

Prof. Atiye Elif EROĞLU BÜYÜKÖNER

Personal Information

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Research Areas

Cardiovascular

Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Medical Sciences, 2018 - Continues

Courses

Hypertension and Management, Undergraduate, 2022 - 2023

Acute and Chronic Heart Failure, Undergraduate, 2022 - 2023

Left heart failure: physiopathology and diagnosis , Undergraduate, 2021 - 2022

Hypertension Complications and Therapy, Undergraduate, 2021 - 2022

Acute heart failure and cardiogenic shock, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Red cell distribution width and its relationship with global longitudinal strain in patients with heart failure with reduced ejection fraction: a study using two-dimensional speckle tracking echocardiography.**
Eroglu E., Kilicgedik A., Kahveci G., Bakal R. B., Kirma C.
Kardiologia polska, vol.76, no.3, pp.580-585, 2018 (SCI-Expanded)
- II. **Severe mitral regurgitation is associated with increased copeptin levels in heart failure with reduced ejection fraction**
Kilicgedik A., Eroglu E., Kahveci G., Isgandarov K., Acar E., Ozturk S., Zehir R., Kulahcioglu S., Toprak C., Yaman A., et al.
KARDIOLOGIA POLSKA, vol.75, no.12, pp.1307-1324, 2017 (SCI-Expanded)
- III. **Real-time three-dimensional left ventricular contraction in patients with diastolic dysfunction**
Hatipoglu S., Guler G. B., Kaya O., Kahveci G., Guler E., Eroglu E., Ozdemir N.
JOURNAL OF MEDICAL ULTRASONICS, vol.43, no.3, pp.373-380, 2016 (SCI-Expanded)
- IV. **Development of acute pulmonary hypertension after bortezomib treatment in a patient with multiple myeloma: a case report and the review of the literature.**
Akosman C., Ordu C., Eroglu E., Oyan B.
American journal of therapeutics, vol.22, no.3, 2015 (SCI-Expanded)
- V. **Cor triatriatum sinister demonstrated by 3D-transesophageal echocardiography**
Basaran O., Guler A., Karabay C. Y., Eroglu E.

VI. How would I treat? THE INVITED EXPERTS' OPINION

Degertekin M., Ozyeren O., Eroglu E.

EUROINTERVENTION, vol.8, no.4, pp.522-523, 2012 (SCI-Expanded)

VII. Epicardial Fat Thickness Is Associated with Non-Dipper Blood Pressure Pattern in Patients with Essential Hypertension

Sengul C., Cevik C., Ozveren O., Duman D., Eroglu E., Oduncu V., Tanboga H. I., Can M. M., Akgun T., Dindar I.

CLINICAL AND EXPERIMENTAL HYPERTENSION, vol.34, no.3, pp.165-170, 2012 (SCI-Expanded)

VIII. Echocardiographic epicardial fat thickness is related to altered blood pressure responses to exercise stress testing

Sengul C., Ozveren O., Duman D., Eroglu E., Oduncu V., Tanboga H. I., Can M. M., Akgun T., Dindar I.

BLOOD PRESSURE, vol.20, no.5, pp.303-308, 2011 (SCI-Expanded)

IX. Acute myocardial infarction in a 24 year-old man possibly associated with sibutramine use.

Eroglu E., Gemici G., Bayrak F., Kalkan A. K., Degertekin M.

International journal of cardiology, vol.137, no.2, 2009 (SCI-Expanded)

X. Evaluation of myocardial bridges with 64-slice computed tomography coronary angiography.

Bayrak F., Degertekin M., Eroglu E., Guneysu T., Sevinc D., Gemici G., Mutlu B., Aytacclar S.

Acta cardiologica, vol.64, no.3, pp.341-6, 2009 (SCI-Expanded)

XI. Prevalence of coronary artery disease and characterization of plaque morphology evaluated by multi-slice computed

Eroglu E., Gemici G., Bayrak F., Guneysu T., Sevinc D., Aytacclar S., Kalkan A. K., Degertekin M.

EUROPEAN HEART JOURNAL SUPPLEMENTS, vol.11, 2009 (SCI-Expanded)

XII. Prevalence of left main coronary artery disease among patients referred to multislice computed tomography coronary examinations.

Gemici G., Guneysu T., Eroglu E., Bayrak F., Sevinc D., Aytacclar S., Kaya Z., Mutlu B., Degertekin M.

