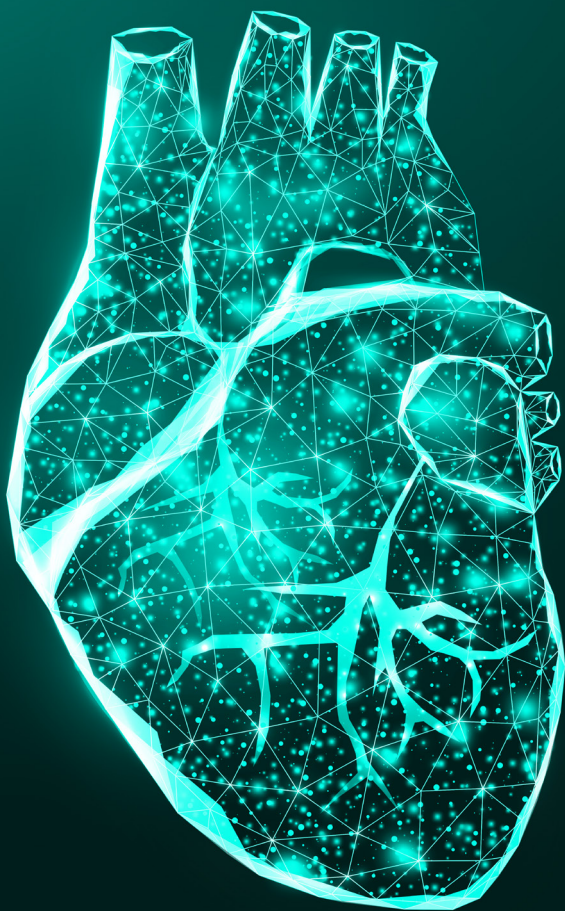




INTERNATIONAL JOURNAL OF THE CARDIOVASCULAR ACADEMY

OFFICIAL PUBLICATION OF THE CARDIOVASCULAR ACADEMY SOCIETY

VOLUME: 9 ISSUE: 1 MARCH 2023



EDITORIAL

- Earthquakes and Cardiovascular Diseases
Mehdi Zoghi

RESEARCH ARTICLES

- The Relationship of Body Mass Index with Insulin Resistance, hs-CRP, and Lp(a) Levels in Female Gender
Burcu Uludağ, Hatice Solmaz, Yusuf İzzettin Alihanoglu, İsmail Doğu Kılıç, Yaşar Enli
- The role of Speckle Tracking Echocardiography and Three-dimensional Echocardiography in the Assessment of Left Ventricular Systolic Function in Type II Patients with diabetes with Negative Myocardial Perfusion Imaging in Correlation to Multi-gated Acquisition Scan
Taghreed Ahmed, Mona Naiem, Taher Said, Mohamed Zahran
- Assessment of Carotid Intima-media Thickness in COVID-19 Survivors
Yasemin Doğan, Ayşe Turunç Özdemir

CASE REPORT

- A Rare Cause of Secondary Hypertension: Nutcracker Syndrome
Gülay Uzun, Muhammet Raşit Sayın

EDITORIAL BOARD

Owner, On behalf of the Cardiovascular Academy Society

Prof. Dr. Ömer Kozan

Department of Cardiology, Başkent University
İstanbul Hospital Medical Research Center,
İstanbul, Turkey

E-mail: omerkozan@baskent.edu.tr

ORCID: 0000-0002-7908-4029

Editors-in-chief

Prof. Dr. Oktay Ergene

Department of Cardiology, 9 Eylül University,
İzmir, Turkey

E-mail: oktay.ergene@deu.edu.tr

ORCID: 0000-0003-1775-4063

Prof. Dr. Mehdi Zoghi

Department of Cardiology, Ege University,
İzmir, Turkey

E-mail: mehdi.zoghi@ege.edu.tr

ORCID: 0000-0002-8156-2675

Associate Editor

Prof. Dr. Omac Tüfekcioğlu

Department of Cardiology, Ankara City Hospital,
Ankara, Turkey

E-mail: omactufekcioglu@yahoo.co.uk

Dr. Aleksandra Djokovic

Department of Cardiology, Division of
Interventional Cardiology, University Hospital
Center Bezanijska kosa, Belgrade, Serbia

