Volume 13
Supplement 1
November 2019

Official Journal of the Iranian Society of Nephrology



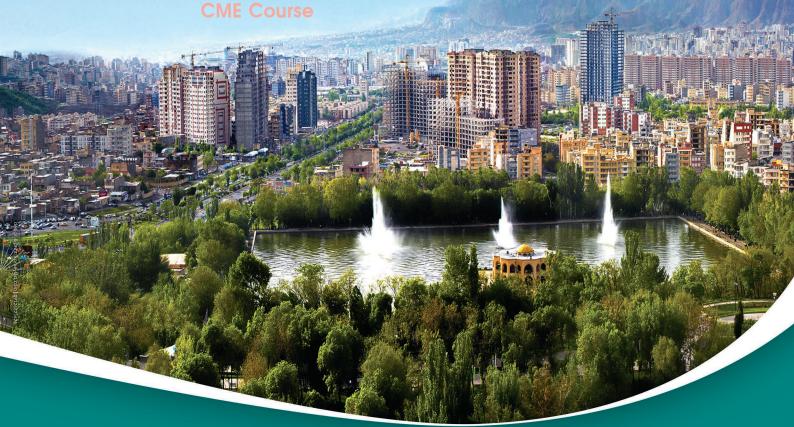
17th

International Congress of Nephrology, Dialysis and Transplantation

Organized by Iranian Society of Nephrology

TABRIZ 2019

Abstracts



Tabriz, Iran 19-22 November 2019















Chairman:

Mohammad-Reza Ganii. MD

Editor-in-Chief:

Mohsen Nafar, MD

Associate Editor:

Mitra Mahdavi-Mazdeh, MD

Editorial Manager:

Behrang Alipour, MD

Editorial Board:

Ezzatollah Abdi, MD (Iran)

Hassan Argani, MD (Iran)

Bahar Bastani, MD (USA)

Behrooz Broumand, MD (Iran)

Behzad Einollahi, MD (Iran)

Ahad Ghods, MD (Iran)

Kamyar Kalantarzadeh, MD (USA)

Parviz Khajedehi, MD (Iran)

Mohammadreza Khatami, MD (Iran)

Masud Khosravi, MD (Iran)

Joel Kopple, MD (USA)

Norbert Lameire, MD (Belgium)

Mahboob Lessan Pezeshki, MD (Iran)

Nathan Levin, MD (USA)

Francesco Locatelli, MD (Italy)

Mitra Mahdavi-Mazdeh, MD (Iran)

Khadijeh Makhdoomi, MD (Iran)

Massih Naghibi, MD (Iran)

Iraj Najafi, MD (Iran)

Ali Nobakht-Haghighi, MD (Iran)

Hassan Otoukesh, MD (Iran)

Khosrow Rahbar, MD (Iran)

Asghar Rastegar, MD (USA)

Eberhard Ritz, MD (Germany)

Jamshid Roozbeh-Shahroodi, MD (Iran)

Shokoufeh Savaj, MD (Iran)

Robert Schrier, MD (USA)

Heshmatollah Shahbazian, MD (Iran)

Shahrzad Shahidi, MD (Iran)

Mostafa Sharifian, MD (Iran)

AIMS AND SCOPE

The Iranian Journal of Kidney Diseases (IJKD), a peer-reviewed journal in English, is the official publication of the Iranian Society of Nephrology. The aim of the IJKD is the worldwide reflection of the knowledge produced by the scientists and clinicians in nephrology. Published every 2 months, the IJKD provides a new platform for advancement of the field. The journal's objective is to serve as a focal point for debates and interchange of knowledge and experience among researchers in a global context. Original papers, case reports, and invited reviews on all aspects of the kidney diseases, hypertension, dialysis, and transplantation will be covered by the IJKD. Research on the basic science, clinical practice, and socio-economics of renal health are all welcomed by the editors of the journal.

DISCLAIMER

The statements and opinions expressed in the *IJKD* reflect solely the views of the author(s) and contributor(s) and not of the opinion of the Iranian Society of Nephrology. The appearance of advertisements in the Journal does not reflect a warranty, endorsement, or approval of any of the products or services described. The Iranian Society of Nephrology disclaims responsibility for any injury to persons or property resulting from any ideas or products referred to in the articles or advertisements.

ISSN. 1735-8582 eISSN. 1735-8604

Editorial Office. Apt 12, No 63, Shaheed Tousi St, Dr Gharib St, Keshavarz Blvd,

Tehran 1419783311, Iran Tel: +98 21 6691 2653 Fax: +98 21 6691 2653 www.ijkd.org info@ijkd.org

Publisher. The Iranian Society of Nephrology

Page Setter. Mahdi Akbarzadeh, graphic_negareh@yahoo.com

Printer. Mashal Azadi Press, South Saadi, Esteghlal Cross, Tehran, Iran.

Tel: +98 21 33913904

Print Run. 1000

Copyright. The Iranian Society of Nephrology is the copyright owner of the material published in *IJKD*. In accordance with *Bethesda Statement on Open Access Publishing*, all works published in this journal are open access and available online immediately after print publication (see the *Instructions to Authors*).