The international journal of cardiovascular imaging, vol.25, no.4, pp.433-8, 2009 (SCI-Expanded)

XIII. Improved regional function after autologous bone marrow-derived stem cell transfer in patients with acute myocardial infarction: a randomized, double-blind strain rate imaging study

Herbots L., D'hooge J., Eroglu E., Thijs D., Ganame J., Claus P., Dubois C., Theunissen K., Bogaert J., Dens J., et al.

EUROPEAN HEART JOURNAL, vol.30, no.6, pp.662-670, 2009 (SCI-Expanded)

XIV. Evaluation of poor left ventricle: multislice computer tomography in the assessment of myocardial viability

Eroglu E., Degertekin M.

ANATOLIAN JOURNAL OF CARDIOLOGY, vol.8, pp.54-59, 2008 (SCI-Expanded)

XV. Right coronary artery fistula with significant left-to-right shunt.

Gemici G., Bayrak F., Aksit Z., Eroglu E., Degertekin M.

Journal of cardiovascular medicine (Hagerstown, Md.), vol.9, no.11, pp.1182-3, 2008 (SCI-Expanded)

XVI. Prevalence and predictors of left main coronary artery disease in 64-slice computed tomography coronary angiography examinations

Gemici G., Guneysu T., Eroglu E., Bayrak F., Sevinc D., Aytacclar S., Kaya Z., Mutlu B., Degertekin M.

EUROPEAN HEART JOURNAL, vol.29, pp.722, 2008 (SCI-Expanded)

XVII. Age-dependency of regional deformation

Herbots L., Claus P., Ganame J., Eroglu E., Voigt J., Rademakers F., D'hooge J.

EUROPEAN HEART JOURNAL, vol.29, pp.501-502, 2008 (SCI-Expanded)

XVIII. Prevalence of coronary artery disease detected by 64-slice computed tomography angiography in women classified as 'low-risk' based on Framingham risk score

Eroglu E., Sevinc D., Bayrak F., Gemici G., Guneysu T., Mutlu B., Kalkan A. K., Aytacclar S., Degertekin M.

EUROPEAN HEART JOURNAL, vol.29, pp.720, 2008 (SCI-Expanded)

XIX. EVALUATION OF MYOCARDIAL BRIDGE WITH 64-SLICE COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY

Bayrak F., Guneysu T., Sevinc D., Eroglu E., Gemici G., Mutlu B., Aytacclar S., Degertekin M.

- ATHEROSCLEROSIS SUPPLEMENTS, vol.9, no.1, pp.165, 2008 (SCI-Expanded)
- XX. Quantitative dobutamine stress echocardiography for the early detection of cardiac allograft vasculopathy in heart transplant recipients
 Eroglu E., Dhooge J., Sutherland G. R., Marciniak A., Thijs D., Droogne W., Herbots L., Van Cleemput J., Claus P., Bijnens B., et al.
 HEART, vol.94, no.2, 2008 (SCI-Expanded)
- XXI. Autologous Bone marrow-derived stem cell transfer in patients with acute myocardial infarction: one year follow-up results of a randomised, double-blind strain rate imaging study
 Herbots L., D'hooge J., Eroglu E., Ganame J., Claus P., Theunissen K., Bogaert J., Van De Werf F., Rademakers F., Janssens S.
 EUROPEAN HEART JOURNAL, vol.28, pp.715, 2007 (SCI-Expanded)
- XXII. The potential clinical role of ultrasonic strain and strain rate imaging in diagnosing acute rejection after heart transplantation
 Marciniak A., Eroglu E., Marciniak M., Sirbu C., Herbots L., Droogne W., Claus P., D'hooge J., Bijnens B., Vanhaecke J., et al.
 EUROPEAN JOURNAL OF ECHOCARDIOGRAPHY, vol.8, no.3, pp.213-221, 2007 (SCI-Expanded)
- XXIII. Usefulness of N-terminal pro-B-type natriuretic peptide to predict clinical course in patients with hypertrophic cardiomyopathy
 Mutlu B., Bayrak F., Kahveci G., Degertekin M., Eroglu E., Basaran Y.
 AMERICAN JOURNAL OF CARDIOLOGY, vol.98, no.11, pp.1504-1506, 2006 (SCI-Expanded)
- XXIV. Comparison of real-time tri-plane and conventional 2D dobutamine stress echocardiography for the assessment of coronary artery disease
 Eroglu E., D'hooge J., Herbots L., Thijs D., Dubois C., Sinnaeve P., Dens J., Vanhaecke J., Rademakers F.
 EUROPEAN HEART JOURNAL, vol.27, no.14, pp.1719-1724, 2006 (SCI-Expanded)
- XXV. Prognostic importance of predischarged troponin T levels in acute anterior myocardial infarction
 Mutlu B., Yilmaz A., Sonmez K., Eroglu E., Turkmen M., Basaran Y.
 JAPANESE HEART JOURNAL, vol.45, no.1, pp.43-52, 2004 (SCI-Expanded)
- XXVI. Restrictive left ventricular filling in hypereosinophilic syndrome as a result of partial cavity obliteration by an apical mass: A strain/strain rate study
 Eroglu E., Di Salvo G., Herbots L., Herregods M., Sutherland G.
 JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY, vol.16, no.10, pp.1088-1090, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. Non-amiloidojenik Transtiretin Gen Varyantlarının Biyoinformatik Analizi ve His90Asn Varyantının Klinik Önemi
 Bayrak A. E., Çelebi G., Eroğlu Büyüköner A. E., Kahveci G., Bayrak D. F.
 Sağlık Bilimlerinde İleri Araştırmalar Dergisi, vol.3, no.3, pp.102-113, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Epicardial and Endocardial Deformations in Discrimination of Nonobstructive Hypertrophic Cardiomyopathy from Hypertensive Left Ventricular Hypertrophy
 Koyuncu A., Eroglu E., Kahveci G., Toprak C., Kilicgedik A., Acar G., Avci A., Fidan S., Tellice M., Alici G., et al.
 29th Turkish Cardiology Congress of the Turkish-Society-of-Cardiology (TSC) with International Participation, Antalya, Turkey, 26 - 29 October 2013, vol.62
- II. Variations in systolic strain rate and strain parameters: a multiple regression analysis amongst normal individuals

