Medical Publications Indexed in PubMed in 2012.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 299*

**Author Index**

- Author Index, Vol. 6, No 2, 2013.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 328*

**Instructions for Authors**

- Instructions for Authors, Vol. 6, No 3, 2013.**  
*Maced J Med Sci. 2013 Sep 15; 6(3):..... 329*