

# Prof. Atiye Elif EROĞLU BÜYÜKÖNER

## Personal Information

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## Education Information

Expertise In Medicine, Kardiyoloji Kliniği, Kardiyoloji Kliniği, Turkey 1999 - 2004

Postgraduate, Katholieke Universiteit Leuven, Medical Faculty, Medical Sciences, Belgium 2002 - 2003

Undergraduate, Ankara University, Faculty Of Medicine, Turkey 1992 - 1998

## Research Areas

Internal Medicine Sciences

## Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Medical Sciences, 2018 - Continues

## Courses

Heart Failure;Physiopathology and Diagnosis, Acute Heart Failure and Cardiogenic Shock, Undergraduate, 2019 - 2020

Hypertension; Complications and Therapy of Hypertension, Undergraduate, 2019 - 2020

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Association between renin-angiotensin-aldosterone system inhibitor treatment, neutrophil-lymphocyte ratio, D-Dimer and clinical severity of COVID-19 in hospitalized patients: a multicenter, observational study.**  
GÖRMEZ S., Ekicibasi E., Degirmencioglu A., Paudel A., ERDİM R., Gumusel H. K. , Eroglu E., Tanboga I. H. , Dagdelen S., Sariguzel N., et al.  
Journal of human hypertension, 2020 (Journal Indexed in SCI Expanded)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)

- IV. **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 (Journal Indexed in SCI)
- V. **Doppler Tissue Evaluation of Atrial Conduction Properties in Patients With Non-alcoholic Fatty-liver Disease**  
Ozveren O, Izgi C., Eroglu E., Simsek M. A. , Turer A., Kucukdurmaz Z., Cinar V., Degertekin M.  
ULTRASONIC IMAGING, vol.38, no.3, pp.225-235, 2016 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **Two-Dimensional Strain and Strain Rate Imaging of the Left Atrium and Left Ventricle in Adult Patients with Atrial Septal Defects before and after the Later Stage of Percutaneous Device Closure**  
Cakal S., Eroglu E., Baydar O., Cakal B., Yazicioglu M. V. , Bulut M., Dundar C., Tigen K., Ozkan B., Acar G., et al.  
ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES, vol.32, no.3, pp.470-474, 2015 (Journal Indexed in SCI)
- VIII. **Evaluation of Improvement in Exercise Capacity after Pulmonary Endarterectomy in Patients with Chronic Thromboembolic Pulmonary Hypertension: Correlation with Echocardiographic Parameters**  
KEPEZ A., SÜNBÜL M., Kivrak T., Eroglu E., Ozben B., YILDIZELİ B., MUTLU B.  
THORACIC AND CARDIOVASCULAR SURGEON, vol.62, no.1, pp.60-65, 2014 (Journal Indexed in SCI)
- IX. **Time Course of Right Ventricular Remodeling after Percutaneous Atrial Septal Defect Closure: Assessment of Regional Deformation Properties with Two-Dimensional Strain and Strain Rate Imaging**  
Eroglu E., Cakal S. D. , Cakal B., Dundar C., Alici G., Ozkan B., Yazicioglu M. V. , Tigen K., Esen A. M.  
ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES, vol.30, no.3, pp.324-330, 2013 (Journal Indexed in SCI)
- X. **Cor triatriatum sinister demonstrated by 3D-transesophageal echocardiography**  
Basaran O., Guler A., Karabay C. Y. , Eroglu E.  
ANADOLU KARDIOLOJİ DERGİSİ-THE ANATOLIAN JOURNAL OF CARDIOLOGY, vol.12, no.8, 2012 (Journal Indexed in SCI)
- XI. **How would I treat? THE INVITED EXPERTS' OPINION**  
Degertekin M., Ozveren O., Eroglu E.  
EUROINTERVENTION, vol.8, no.4, pp.522-523, 2012 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI Expanded)
- XV. **Evaluation of myocardial bridges with 64-slice computed tomography coronary angiography.**  
Bayrak F., Degertekin M., Eroglu E., Guneyesu T., Sevinc D., Gemici G., Mutlu B., Aytaclar S.  
Acta cardiologica, vol.64, no.3, pp.341-6, 2009 (Journal Indexed in SCI Expanded)
- XVI. **Prevalence of coronary artery disease and characterization of plaque morphology evaluated by**