- Herbots L., Eroglu E., Ganame J., Thys D., Boettler P., Claus P., Rademakers F., D'hooge J.
 28th Congress of the European-Society-of-Cardiology/World Congress of Cardiology, Barcelona, Spain, 2 - 06 September 2006, vol.27, pp.849
- III. Increased afterload induces changes in early-systolic transmural radial strain distribution**
 Claus P., Rex S., D'hooge J., Missant C., Eroglu E., Rademakers F. E., Wouters P. F.
 28th Congress of the European-Society-of-Cardiology/World Congress of Cardiology, Barcelona, Spain, 2 - 06 September 2006, vol.27, pp.558
- IV. GRADIENTS IN RADIAL STRAIN ACROSS THE CARDIAC WALL STUDIED WITH EPICARDIAL ULTRASOUND**
 D'hooge J., Missant C., Claus P., Rex S., Eroglu E., Rademakers F. E., Wouters P.
 IEEE Ultrasonics Symposium, Vancouver, Canada, 3 - 06 October 2006, pp.748-749
- V. Global myocardial diastolic function does not improve with the transplantation of autologous bone marrow-derived stem cells in patients with acute myocardial infarction**
 Herbots L., Eroglu E., D'hooge J., Thijs D., Ganame J., Claus P., Dubois C., Herregods M., Van de Werf F., Rademakers F., et al.
 78th Annual Scientific Session of the American-Heart-Association, Texas, United States Of America, 13 - 16 November 2005, vol.112
- VI. Regional myocardial systolic function measured with myocardial velocity imaging improves with the transplantation of autologous bone marrow-derived stem cells in patients with large acute myocardial infarction**
 Herbots L., Eroglu E., Thijs D., Ganame J., Claus P., Dymarkowski S., Bogaert J., Herregods M., Van de Werf F., Rademakers F., et al.
 78th Annual Scientific Session of the American-Heart-Association, Texas, United States Of America, 13 - 16 November 2005, vol.112
- VII. Strain rate imaging during dobutamine stress echocardiography accurately differentiates mild from severe transplant vasculopathy**
 Eroglu E., D'hooge J., Marciniak A., Thijs D., Droogne W., Bijnens B., Vanhaecke J., Sutherland G. R.
 27th Congress of the European-Society-of-Cardiology, Stockholm, Sweden, 3 - 07 September 2005, vol.26, pp.211
- VIII. Utility of N-terminal pro-B-type natriuretic peptide to predict clinical outcome in patients with hypertrophic cardiomyopathy**
 Bayrak F., Mutlu B., Kahveci G., Eroglu E., Karaahmet T., Basaran Y.
 27th Congress of the European-Society-of-Cardiology, Stockholm, Sweden, 3 - 07 September 2005, vol.26, pp.447
- IX. Stress echocardiography using 3D multi-plane imaging fastens the procedure without changing wall motion readings**
 Eroglu E., D'hooge J., Herbots L., Rademakers F.
 27th Congress of the European-Society-of-Cardiology, Stockholm, Sweden, 3 - 07 September 2005, vol.26, pp.229
- X. Ultrasonic strain and strain rate imaging: A new non-invasive technique to identify acute rejection after heart transplantation**
 Marciniak A., Eroglu E., Marciniak M., Sirbu C., Herbots L., Streb W., Droogne W., Claus P., Hooge J., Bijnens B., et al.
 Annual Conference of G-MEX/MICC, Manchester, United Kingdom, 23 - 26 May 2005, vol.91
- XI. A statistical model-based approach for the detection of abnormal cardiac deformation**
 Aoued F., Eroglu E., Herbots L., Rademakers F., D'hooge J.
 IEEE International Ultrasonics Symposium, Rotterdam, Netherlands, 18 - 21 September 2005, pp.512-515
- XII. Echocardiographic assessment of end-diastolic wall thickness can be used as a marker of reperfusion in transmural and partial-thickness infarcts**
 Herbots L., Eroglu E., D'hooge J., Claus P., Oambrauskaite V., Ganame J., Mehvald P., Bijnens B., Janssens S., Rademakers F., et al.
 77th Scientific Meeting of the American-Heart-Association, Louisiana, United States Of America, 7 - 10 November 2004, vol.110, pp.713
- XIII. Ultrasonic strain rate imaging - a new clinical tool to evaluate the transplanted heart**
 Eroglu E., Herbots L., Van Cleempot J., D'hooge J., Claus P., Bijnens B., Vanhaecke J., Sutherland G.

