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Research Areas

Cardiovascular

Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Medical Sciences, 2016 - Continues

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

- **The other side of the coin in primary tricuspid valve disease: The incremental value of 3D echocardiography**
Sari M., Kahveci G., Bayrak D. F. , Uslu A., Pala S.
Turk Kardiyoloji Dernegi Arsivi, vol.46, pp.309-312, 2018 (Journal Indexed in SCI Expanded)
- **Hybrid synchronous treatment of two separate cardiovascular pathologies: Coronary artery bypass grafting and endovascular aortic replacement**
Anturk C., Bayrak F., Okten E. M. , Erdemli O., Karabulut H.
TURK GOGUS KALP DAMAR CERRAHISI DERGISI-TURKISH JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, vol.26, pp.288-291, 2018 (Journal Indexed in SCI)
- **Value of latent outflow obstruction to predict clinical course of patients with hypertrophic cardiomyopathy.**
Bayrak F., Kahveci G., Buturak A., Karaahmet T., Batgerel U., Koyuncu A., MUTLU B.
Acta cardiologica, vol.72, pp.172-179, 2017 (Journal Indexed in SCI Expanded)
- **Elective percutaneous coronary intervention leads to significant changes in serum resistin, leptin, and adiponectin levels regardless of periprocedural myocardial injury: an observational study.**
Buturak A., Degirmencioglu A., Bayrak F., Kiris T., Karakurt H., Demir A. R. , Surgit O., Erturk M.
Anatolian journal of cardiology, vol.16, pp.940-946, 2016 (Journal Indexed in SCI Expanded)
- **Association between non-coding polymorphisms of HOPX gene and syncope in hypertrophic cardiomyopathy.**
Gulec C., Abaci N., Bayrak F., Bayrak E. K. , Kahveci G., Guven C., Unaltuna N. E.
Anadolu kardiyoloji dergisi : AKD = the Anatolian journal of cardiology, vol.14, pp.617-24, 2014 (Journal Indexed in SCI Expanded)
- **The usefulness of the consensus clinical diagnostic criteria in Brugada syndrome.**
Sarkozy A., Paparella G., Boussy T., Casado-Arroyo R., Yazaki Y., Chierchia G., De A., Bayrak F., Namdar M., Richter S., et al.
International journal of cardiology, vol.167, pp.2700-4, 2013 (Journal Indexed in SCI)
- **ICD function and dysfunction in patients with arrhythmogenic cardiac diseases: the role of home monitoring.**
De A., Ricciardi D., Namdar M., Pappaert G., Rodríguez-Mañero M., Wauters K., Casado-Arroyo R., Rao J., Bayrak F., Chierchia G., et al.
Acta cardiologica, vol.68, pp.387-94, 2013 (Journal Indexed in SCI)
- **Simultaneous wide and narrow QRS complex tachycardia: what is the mechanism?**
Rodríguez-Mañero M., Bayrak F., Namdar M., Casado-Arroyo R., Ricciardi D., Chierchia G., Sarkozy A., de A.,

Brugada P.

Revista portuguesa de cardiologia : orgao oficial da Sociedade Portuguesa de Cardiologia = Portuguese journal of cardiology : an official journal of the Portuguese Society of Cardiology, vol.32, pp.431-5, 2013 (Journal Indexed in SCI)

- **Prevalence, clinical characteristics and management of atrial fibrillation in patients with Brugada syndrome.**

Rodríguez-Mañero M., Namdar M., Sarkozy A., Casado-Arroyo R., Ricciardi D., de A., Chierchia G., Wauters K., Rao J., Bayrak F., et al.

The American journal of cardiology, vol.111, pp.362-7, 2013 (Journal Indexed in SCI)

- **Verification of pulmonary vein isolation during single transeptal cryoballoon ablation: a comparison between the classical circular mapping catheter and the inner lumen mapping catheter.**

Chierchia G., Namdar M., Sarkozy A., Sorgente A., de A., Casado-Arroyo R., Capulzini L., Bayrak F., Rodríguez-Mañero M., Ricciardi D., et al.

Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology, vol.14, pp.1708-14, 2012 (Journal Indexed in SCI)

- **Premature ventricular contractions from the outflow tract: 2 sides of the same coin!**

Rao J., Sarkozy A., De A., Namdar M., Ricciardi D., Bayrak F., Dalili M., Chierchia G., Brugada P.

