

The Anatolian Journal of Cardiology

Anatol J Cardiol • Volume 24 • Issue 2 • August 2020

Editor-in-Chief

Çetin Erol

Editors

Cem Barçın

Asife Şahinarslan

Advisory Board of This Issue

Alper Akın
 Abdallah Al-Mohammad
 Dimitrios Alexopoulos
 Dursun Aras
 Saide Aytekin
 İbrahim Başarıcı
 Nihal Akar Bayram
 Engin Bozkurt
 Başar Candemir
 Çağlar Emre Çağlıyan
 Bahadır Dağdeviren
 Burcu Demirkan
 Günseli Çubukçuoğlu Deniz
 Hüseyin Ede
 Berkay Ekici
 Arif Elvan
 Oktay Ergene
 Mustafa Kemal Erol
 Ömer Göktekin
 Andreas Götte
 Okan Gülel
 Elif Erolu Günay
 Tolga Sinan Güvenç
 Erdoğan İlkay
 Cemşit Karakurt
 Cansin Tulunay Kaya
 Meral Kayıkçıoğlu
 Saadetin Kılıçkap
 Merih Kutlu
 Nuriye Özlem Küçük
 Osman Küçükosmanoğlu
 Ersel Onrat
 Tuğba Kemaloğlu Öz
 Özcan Özeke
 Seçkin Pehlivanoğlu
 Bahar Pirat
 Tamer Sayın
 Hatice Selçuk
 İrfan Şahin
 Mehmet Ali Nahit Şendur
 Abdullah Tunçöz
 Burak Turan
 Okan Turgut
 Serkan Ünlü
 Çağrı Yayla
 Hikmet Yorgun
 Serkan Yüksel

Reviews

Myocarditis associated with immune checkpoint inhibitors: Practical considerations in diagnosis and management

Muhammet Gürdoğan and Kenan Yalta; Edirne-Turkey

Pathophysiological background and clinical practice of lung ultrasound in COVID-19 patients: A short review

István Adorján Szabó et al.; Targu-Mures-Romania

Scientific Letter

Trends in acute myocardial infarction admissions during the COVID-19 pandemic in Ankara, Turkey

Harun Kundi et al.; Ankara-Turkey

Original Investigations

Does myocardial viability detection improve using a novel combined ^{99m}Tc sestamibi infusion and low dose dobutamine infusion in high risk ischemic cardiomyopathy patients?

Padma Subramanyam and Shanmuga Sundaram Palaniswamy; Cochin-India

Systemic right ventricle in elderly patients with congenitally corrected transposition of the great arteries: Clinical profile, cardiac biomarkers, and echocardiographic parameters

Ewa Kowalik et al.; Warsaw-Poland

Usefulness of Kawasaki disease risk scoring systems to the Turkish population

Kazım Öztarhan et al.; Istanbul-Turkey

Does the level of myocardial injury differ in primary angioplasty patients loaded first with clopidogrel and the ones with ticagrelor?

Nil Özyüncü et al.; Ankara-Turkey

Case Reports

Late embolization of an atrial septal defect closure device into the main pulmonary artery

Berat Engin et al.; Antalya-Turkey

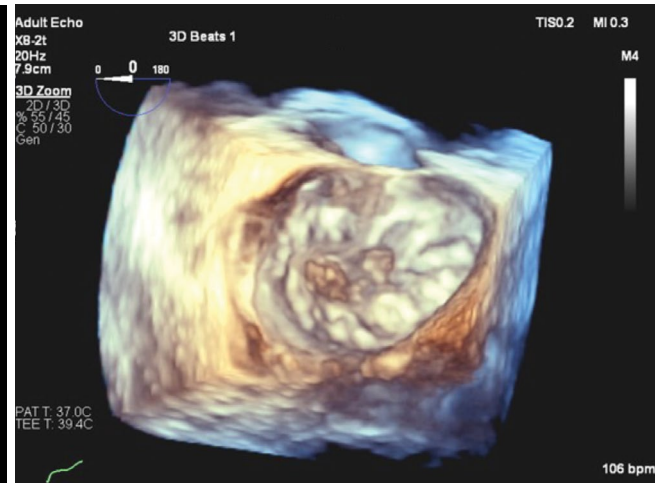
Fatal anaphylactic reaction due to ferric carboxymaltose: A case report