E-mail: drsaska@yahoo.com

Dr. Arash Hashemi

Department of Cardiology, Rajaie Cardiovascular
Medical and Research Center, Iran University of
Medical Sciences, Tehran, Iran

E-mail: arash33h@yahoo.com

ORCID: 0000-0002-7498-1863

Dr. Sinem Çakal

Department of Cardiology, İstanbul Medipol
University Faculty of Medicine, İstanbul, Turkey

E-mail: sinemdnc@gmail.com

Advisory Board

Prof. Dr. Antonello Gavazzi

Medical Director of the Phase 1 Research
Unit, Coordinator of the Clinical Research,
FROM Research Foundation, Bergamo, Italy

E-mail: agavazzi@hpg23.it

ORCID: 0000-0002-6886-8514

Prof. Dr. Nataša Marković-Nikolić

University Hospital Centre Zvezdara, Clinical
Department for Cardiovascular Diseases,
Belgrade, Serbia

E-mail: nmarkovicnikolic@gmail.com

ORCID: 0000-0002-3471-0946

Dr. Raffaele Piccolo

University of Bern, Bern University Hospital,
Cardiology, Switzerland

E-mail: raffaele.piccolo@insel.ch

Prof. Dr. Nazmi Narin

Department of Pediatric Cardiology, İzmir
Katip Çelebi University, İzmir, Turkey

E-mail: nazmi.narin@gmail.com

ORCID: 0000-0003-2713-364X

Dr. Irina Kotlar

University Clinic of Cardiology, University
of Saints Cyril and Methodius, Skopje,
Macedonia

E-mail: irinakotlar87@yahoo.com

Assoc. Prof. Dr. Ümit Yaşar Sinan

İstanbul University Institute of Cardiology,
İstanbul, Turkey

E-mail: drumityasar@hotmail.com

ORCID: 0000-0002-4837-7099

Asst. Prof. Dr. Ayşe Çolak

Department of Cardiology, 9 Eylül University,
İzmir, Turkey

E-mail: ayse.colak@deu.edu.tr

Assoc. Prof. Dr. Mustafa Yenerçay

Department of Cardiology, Ordu University
School of Medicine, Ordu, Turkey

E-mail: mustafayenercay@hotmail.com

Dr. Ufuk İyigün

Department of Cardiology, Hatay State
Training and Research Hospital, Hatay,
Turkey

E-mail: druiyigun@hotmail.com

Assoc. Prof. Dr. Ahmet Öz

Department of Cardiology, İstanbul Teaching
and Research Hospital, İstanbul, Turkey

E-mail: drozahmet@gmail.com

Assoc. Prof. Dr. Lale Dinç Asarcıklı

Department of Cardiology, Dr. Siyami
Ersek Cardiovascular and Thoracic Surgery
Research and Training Hospital, İstanbul,
Turkey

E-mail: mdlaledinc@gmail.com

Prof. Dr. Öykü Gülmez

Department of Cardiology, Baskent
University Faculty of Medicine, İstanbul,
Turkey

E-mail: gulmezoyku@yahoo.com

Prof. Dr. Öner Özdoğan

Department of Cardiology, İzmir Tepecik
Training and Research Hospital, İzmir,
Turkey

E-mail: onerozdogan@yahoo.com

Assoc. Prof. Dr. Cemil İzgi

Cardiovascular Research Center &
Cardiovascular Magnetic Resonance Unit,
Royal Brompton Hospital, London, United
Kingdom

E-mail: cemil_izgi@yahoo.com

Assoc. Prof. Dr. Rajesh Kumar

Department of Cardiology, National Institute
of Cardiovascular Diseases, Karachi, Sindh,
Pakistan