Journal of cardiovascular electrophysiology, vol.23, pp.1395-7, 2012 (Journal Indexed in SCI)

- **Brugada syndrome in children: role of the home monitoring system in ICD management - single center experience**

Ricciardi D., de Asmundis C., Namdar M., Rao J. Y. , Rodríguez-Manero M., Casado R., Bayrak F., Wauters K., Chierchia G. -, Sarkozy A., et al.

ACTA CARDIOLOGICA, vol.67, pp.623-624, 2012 (Journal Indexed in SCI)

- **Pulmonary vein isolation during cryoballoon ablation using the novel Achieve inner lumen mapping catheter: a feasibility study.**

Chierchia G., de A., Namdar M., Westra S., Kuniss M., Sarkozy A., Bayrak F., Ricciardi D., Casado-Arroyo R., Rodríguez M., et al.

Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology, vol.14, pp.962-7, 2012 (Journal Indexed in SCI)

- **The apple does not fall far from the tree: epicardial ventricular tachycardia due to blunt chest trauma.**

Casado-Arroyo R., Namdar M., Bayrak F., Sarkozy A., Meir M., Brugada P.

European heart journal, vol.33, pp.1430, 2012 (Journal Indexed in SCI)

- **Added value of transoesophageal echocardiography during transeptal puncture performed by inexperienced operators.**

Bayrak F., Chierchia G., Namdar M., Yazaki Y., Sarkozy A., de A., Muller-Burri S., Rao J., Ricciardi D., Sorgente A., et al.

Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology, vol.14, pp.661-5, 2012 (Journal Indexed in SCI)

- **Role of ASA in the primary and secondary prevention of cardiovascular events.**

Casado-Arroyo R., Bayrak F., Sarkozy A., Chierchia G., de A., Brugada P.

Best practice & research. Clinical gastroenterology, vol.26, pp.113-23, 2012 (Journal Indexed in SCI)

- **Value of electrocardiogram in the differentiation of hypertensive heart disease, hypertrophic cardiomyopathy, aortic stenosis, amyloidosis, and Fabry disease.**

Namdar M., Steffel J., Jetzer S., Schmied C., Hürlimann D., Camici G., Bayrak F., Ricciardi D., Rao J., de A., et al.

The American journal of cardiology, vol.109, pp.587-93, 2012 (Journal Indexed in SCI)

- **Isolating the pulmonary veins as first-line therapy in patients with lone paroxysmal atrial fibrillation using the cryoballoon.**

Namdar M., Chierchia G., Westra S., Sorgente A., Meir M., Bayrak F., Rao J., Ricciardi D., de A., Sarkozy A., et al.

Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology, vol.14, pp.197-

203, 2012 (Journal Indexed in SCI)

- **Pacemakers do not always tell the truth: diagnosis of ventricular tachycardia for supraventricular tachycardia on pacemaker telemetry.**

Bayrak F., de A., Chierchia G., Brugada P.

Türk Kardiyoloji Dernegi arsivi : Türk Kardiyoloji Derneginin yayin organidir, vol.39, pp.683-5, 2011 (Journal Indexed in SCI)

- **Ventricular repolarization changes for a single heart beat after short periods of ventricular pacing.**

Bayrak F., Sarkozy A., Brugada P.

Acta cardiologica, vol.66, pp.649-51, 2011 (Journal Indexed in SCI)

- **Pulmonary vein ostium shape and orientation as possible predictors of occlusion in patients with drug-refractory paroxysmal atrial fibrillation undergoing cryoballoon ablation.**

Sorgente A., Chierchia G., de A., Sarkozy A., Namdar M., Capulzini L., Yazaki Y., Müller-Burri S., Bayrak F., Brugada P.

Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology, vol.13, pp.205-12, 2011 (Journal Indexed in SCI)

- **The variations of BOP gene in hypertrophic cardiomyopathy.**

Abaci N., Güleç C., Bayrak F., Kömürçü B., Kahveci G., Erginel U.

Anadolu kardiyoloji dergisi : AKD = the Anatolian journal of cardiology, vol.10, pp.303-9, 2010 (Journal Indexed in SCI)

- **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, 2009 (Journal Indexed in SCI Expanded)

- **Chronic cigarette smoking affects left and right ventricular long-axis function in healthy young subjects: a Doppler myocardial imaging study.**

Eroglu E., Aydin S., Yalniz F., Kalkan A., Bayrak F., Degertekin M.

Echocardiography (Mount Kisco, N.Y.), vol.26, pp.1019-25, 2009 (Journal Indexed in SCI)

- **Determinants of elevated NT-proBNP levels in patients with hypertrophic cardiomyopathy: an echocardiographic study.**

Kahveci G., Bayrak F., Mutlu B., Basaran Y.