Aylin Mualla Arıcı et al.; Izmir-Turkey

Misinterpretation of dual atrioventricular nodal non-reentrant tachycardia as ventricular tachycardia and implantation of implantable cardioverter-defibrillator followed by inappropriate shocks

Yusuf Türkmen; Stockholm-Sweden

Page: E-5



Editor-in-ChiefProf. Dr. Çetin Erol, *Ankara, Turkey***Editors**Cem Barçın, *Ankara, Turkey*Asife Şahinarslan, *Ankara, Turkey***Associate Editors**Adnan Abacı, *Ankara, Turkey*Rüçhan Akar, *Ankara, Turkey*Bülent Behlül Altunkeser, *Konya, Turkey*Serdal Arslan, *Sivas, Turkey*Ahmet Kaya Bilge, *İstanbul, Turkey*Hakim Çelik, *Şanlıurfa, Turkey*Recep Demirbağ, *Şanlıurfa, Turkey*Ş. Remzi Erdem, *Ankara, Turkey*İlkay Erdoğan, *Ankara, Turkey*Sadi Güleç, *Ankara, Turkey*Ali Gürbüz, *İzmir, Turkey*Alper Kepez, *İstanbul, Turkey*Serdar Kula, *Ankara, Turkey*Selma Metintaş, *Eskişehir, Turkey*Kurtuluş Özdemir, *Konya, Turkey*Murat Özeren, *Mersin, Turkey*Leyla Elif Sade, *Ankara, Turkey*Ahmet Temizhan, *Ankara, Turkey*Ercan Tutar, *Ankara, Turkey*Omaç Tüfekçioğlu, *Ankara, Turkey*F. Ajlan Tükün, *Ankara, Turkey*Taner Ulus, *Eskişehir, Turkey*Aylin Yıldırım, *Ankara, Turkey*Mehmet Birhan Yılmaz, *İzmir, Turkey***Senior Consultant in Biostatistics**Kazım Özdamar, *Eskişehir, Turkey***Consultant in Biostatistics**Fezan Mutlu, *Eskişehir, Turkey***Previous Editor-in-Chief**Bilgin Timuralp, *Eskişehir, Turkey***Editorial Board**Ramazan Akdemir, *Sakarya, Turkey*Levent Akyürek, *Göteborg, Sweden*Azin Alizadehasl, *Tehran, Iran*Necmi Ata, *Eskişehir, Turkey*Saide Aytekin, *İstanbul, Turkey*Vedat Aytekin, *İstanbul, Turkey*Ljuba Bacharova, *Bratislava, Slovak Republic*Luigi P. Badano, *Udine, Italy*Anzel Bahadır, *Düzce, Turkey*Adrian Baranchuk, *Kingston, Ontario, Canada*Murat Biteker, *Muğla, Turkey*Eugene Braunwald, *Boston, MA, USA*Cahid Civelek, *St. Louis, MO, USA*Ali Emin Denктаş, *Houston, TX, USA*Polychronis