

I. HORBACHEVSKY TERNOPIL STATE MEDICAL UNIVERSITY

**INTERNATIONAL JOURNAL
OF MEDICINE
AND MEDICAL
RESEARCH**



SCIENTIFIC JOURNAL

2018, VOLUME 4, ISSUE 1

INTERNATIONAL JOURNAL OF MEDICINE AND MEDICAL RESEARCH

Editor-in-Chief

Jan Zejda, Poland

Senior Editor

Tomas Zima, Czech Republic

Managing Editor

Mykhaylo Korda, Ukraine

Secretary

Oksana Shevchuk, Ukraine

Editorial Board

Liubomyr Aftanas, Russia

Mykhaylo Andreychyn, Ukraine

Nely Antelava, Georgia

Wojcieh Barg, Poland

Jozef Bergier, Poland

Zaza Bokhua, Georgia

Valentyn Chernyh, Ukraine

Ramazi Datashvili, USA

Alessandro Desideri, Italy

Hussein El-Subbagh, Egypt

Halyna Falfushynska, Ukraine

Liudmyla Fira, Ukraine

George Fodor, Canada

Petro Fomin, Ukraine

Taras Hroshovyi, Ukraine

Michal Jelen, Poland

Michael Kalinski, USA

Ivan Klishch, Ukraine

Sergiy Komisarenko, Ukraine

Jan Wojciech Konturek, Germany

Andrey Korchevskiy, USA

Oleg Krishtal, Ukraine

Jacek Kubiak, France

Joshua Lawson, Canada

Roman Lesyk, Ukraine

Richard Lewanczuk, Canada

Volodymyr Lushchak, Ukraine

Svitlana Marchyshyn, Ukraine

Ivan Mazur, Ukraine

Donna McLean, Canada

Romain Meeusen, Belgium

Volodymyr Nikolaev, Ukraine

Oleksandra Oleshchuk, Ukraine

Raj Padwal, Canada

Andrzej Pajak, Poland

Simon Rabkin, Canada

Mariusz Ratajczak, USA

Giancarlo Pruneri, Italy

Wolfgang Schutz, Austria

Aleksander Sieron, Poland

Jan Stencl, Slovakia

Stanislav Stipek, Czech Republic

Rostyslav Stoika, Ukraine

Oksana Suchowersky, Canada

Harald Teufelsbauer, Austria

Wayne Tymchak, Canada

Timo Ulrichs, Germany

Zurab Vadachkoria, Georgia

Janindra Warusavitarnе, United Kingdom

Marek Zietek, Poland

Founder:

I. Horbachevsky Ternopil State Medical University

Published 2 times per year

Founded in 2015

State Registration Certificate:

series KB No 21589-11489P

from September 8, 2015

All articles are peer-reviewed

Approved by the Academic Board of I. Horbachevsky Ternopil State Medical University, Protocol No 6 from May 29, 2018

Technical Editor – *Olha Kolodnytska*

Copy Editor – *Anastasiya Bogutska*

Computer Layout – *Natalia Nyzhegorodova*

Designer – *Pavlo Kushyk*

Editorial Office:

International Journal of Medicine and Medical Research

Ukrmedknyha Publishing House

I. Horbachevsky Ternopil State Medical University

1 Maidan Voli

Ternopil

Ukraine

46001

Tel.: +380352434956

+380352528009

+380352254784

ojs.tdmu.edu.ua

E-mail: ijmmr@tdmu.edu.ua

Printed on May 31, 2018. Size 60×84/8.

Offset printing. Noto Sans.

Printed in 100 copies. Order No 225.