Heart, lung & circulation, vol.18, pp.266-70, 2009 (Journal Indexed in SCI)

- **Left ventricular noncompaction associated with Ebstein's anomaly.**

Saltik L., Eroğlu E., Bayrak F., Değertekin M.

Türk Kardiyoloji Dernegi arsivi : Türk Kardiyoloji Derneginin yayin organidir, vol.37, pp.269-72, 2009 (Journal Indexed in SCI Expanded)

- **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, pp.341-6, 2009 (Journal Indexed in SCI Expanded)

- **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)

- **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, pp.433-8, 2009 (Journal Indexed in SCI Expanded)

- **Vanishing multiple thrombi in left ventricle of a patient with dilated cardiomyopathy.**

Bayrak F., Kahveci G., Degertekin M., Mutlu B.

International journal of cardiology, vol.133, 2009 (Journal Indexed in SCI)

- **Impact of bicuspid aortic valve on complications and death in infective endocarditis of native aortic valves.**

Kahveci G., Bayrak F., Pala S., Mutlu B.

Texas Heart Institute journal, vol.36, pp.111-6, 2009 (Journal Indexed in SCI)

- **[Importance of left atrial size in predicting adverse clinical events in hypertrophic cardiomyopathy].**
Kahveci G., Bayrak F., Mutlu B., Başaran Y.
Turk Kardiyoloji Dernegi arsivi : Turk Kardiyoloji Derneginin yayin organidir, vol.36, pp.541-5, 2008 (Journal Indexed in SCI Expanded)
- **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, pp.1182-3, 2008 (Journal Indexed in SCI Expanded)
- **Pseudoaneurysm of the mitral-aortic intervalvular fibrosa after aortic valve replacement.**
Kahveci G., Keleş N., Bayrak F., Mutlu B.
Turk Kardiyoloji Dernegi arsivi : Turk Kardiyoloji Derneginin yayin organidir, vol.36, pp.499, 2008 (Journal Indexed in SCI Expanded)
- **Prevalence of coronary artery disease in low to moderate-risk asymptomatic women: a multislice computed tomography study.**
Eroğlu E., Bayrak F., Gemici G., Güneysu T., Mutlu B., Kalkan A., Değertekin M.
Turk Kardiyoloji Dernegi arsivi : Turk Kardiyoloji Derneginin yayin organidir, vol.36, pp.439-45, 2008 (Journal Indexed in SCI Expanded)
- **Large left ventricular pseudoaneurysm detected by 64-slice computed tomography.**
Bayrak F., Eroğlu B., Beykal O., Değertekin M.
Turk Kardiyoloji Dernegi arsivi : Turk Kardiyoloji Derneginin yayin organidir, vol.36, pp.498, 2008 (Journal Indexed in SCI Expanded)
- **Prevalence and predictors of left main coronary artery disease in 64-slice computed tomography coronary angiography examinations**
Gemici G., Güneysu 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)
- **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., Güneysu T., Mutlu B., Kalkan A. K. , Aytaclar S., Degertekin M.
EUROPEAN HEART JOURNAL, vol.29, pp.720, 2008 (Journal Indexed in SCI)
- **EVALUATION OF MYOCARDIAL BRIDGE WITH 64-SLICE COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY**
Bayrak F., Güneysu T., Sevinc D., Eroglu E., Gemici G., Mutlu B., Aytaclar S., Degertekin M.
ATHEROSCLEROSIS SUPPLEMENTS, vol.9, pp.165, 2008 (Journal Indexed in SCI)
- **Clinical significance of high-density lipoprotein cholesterol in left-sided infective endocarditis**
Kahveci G., Bayrak F., Mutlu B., Gurel Y., Karahmet T., Tigen K., Basaran Y.
AMERICAN JOURNAL OF CARDIOLOGY, vol.101, pp.1170-1173, 2008 (Journal Indexed in SCI)
- **Right ventricle-dependent coronary circulation demonstrated with 64-slice computed tomography**
Saltik L., Bayrak F., Güneysu T., Sevinc D., Oztunc F., Degertekin M.
EUROPEAN HEART JOURNAL, vol.29, pp.1018, 2008 (Journal Indexed in SCI)
- **Tissue Doppler imaging to predict clinical course of patients with hypertrophic cardiomyopathy**
Bayrak F., Kahveci G., Mutlu B., Sonmez K., Degertekin M.
EUROPEAN JOURNAL OF ECHOCARDIOGRAPHY, vol.9, pp.278-283, 2008 (Journal Indexed in SCI)
- **Echocardiographic predictors of severe heart failure symptoms in hypertrophic cardiomyopathy patients with sinus rhythm**
Bayrak F., Kahveci G., Degertekin M., Mutlu B.
TRIALS, vol.9, 2008 (Journal Indexed in SCI)
- **Diagnostic performance of 64-slice computed tomography coronary angiography to detect significant coronary artery stenosis**
Bayrak F., Güneysu T., Gemici G., Sevinc D., Mutlu B., Aytaclar S., Degertekin M.
ACTA CARDIOLOGICA, vol.63, pp.11-17, 2008 (Journal Indexed in SCI)
- **Safety and efficacy of patient preparation with intravenous esmolol before 64-slice computed tomography coronary angiography**
Degertekin M., Gemici G., Kaya Z., Bayrak F., Güneysu T., Sevinc D., Mutlu B., Aytaclar S.
CORONARY ARTERY DISEASE, vol.19, pp.33-36, 2008 (Journal Indexed in SCI)