- ESC Congress 2004, Munich, Germany, 28 August - 01 September 2004, vol.25, pp.576
- XIV. **Evaluation of the "normal" spectrum of changes in regional deformation induced by heart transplantation: An ultrasonic strain and strain rate study**
Eroglu E., Herbots L., Van Cleemput J., Drooghe W., D'hooge J., Bijnens B., Vanhaecke J., Sutherland G.
54th Annual Scientific Session of the American-College-of-Cardiology, Louisiana, United States Of America, 7 - 10 March 2004, vol.43
- XV. **A new method for the evaluation of atrial function: transthoracic tissue Doppler echocardiography**
Palecek T., Dambrauskaitė V., Eroglu E., D'hooge J., Claus P., Langeland S., Bijnens B., Sutherland G.
Congress of the European-Society-of-Cardiology, Vienna, Austria, 30 August - 03 September 2003, vol.24, pp.206

Activities in Scientific Journals

Journal of Clinical Ultrasound, Evaluation Committee Member, 2021 - 2023

Memberships / Tasks in Scientific Organizations

Türk KAadiyoloji Derneği, Member, 2022 - Continues, Turkey

Scientific Refereeing

TKD Arşiv, National Scientific Refreed Journal, December 2022
ANATOLIAN JOURNAL OF CARDIOLOGY, SCI Journal, December 2022

Scientific Consultations

Türk Kardiyoloji Derneği, Project Consultancy, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Medical Sciences, Turkey, 2020 - 2025

Tasks In Event Organizations

Eroğlu Büyüköner A. E., Temel Strain ve Strain Rate Görüntüleme Kursu/ Basic Strain and Strain Rate Hands-on Course, Scientific Congress, İstanbul, Turkey, Kasım 2019

Scientific Research / Working Group Memberships

Tkd Kardiyo-Onkoloji Proje Grubu, Acibadem Mehmet Ali Aydinlar University, Türkiye, tkd.org.tr, 2022 - Continues

Metrics

Publication: 46
Citation (WoS): 364
Citation (Scopus): 399
H-Index (WoS): 9
H-Index (Scopus): 10

Congress and Symposium Activities

International Congress of Update in Cardiology and Cardiovascular Surgery, Invited Speaker, Antalya, Turkey, 2022

Ulusal KArdiyoloji Kongresi, Session Moderator, Antalya, Turkey, 2022

Ulusal Kardiyoloji Kongresi, Moderator, Antalya, Turkey, 2021