E-mail: rajeshnarsoolal@gmail.com

Assoc. Prof. Dr. Ceyla Konca Değertekin

Department of Endocrinology, Ufuk
University, Ankara, Turkey

E-mail: ceylakonca@yahoo.com

Assoc. Prof. Dr. Nihan Turhan

Department of Cardiology, Bakirkoy Dr.
Sadi Konuk Training & Research Hospital,
İstanbul, Turkey

E-mail: nhnturhan@gmail.com

ORCID: 0000-0001-7925-2398

Assoc. Prof. Dr. Özgür Kırbaş

Department of Cardiology, Private Office,
Ankara, Turkey

E-mail: ozgurkibas@yahoo.com

ORCID: 0000-0003-1292-2996

Assoc. Prof. Dr. Volkan Emren

Department of Cardiology, Katip Çelebi
University School of Medicine, İzmir, Turkey

E-mail: vemren@hotmail.com

ORCID: 0000-0002-7652-1123

INTERNATIONAL JOURNAL OF THE CARDIOVASCULAR ACADEMY

OFFICIAL PUBLICATION OF THE CARDIOVASCULAR ACADEMY SOCIETY

Assoc. Prof. Dr. Beytullah Çakal

Department of Cardiology, Istanbul Medipol
University Faculty of Medicine, Istanbul, Turkey
E-mail: bcakal@hotmail.com

Dr. Madhusudanarao Vuda

University of Minnesota, Cardiovascular division,
Minneapolis, USA
E-mail: mrvuda@umn.edu

Assoc. Prof. Dr. Claudio Molinari

Università del Piemonte Orientale, Department of
Translational Medicine, Novara, Italy
E-mail: claudio.molinari@med.uniupo.it

Prof. Dr. Babak Sharif, Kasahi

Shahid Beheshti University of Medical Sciences,
Cardiology, Tehran, Iran
E-mail: babaksharifkashani@yahoo.com

Prof. Dr. Ömer Kozan

Department of Cardiology, Başkent University
Istanbul Hospital Medical Research Center,
Istanbul, Turkey
E-mail: omerkozan@baskent.edu.tr
ORCID: 0000-0002-7908-4029

Dr. Pradeep Kumar

University of the Witwatersrand, Pharmacy and
Pharmacology, Johannesburg, Gauteng, South
Africa
E-mail: pradeep.kumar@wits.ac.za

Assoc. Prof. Dr. Çağlar Özmen

Department of Cardiology, Çukurova University
Faculty of Medicine, Adana, Turkey
E-mail: caglarozm@hotmail.com

Dr. Güliz Kozdağ

Department of Cardiology, Montefiore Medical
Center Medicine Albert Einstein College, New
York, USA
E-mail: gkozdag@gmail.com

Assist. Prof. Hatice Kemal

Department of Cardiology, Near East University
Hospital, Nicosia, Cyprus
E-mail: kemal.hatice@hotmail.com

Prof. Dr. Özlem Arıcan Özlük

Department of Cardiology, Mudanya Univesity,
Bursa, Turkey
E-mail: oarican@yahoo.com
ORCID: 0000-0002-1371-3750

Prof. Dr. Bambang Budi Siswanto

University of Indonesia, Cardiology, Jakarta,
Indonesia
E-mail: bambbs@gmail.com

Dr. Gerald Chi

Beth Israel Deaconess Medical Center,
Harvard Medical School, Cardiology, Boston,
Massachusetts, USA
E-mail: geraldchi@gmail.com

Dr. Fady Gerges

Department of Cardiology, NMC Specialty Hospital
Abu Dhabi, United Arab Emirates
E-mail: dr_fadyaziz@hotmail.com

Dr. Emanuele Bobbio

Sahlgrenska University Hospital, Department of
Transplantation, Gothenburg, Sweden
E-mail: Emanuele.bobbio@vgregion.se
ORCID: 0000-0002-8287-2448