Dilaveris, *Athens, Greece*Firat Duru, *Zurich, Switzerland*Ertuğrul Ercan, *İzmir, Turkey*Okan Erdoğan, *İstanbul, Turkey*Özcan Erel, *Ankara, Turkey*Ali Gholamrezanezhad, *Tehran, Iran*Michael Gibson, *Boston, MA, USA*Orhan Gökalp, *İzmir, Turkey*Bülent Görenek, *Eskişehir, Turkey*Okan Gülel, *Samsun, Turkey*Sema Güneri, *İzmir, Turkey*Yekta Gürlertop, *Edirne, Turkey*Murat Güvener, *Ankara, Turkey*Cemil İzgi, *London, UK*Diwakar Jain, *Philadelphia, USA*Erdem Kaşıkçioğlu, *İstanbul, Turkey*Cihangir Kaymaz, *İstanbul, Turkey*Mustafa Kılıç, *Denizli, Turkey*Mustafa Kılıçkap, *Ankara, Turkey*Serdar Küçüköğlü, *İstanbul, Turkey*Thomas F. Lüscher, *Zurich, Switzerland/London, UK*Peter Macfarlane, *Renfrewshire, Scotland*Robert W. Mahley, *San Francisco, CA, USA*Giuseppe Mancina, *Milan, Italy*G.B. John Mancini, *Vancouver BC, Canada*Anthony De Maria, *San Diego, CA, USA*Pascal Meier, *London, UK*Franz H. Messerli, *New York, USA*Sanem Nalbantgil, *İzmir, Turkey*Navin C. Nanda, *Birmingham, AL, USA*Yılmaz Nişancı, *İstanbul, Turkey*Hakan Oral, *Ann Arbor, MI, USA*Necle Özer, *Ankara, Turkey*Zeki Öngen, *İstanbul, Turkey*Mehmet Özkan, *İstanbul, Turkey*Sotirios N. Prapas, *Athens, Greece*Fausto J. Pinto, *Lisbon, Portugal*Vedat Sansoy, *İstanbul, Turkey*Raşit Sayın, *Trabzon, Turkey*Mark V. Sherrid, *New York, USA*Horst Sievert, *Frankfurt, Germany*İlke Sipahi, *İstanbul, Turkey*Richard Sutton, *Monaco, Monaco*Ahmet Şaşmazel, *İstanbul, Turkey*S. Lale Tokgözoğlu, *Ankara, Turkey*Murat Tuzcu, *Cleveland, OH, USA*Dilek Ural, *İstanbul, Turkey*Ahmet Ünalır, *Eskişehir, Turkey*Selma Arzu Vardar, *Edirne, Turkey*Mehmet Yokuşoğlu, *Ankara, Turkey*Jose L. Zamorano, *Madrid, Spain*Wojciech Zareba, *New York, USA*Yuqing Zhang, *Beijing, China***TURKISH
SOCIETY OF
CARDIOLOGY****The Owner on behalf of
the Turkish Society of Cardiology****Türk Kardiyoloji Derneği adına
İmtiyaz Sahibi**