**multi-slice computed**

Eroglu E., Gemici G., Bayrak F., Guneyesu T., Sevinc D., Aytaclar S., Kalkan A. K., Degertekin M.  
EUROPEAN HEART JOURNAL SUPPLEMENTS, vol.11, 2009 (Journal Indexed in SCI)

- XVII. **Giant hydatid cyst of the interventricular septum mimicking acute myocardial infarction on ECG: an unusual cause of ST segment elevation**  
Eroglu E., Gemici G., Ergenoglu M., Yidiz C., Kucukaksu S., Degertekin M.  
JOURNAL OF CARDIOVASCULAR MEDICINE, vol.10, no.5, pp.425-427, 2009 (Journal Indexed in SCI)
- XVIII. **Prevalence of left main coronary artery disease among patients referred to multislice computed tomography coronary examinations.**  
Gemici G., Guneyesu T., Eroglu E., Bayrak F., Sevinc D., Aytaclar S., Kaya Z., Mutlu B., Degertekin M.  
The international journal of cardiovascular imaging, vol.25, no.4, pp.433-8, 2009 (Journal Indexed in SCI Expanded)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI Expanded)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **Prevalence and predictors of left main coronary artery disease in 64-slice computed tomography coronary angiography examinations**  
Gemici G., Guneyesu T., Eroglu E., Bayrak F., Sevinc D., Aytaclar S., Kaya Z., Mutlu B., Degertekin M.  
EUROPEAN HEART JOURNAL, vol.29, pp.722, 2008 (Journal Indexed in SCI)
- XXIV. **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., Guneyesu T., Mutlu B., Kalkan A. K., Aytaclar S., Degertekin M.  
EUROPEAN HEART JOURNAL, vol.29, pp.720, 2008 (Journal Indexed in SCI)
- XXV. **EVALUATION OF MYOCARDIAL BRIDGE WITH 64-SLICE COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY**  
Bayrak F., Guneyesu T., Sevinc D., Eroglu E., Gemici G., Mutlu B., Aytaclar S., Degertekin M.  
ATHEROSCLEROSIS SUPPLEMENTS, vol.9, no.1, pp.165, 2008 (Journal Indexed in SCI)
- XXVI. **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 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **Prognostic importance of pre-discharged 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 (Journal Indexed in SCI)
- XXXII. **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 (Journal Indexed in SCI)
- XXXIII. **Fibrillatory wave amplitude as a marker of left atrial and left atrial appendage function, and a predictor of thromboembolic risk in patients with rheumatic mitral stenosis**  
Mutlu B, Karabulut M, Eroglu E, Tigen K, Bayrak F, Fotbolcu H, Basaran Y.  
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.91, pp.179-186, 2003 (Journal Indexed in SCI)

### **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. **The Prevalence Atrial Fibrillation and its Association with Nt-Probnp Levels: Results from Heart Failure Prevalence and Predictors in Turkey (Happy) Study**  
Degertekin M, Erol C, MUTLU B, Eroglu E, Ozveren O, Ergene O, Tokgozoglu L, Kozan O.  
3rd World Heart Failure Congress, İstanbul, Turkey, 29 November - 02 December 2012, vol.30, pp.21
- III. **Prevalence of Anemia in Heart Failure Patients from Turkey: Analysis from Happy Cohort**  
KEPEZ A, MUTLU B, Ozben B, Ergene O, Kozan O, Eroglu E, Tokgozoglu L, Ozveren O, Erol C, Degertekin M.  
3rd World Heart Failure Congress, İstanbul, Turkey, 29 November - 02 December 2012, vol.30, pp.6
- IV. **Two-Dimensional Strain and Strain Rate Imaging of the Right Ventricle in Chronic Thromboembolic Pulmonary Hypertension Before and After Pulmonary Thromboendarterectomy**  
SÜN BÜL M., KEPEZ A., Kivrak T., Eroglu E., Ozben B., MUTLU B.  
3rd World Heart Failure Congress, İstanbul, Turkey, 29 November - 02 December 2012, vol.30, pp.16
- V. **Prevalence of heart failure in Turkish adult population: results from Heart Failure Prevalence and Predictors in Turkey (HAPPY) study**  
Degertekin M. M. , Erol C., Ergene O., Kozan O., MUTLU B., Ilkay E., Eroglu E., Tokgozoglu L.  
ESC Congress, Stockholm, Sweden, 28 August - 01 September 2010, vol.31, pp.599
- VI. **Predictors of left ventricular dysfunction: results from Heart Failure Prevalence and Predictors in Turkey (HAPPY) study**  
Ergene O., Degertekin M. M. , Erol K., Eren M., Aksoy M., Eroglu E., Kozan O., Erol C.  
ESC Congress, Stockholm, Sweden, 28 August - 01 September 2010, vol.31, pp.727

- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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
- XII. **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
- XIII. **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., Bijmens B., Vanhaecke J., Sutherland G. R.  
27th Congress of the European-Society-of-Cardiology, Stockholm, Sweden, 3 - 07 September 2005, vol.26, pp.211
- XIV. **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
- XV. **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., Bijmens B., et al.  
Annual Conference of G-MEX/MICC, Manchester, United Kingdom, 23 - 26 May 2005, vol.91
- XVI. **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
- XVII. **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., Bijmens 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

- XVIII. **Ultrasonic strain rate imaging - a new clinical tool to evaluate the transplanted heart**  
Eroglu E., Herbots L., Van Cleemput J., D'hooge J., Claus P., Bijmens B., Vanhaecke J., Sutherland G.  
ESC Congress 2004, Munich, Germany, 28 August - 01 September 2004, vol.25, pp.576
- XIX. **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., Droogne W., D'hooge J., Bijmens 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
- XX. **A new method for the evaluation of atrial function: transthoracic tissue Doppler echocardiography**  
Palecek T., Dambrauskaite V., Eroglu E., D'hooge J., Claus P., Langeland S., Bijmens B., Sutherland G.  
Congress of the European-Society-of-Cardiology, Vienna, Austria, 30 August - 03 September 2003, vol.24, pp.206

## **Memberships / Tasks in Scientific Organizations**

Türk Kardiyoloji Derneği, Member, 2018 - Continues, Turkey

## **Scientific Refereeing**

TÜRK KARDİYOLOJİ DERNEĞİ ARŞİVİ, National Scientific Refreed Journal, January 2020

## **Scientific Consultations**

Türk Kardiyoloji Derneği, Project Consultancy, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Medical Sciences, Turkey, 2021 - Continues

## **Tasks In Event Organizations**

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

## **Edit Congress and Symposium Activities**

Ulusal Kardiyoloji, Invited Speaker, İstanbul, Turkey, 2020

Tanıdan Tedaviye Pulmoner Hipertansiyonda Ekokardiyografi, Invited Speaker, İstanbul, Turkey, 2020

ASD Atölyesi Uygulamalı Eğitim Toplantısı, Invited Speaker, İstanbul, Turkey, 2020

## **Citations**

Total Citations (WOS):410

h-index (WOS):11

## **Invited Talks**

European Association of Cardiovascular Imaging, Conference, Avrupa Kardiyovasküler Görüntüleme Birliği, Austria, December 2019

Türk Kardiyoloji Derneği Pulmoner Vasküler ve Erişkin Doğumsal Kalp Hastalıkları Çalışma Grubu Uygulamalı Eğitim

Toplantısı, Conference, Pulmoner Vasküler ve Erişkin Doğumsal Kalp Hastalıkları Çalışma Grubu, Turkey, December 2019

HANDS ON COURSE FOR 3D ECHOCARDIOGRAPHY , Conference, TC HEALTH MINISTRY: ISTANBUL SULTAN ABDUL HAMIT HAN RESEARCH AND TRAINING HOSPITAL , Turkey, October 2019

35th Turkish Cardiology Meeting, Conference, Turkish Society of Cardiology, Turkey, October 2019

3 International Pulmonary Vascular Diseases Meeting PVD 2019, Conference, Turkish Society of Cardiology; Pulmonary Vascular and Adult Congenital Heart Diseases Working Group, Turkey, May 2019

Ulusal Uygulamalı Girişimsel Kardiyoloji Toplantısı, Conference, TKD Girişimsel Kardiyoloji Birliği, Turkey, April 2019

International Congress of Update in Cardiology and Cardiovascular Surgery, Conference, Update in Cardiology and Cardiovascular Surgery, Turkey, March 2019