Dr. Jyoti Bala

Florida international University, Immunology,
Miami, Florida, USA
E-mail: jbjnu786@gmail.com

Prof. Dr. Massimo Santini

San Filippo Neri Hospital, Cardiology, Rome, Italy
E-mail: m.santini@rmnet.it

Assoc. Prof. Dr. Hasan Güngör

Adnan Menderes University, Cardiology, Aydın,
Turkey
E-mail: drgungorhasan@yahoo.com
ORCID: 0000-0002-4462-3029

Assoc. Prof. Dr. Onur Taşar

Department of Cardiology, Elazığ Research and
Training Hospital, Elazığ, Turkey
E-mail: onurtasarr@gmail.com

Assoc. Prof. Dr. Gulnaz Dadashova

Cardiology Department, Azerbaijan Medical
University, Baku, Azerbaijan
E-mail: gulnazdadashova@mail.ru

Dr. Chin Siang Ong

Johns Hopkins School of Medicine, Cardiothoracic
Surgery, Baltimore, Maryland, USA
E-mail: cong4@jhmi.edu

Dr. Raffaele Piccolo

University of Bern, Bern University Hospital,
Cardiology Switzerland
E-mail: raffaele.piccolo@insel.ch

Prof. Dr. Turgut Karabağ

Department of Cardiology, Istanbul Education and
Research Hospital, Istanbul, Turkey
E-mail: turgutkarabag@hotmail.com

Assoc. Prof. Dr. Umut Kocabaş

Department of Cardiology, Baskent University
Zubeyde Hanım, Practice and Research Cente,
Izmir, Turkey
E-mail: umutkocabas@hotmail.com

Prof. Dr. Rezzan Deniz Acar

Department of Cardiology, Kartal Koşuyolu High
Specialization Training and Research Hospital,
Istanbul, Turkey
E-mail: denizacar_1999@yahoo.com

Prof. Dr. M. Raşit Sayın

Department of Cardiology, University of Health
Sciences Trabzon Ahi Evren Thoracic and
Cardiovascular Surgery Training and Research
Hospital, Trabzon, Turkey
E-mail: sayinmr@mynet.com

Dr. Sara Moscatelli

Department of Cardiology and Pediatric
Cardiology, University of Genoa, Genova, Italy
E-mail: sara.moscatelli90@gmail.com

Dr. Mohammad Mostafa

Ansari Ramandi Rajaie Cardiovascular Medical
and Research Center, Iran University of Medical
Sciences, Tehran, Iran
E-mail: dr.mm.ansari@gmail.com

Assoc. Prof. Dr. Berkay Ekici

Department of Cardiology, Ufuk University School
of Medicine, Ankara, Turkey
E-mail: berkay.ekici@gmail.com
ORCID: 0000-0001-6135-2972

Assist. Prof. Dr. Yiğit Yılcancıoğlu

Department of Cardiology, 9 Eylül University,
Izmir, Turkey
E-mail: yigityilancioglu@hotmail.com

Assist. Prof. Dr. Burak Ayça

Department of Cardiology, Istanbul Teaching and
Research Hospital, Istanbul, Turkey
E-mail: drburakayca@yahoo.com.tr

Prof. Dr. Mesut Demir

Department of Cardiology, Çukurova University
Faculty of Medicine, Adana, Turkey
E-mail: mdemir46@hotmail.com

Prof. Dr. Nasim Naderi

Rajaie Cardiovascular Medical and Research
Center, Iran, Turkey
E-mail: naderi.nasim@gmail.com

Prof. Dr. Hakan Altay

Department of Cardiology, Faculty of Medicine,
Baskent University, Istanbul, Turkey
E-mail: sakaltay@yahoo.com

Assoc. Prof. Dr. Mustafa Doğduş

Department of Cardiology, Medical Park İzmir
Hospital, İzmir, Turkey
E-mail: mdogdus@hotmail.com