Mustafa Kemal EROL

Address : Nish İstanbul A Blok Kat: 8, No: 47-48

Çobançesme Sanayi Cad. No: 11

Yeni Bosna, Bahçelievler 34196

İstanbul, Türkiye

Phone : +90 212 221 1730-38

Fax : +90 212 221 1754

E-mail : tkd@tkd.org.tr

Web : www.tkd.org.tr

Editor-in-Chief Office

Phone : +90 (535) 461 41 62

Fax : +90 (212) 221 17 54

E-mail : info@anatoljcardiol.com

Assistants to the Editor-in-Chief

Ebru BOZ

Elif SÖNMEZ



Publisher: Kare Yayıncılık (Kare Publishing)

Concord İstanbul Dumlupınar Mah. Yumurtacı Abdi Bey

Cad. Cihan Sok. No: 15, B Blok Da: 162 Kat: 21, Kadıköy,

İstanbul, TURKEY

Phone: +90 216 550 61 11

Fax: +90 216 550 61 12

http://www.kareyayincilik.com

E-mail: kareyayincilik@gmail.com

Yayın Türü: Uluslararası Süreli, Basım Tarihi: Ağustos 2020

Basım: Filmevi Grafik Renk Ayırım Sistemleri San.

Tic. LTD. ŞTİ. İstanbul-Türkiye

CONTENTS**EDITORIAL**

- ▶ European Heart Journal, Thomas F. Lüscher, and new manuscripts 67
Çetin Erol; Ankara-Turkey

REVIEWS

- ▶ Myocarditis associated with immune checkpoint inhibitors: Practical considerations in diagnosis and management 68
Muhammet Gürdoğan, Kenan Yalta; Edirne-Turkey
- ▶ Pathophysiological background and clinical practice of lung ultrasound in COVID-19 patients: A short review 76
István Adorján Szabó, Gergely Ágoston, Albert Varga, Ovidiu S. Cotoi, Attila Frigy; Tirgu-Mures-Romania, Szeged-Hungary

SCIENTIFIC LETTER

- ▶ Trends in acute myocardial infarction admissions during the COVID-19 pandemic in Ankara, Turkey 81
Harun Kundi, Mustafa Mücahit Balcı, Bülent Güngörer, Metin Yeşiltepe, Nazım Coşkun, Aziz Ahmet Sürel; Ankara-Turkey

ORIGINAL INVESTIGATIONS

- ▶ Does myocardial viability detection improve using a novel combined ^{99m}Tc sestamibi infusion and low dose dobutamine infusion in high risk ischemic cardiomyopathy patients? 83
Padma Subramanyam, Shanmuga Sundaram Palaniswamy; Cochin-India
- ▶ Systemic right ventricle in elderly patients with congenitally corrected transposition of the great arteries: Clinical profile, cardiac biomarkers, and echocardiographic parameters 92
Ewa Kowalik, Anna Kwiatek-Wrzosek, Anna Klisiewicz, Anna Lutyńska, Elżbieta K. Biernacka, Mirosław Kowalski, Piotr Hoffman; Warsaw-Poland
- ▶ Usefulness of Kawasaki disease risk scoring systems to the Turkish population 97
Kazım Öztarhan, Yusuf Ziya Varlı, Nuray Aktay Ayaz; İstanbul-Turkey
- ▶ Does the level of myocardial injury differ in primary angioplasty patients loaded first with clopidogrel and the ones with ticagrelor? 107
Nil Özyüncü, Hüseyin Göksülük, Türkan Seda Tan, Kerim Esenboğa, Yusuf Atmaca, Çetin Erol; Ankara-Turkey

CONTENTS



CASE REPORTS

- ▶ Late embolization of an atrial septal defect closure device into the main pulmonary artery 113
Berat Engin, Çağla Canbay, Kemal Nişli, Ahmet Kaya Bilge, Berrin Umman; Antalya, İstanbul-Turkey
- ▶ Fatal anaphylactic reaction due to ferric carboxymaltose: A case report 115
Aylin Mualla Arıcı, Zeynep Kumral, Ayşe Gelal, Bahri Akdeniz; İzmir-Turkey
- ▶ Misinterpretation of dual atrioventricular nodal non-reentrant tachycardia as ventricular tachycardia and implantation of implantable cardioverter-defibrillator followed by inappropriate shocks 117
Yusuf Türkmen; Stockholm-Sweden

LETTERS TO THE EDITOR

- ▶ Effects of SARS-CoV-2 on the cardiovascular system: More issues to be addressed 121
Yang Liu; Harbin-China
- ▶ The association of hypertension with obstructive sleep apnea and polysomnographic features 123
Aydın Akyüz; Tekirdağ-Turkey

E-PAGE ORIGINAL IMAGES

- ▶ Giant thrombus occupying the right cardiac chambers in a cancer patient:  An unusual and incidental discovery E-5
Radu Stefan Miftode, Ovidiu Mitu, Raluca Elena Arhirii, Irina-Iuliana Costache, Antoniu Petris; Iasi-Romania
- ▶ Near complete resolution of nonbacterial thrombotic endocarditis in a patient with  antiphospholipid antibody syndrome E-5
Justin Shipman, Pradyumna Agasthi, David Majdalany, Farouk Mookadam, Reza Arsanjani; Arizona-United States