- **Pulmonary atresia and ventricular septal defect with MAPCAs associated with right sided endocarditis and paradoxical embolic event**
Oezden K., Mutlu B., Kahveci G., Bayrak F., Saltik L., Gueran S., Basaran Y.
EUROPEAN JOURNAL OF ECHOCARDIOGRAPHY, vol.8, pp.292-295, 2007 (Journal Indexed in SCI)
- **Usefulness of surface electrocardiogram in predicting the clinical course of patients with hypertrophic cardiomyopathy**
Bayrak F., Kahveci G., Mutlu B., Degertekin M., Demirtas E.
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.7, pp.178-181, 2007 (Journal Indexed in SCI)
- **Isolated left ventricular diverticulum in an asymptomatic patient.**
Bayrak F., Guneysu T., Degertekin M., Gemici G.
European heart journal, vol.28, pp.1591, 2007 (Journal Indexed in SCI)
- **Usefulness of Tissue Doppler Imaging in predicting the clinical course of patients with hypertrophic cardiomyopathy**
Bayrak F., Kahveci G., Mutlu B., Degertekin M., Demirtas E.
EUROPEAN JOURNAL OF HEART FAILURE, vol.6, pp.34, 2007 (Journal Indexed in SCI)
- **Prognostic value of N-terminal pro-B-type natriuretic peptide in patients with active infective endocarditis**
Kahveci G., Bayrak F., Mutlu B., Bitigen A., Karaahmet T., Sonmez K., Izgi A., Degertekin M., Basaran Y.
AMERICAN JOURNAL OF CARDIOLOGY, vol.99, pp.1429-1433, 2007 (Journal Indexed in SCI)
- **Large mural vegetation attached to the left ventricular outflow tract: A case report**
Bitigen A., Bayrak F., Tigen K., Mutlu B.
HEART SURGERY FORUM, vol.10, pp.55-56, 2007 (Journal Indexed in SCI)
- **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, pp.1504-1506, 2006 (Journal Indexed in SCI)
- **Ventricular pre-excitation and cardiac hypertrophy mimicking hypertrophic cardiomyopathy in a Turkish family with a novel PRKAG2 mutation**
Bayrak F., Komurcu-Bayrak E., Mutju B., Kahveci G., Basaran Y., Erginel-Unaltuna N.
EUROPEAN JOURNAL OF HEART FAILURE, vol.8, pp.712-715, 2006 (Journal Indexed in SCI)
- **Large renal artery aneurysm treated with stent graft**
Degertekin M., Bayrak F., Mutlu B., Gurses B., Guran S., Demirtas E.
CIRCULATION, vol.113, 2006 (Journal Indexed in SCI)
- **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)
- **Acute myocardial infarction in a young woman with severe ulcerative colitis**
Mutlu B., Ermeydan C., Enc F., Fotbolcu H., Demirkol O., Bayrak F., Basaran Y.
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.83, pp.183-185, 2002 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Co-occurrence of late potential and discrete prepotential on ablation site in a case of cardiac crux located premature ventricular complexes successfully ablated within the middle cardiac vein**
Gulsen K., Bayrak F., Akdemir B., Polat V., Barman H. A. , Ince O., Okuyan E.
JOURNAL OF ARRHYTHMIA, vol.35, pp.550-553, 2019 (Journal Indexed in ESCI)
- **Multiple left ventricular crypts in patient with hypertrophic cardiomyopathy**
Bayrak F., Buturak A., Damlacik A., Dagdelen S.
TURK KARDIYOLOJİ DERNEĞİ ARSIVI-ARCHIVES OF THE TURKISH SOCIETY OF CARDIOLOGY, vol.44, pp.173, 2016 (Journal Indexed in ESCI)
- **Atrial fibrillation ablation: a single center comparison between remote magnetic navigation, cryoballoon and conventional manual pulmonary vein isolation.**
Sorgente A., Chierchia G., Capulzini L., Yazaki Y., Muller-Burri A., Bayrak F., Sarkozy A., de A., Paparella G.,

Brugada B.