Assoc. Prof. Dr. Tuncay Güzel

Department of Cardiology, Diyarbakir Gazi
Yaşargil Training and Research Hospital,
Diyarbakir, Turkey
E-mail: drtuncayguzel@gmail.com

Prof. Dr. Uğur Arslan

Department of Cardiology, University of Health
Sciences Samsun Training and Research Hospital,
Samsun, Turkey
E-mail: ugurarslan5@yahoo.com

INTERNATIONAL JOURNAL OF THE CARDIOVASCULAR ACADEMY

OFFICIAL PUBLICATION OF THE CARDIOVASCULAR ACADEMY SOCIETY

Dr. Pratik Kalsaria

University of Texas Southwestern Medical Center,
Dallas, Texas, USA

E-mail: pratikkalsaria@gmail.com

Assoc. Prof. Dr. Salih Kılıç

Department of Cardiology, Adana City Education
and Research Hospital, Adana, Turkey

E-mail: kilicsalihhh@gmail.com

Assoc. Prof. Dr. Güliz Erdem

Department of Cardiology, Acibadem Maslak
Hospital, Istanbul, Turkey

E-mail: gulizerdem@gmail.com

Asst. Prof. Dr. Olcay Aksoy

Division of Cardiology, Department of Medicine,
David Geffen School of Medicine, University of
California, Los Angeles, USA

E-mail: OAksoy@mednet.ucla.edu

Statistics Consultant**Assoc. Prof. Dr. Özlem Kaymaz**

Department of Biostatistics, Ankara Universit,
Ankara, Turkey

E-mail: ozlem.gullu@gmail.com

ORCID: 0000-0003-1235-8117

Dr. Çağla Sarıtürk

Department of Biostatistics, Başkent University
Adana Application and Research Center, Ankara,
Turkey

E-mail: caglasaritürk@gmail.com

ORCID: 0000-0002-4130-1059

Language Editor**Assoc. Prof. Dr. Nihan Turhan**

Department of Cardiology, Bakirkoy Dr. Sadi
Konuk Training & Research Hospital, Istanbul,
Turkey

E-mail: nhnturhan@gmail.com

ORCID: 0000-0001-7925-2398

Please refer to the journal's webpage (<https://ijcva.org/>) for "Editorial Policy", "Instructions to Authors" and "Instructions to Reviewers".

The editorial and publication processes of the International Journal of the Cardiovascular Academy are shaped in accordance with the guidelines of ICMJE, WAME, CSE, COPE, EASE, and NISO. The journal conforms with the Principles of Transparency and Best Practice in Scholarly Publishing.

The International Journal of the Cardiovascular Academy is indexed in DOAJ, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Hinari, and ProQuest, WanFang Data.

Owner: Ömer Kozan On Behalf of the Cardiovascular Academy Society

Responsible Manager: Oktay Ergene

CONTENTS

EDITORIAL

- 1** Earthquakes and Cardiovascular Diseases
Mehdi Zoghi

RESEARCH ARTICLES

- 3** The Relationship of Body Mass Index with Insulin Resistance, hs-CRP, and Lp(a) Levels in Female Gender
Burcu Uludağ, Hatice Solmaz, Yusuf İzzettin Alihanoglu, İsmail Doğu Kılıç, Yaşar Enli
- 9** The role of Speckle Tracking Echocardiography and Three-dimensional Echocardiography in the Assessment of Left Ventricular Systolic Function in Type II Patients with diabetes with Negative Myocardial Perfusion Imaging in Correlation to Multi-gated Acquisition Scan
Taghreed Ahmed, Mona Naiem, Taher Said, Mohamed Zahran
- 16** Assessment of Carotid Intima-media Thickness in COVID-19 Survivors
Yasemin Doğan, Ayşe Turunç Özdemir

CASE REPORT

- 20** A Rare Cause of Secondary Hypertension: Nutcracker Syndrome
Gülay Uzun, Muhammet Raşit Sayın