Journal Subscription. The *IJKD* is published every 2 months. Subscription prices for 2019 are US\$ 100 annually and US\$ 20 for a single copy. Customers in Iran should pay 50 000 Rls for annual subscription and 10 000 Rls for a single copy. To subscribe, please fill the subscription form and send it to the editorial office. For more information you can contact the editorial office of the journal.

Manuscript Submission. Please prepare your manuscript according to the *Instructions to Authors* of the journal. You should send your manuscript via online submission system provided on www.ijkd.org.

Indexing/Abstracting. SCI Expanded, MEDLINE, EMBASE, Scopus, Cinahl, CAB International, Index Copernicus, Directory of Open Access Journals (DOAJ), Index Medicus for the WHO Eastern Mediterranean Region (IMEMR), Scientific Information Database (SID), and Google Scholar



17th International Congress of Nephrology, Dialysis, and Transplantation

Tabriz 2019

Organized by

Iranian Society of Nephrology

In Collaboration with

International Society of Nephrology (CME Course),

Mayo Clinic Foundation,

International Pediatric Nephrology Association (IPNA),
Iranian Society of Pediatric Nephrology

and

Tabriz University of Medical Sciences

| Preside | ent | |
|---------|--------|----|
| Mohsen | Nafar. | MD |

Secretary-General

Shahrzad Ossareh, MD

Chair of Scientific Committee

Shokoufeh Savaj, MD

Scientific Committee

Ezatollah Abdi, MD Sima Abediazar, MD Farokhlagha Ahmadi, MD Pedram Ahmadpoor, MD Roghayeh Akbari, MD

Ali Alidadi, MD

Manouchehr Amini, MD

Mohammadreza Ardalan, MD

Hassan Argani, MD Shahnaz Atabak, MD Nematollah Ataei, MD Jalal Azmandian, MD

Ataollah Behrouz-Aghdam, MD

Behrooz Broumand, MD Farahnaz Dadras, MD Noushin Dalili, MD Ali Derakhshan, MD Behzad Einollahi, MD

Shahrokh Ezzatzadegan-Jahromi, MD

Firouz Fassihi, MD

Mohammadreza Ganji, MD Ali Ghafari-Moghadam, MD

Alaleh Gheisari, MD Ahad Ghods, MD Farshid Haghverdi, MD

Monirosadat Hakemi, MD

Maryam Hami, MD Nakisa Hooman, MD Taher Isfahani, MD

Mohammadreza Khatami, MD Mahmoudreza Khazaei, MD

Masoud Khosravi, MD

Mahboob Lessan-Pezeshki, MD

Khadijeh Makhdoomi, MD Tahereh Malakoutian, MD Masoumeh Mohkam, MD

Ali Monfared, MD

Majid Mortazavi-Khosrowshahi, MD

Iraj Najafi, MD Mohsen Nafar, MD Masih Naghibi, MD Amir-Ahmad Nassiri, MD
Fatemeh Nazemian, MD
Ali Nobakht-Haghighi, MD
Nader Nouri-Majelan, MD
Farshid Oleiaei, MD
Shahrzad Ossareh, MD
Ayoub Pezeshgi, MD
Ghanbarali Raees-Jalali, MD
Khosro Rahbar, MD
Nahid Rahimzadeh, MD
Farin Rashid-Farrokhi, MD
Effat Razeghi, MD
Jamshid Roozbeh-Shahroodi, MD

Fereshteh Saddadi, MD

Simin Sadeghi-Bojd, MD

Afshin Safaei-Asl, MD

Fariba Samadian, MD

Shokoofeh Savaj, MD

Hamidreza Samimagham, MD

Shiva Samavat, MD

Tayebeh Soleymanian, MD Samira Tabiban, MD Hamid Tayebi-Khosroshahi, MD **International Guest Speakers** Jose Carolino Divino Filho, MD (Brazil) Denis Glotz, MD (France) Mehmet Haberal, MD (Turkey) David Harris, MD (Australia) Kianoush Kashani, MD (USA) Rumeyza Kazancioglu, MD (Turkey) Nelson Leung, MD (USA) Anotonello Pani, MD (Italy) Pierre Ronco, MD (France) Antoine Schneider, MD (Switzerland) Dana Ahmed Sharif, MD (Iraq)

Heshmatollah Shahbazian, MD

Shahrzad Shahidi, MD

Mostafa Sharifian, MD

Board of Directors of Iranian Society of Nephrology Mohsen Nafar, MD (*President*) Mohammadreza Ganji, MD (*Past*

Shahrzad Ossareh, MD (Secretary-General)

President)

Shokoufeh Savaj, MD (*Treasurer*) Shahnaz Atabak, MD Nakisa Hooman, MD Masoud Khosravi, MD Ayoub Pezeshgi, MD

Executive Committee
Behrang Alipour-Abedi, MD
Robabeh Ebrahimi
Alireza Mahmoud

Abstract Book Editors Behrang Alipour-Abedi, MD