Indian pacing and electrophysiology journal, vol.10, pp.486-95, 2010 (Refereed Journals of Other Institutions)

- **Advanced Age, Female Gender and Delay in Pacemaker Implantation May Cause TdP in Patients With Complete Atrioventricular Block.**

Yiginer O., Kilicaslan F., Aparci M., Isilak Z., Uz O., Bayrak F., Eroglu E., Uzun M., Kardesoglu E., Kirilmaz A., et al.

Indian pacing and electrophysiology journal, vol.10, pp.454-63, 2010 (Refereed Journals of Other Institutions)

- **Cryoballoon ablation for paroxysmal atrial fibrillation in septuagenarians: a prospective study.**

Chierchia G., Capulzini L., de A., Sarkozy A., Sorgente A., Yazaki Y., Muller-Burri S., Paparella G., Lameir M., Bayrak F., et al.

Indian pacing and electrophysiology journal, vol.10, pp.393-9, 2010 (Refereed Journals of Other Institutions)

Book & Book Chapters

- **Section 20: Septal ablation for hypertrophic cardiomyopathy: to whom, when and how?**

Bayrak D. F.

in: Common Clinical Dilemmas in Percutaneous Coronary Interventions, Martinez EE, Lemos AP, Ong ATL, Serruys PW, Editor, Thompson Publishing Group , London, pp.233-241, 2007

Scientific Refereeing

TÜRK KARDİYOLOJİ DERNEĞİ ARŞİMİ, National Scientific Refreed Journal, June 2020

TÜRK KARDİYOLOJİ DERNEĞİ ARŞİMİ, National Scientific Refreed Journal, May 2020

Invited Congress and Symposium Activities

İleri Asistan Okulu, Invited Speaker, İstanbul, Turkey, 2020

Kardiyobahar Kongresi, Invited Speaker, Girne, Cyprus (Kkct), 2020

AF zirvesi, Invited Speaker, Antalya, Turkey, 2020

AF kampüs, Invited Speaker, İstanbul, Turkey, 2019

Ulusal Kardiyoloji Kongresi, Invited Speaker, Antalya, Turkey, 2019

İleri Asistan Okulu, Invited Speaker, İstanbul, Turkey, 2019

Ulusal Aritmi Kongresi, Invited Speaker, Antalya, Turkey, 2019

Ulusal Aritmi Kongresi, Invited Speaker, Antalya, Turkey, 2019

Kardiyolojide Yenilikler Kongresi, Invited Speaker, Antalya, Turkey, 2019

Kardiyobahar Kongresi, Invited Speaker, Girne, Cyprus (Kkct), 2019

Kardiyobahar Kongresi, Invited Speaker, Girne, Cyprus (Kkct), 2019

Citations

Total Citations (WOS):498

h-index (WOS):15

Invited Talks

Kalp pili komplikasyonları, Conference, Medtronic Kalp pili Eğitimi, Turkey, February 2020

Kalp pili Komplikasyonları, Conference, Medtronic Kalp pili eğitimi, Turkey, December 2019

Kardiyolojide Zor Vakalar, Conference, Acibadem Mehmet Ali Aydınlar Üniversitesi, Turkey, November 2019

Acibadem Altunizade Aile Hekimleri Toplantısı, Conference, Acibadem Mehmet Ali Aydınlar Üniversitesi, Turkey, November 2019

Kalp pili komplikasyonları, Conference, Medtronic Kalp pili eğitimi, Turkey, October 2019

His bundle pacing, Conference, Medtronic His bundle pacing eđitimi, Iran, September 2019

Carto Eđitimi, Conference, Johnson and Johnson Carto eđitimi, Turkey, June 2019

Kalp pili komplikasyonları, Conference, Medtronic kalp pili eđitimi, Turkey, April 2019

Kalp pili komplikasyonları, Conference, Medtronic kalp pili eđitimi, Turkey, March 2019

Kalp pili komplikasyonları, Conference, Medtronic kalp pili eđitimi, Turkey, January 2019