

## Prof. Celal AKDENİZ

### Personal Information

**Email:** cakdeniz@medipol.edu.tr

**Web:** <https://avesis.medipol.edu.tr/cakdeniz>

### Education Information

Expertise In Medicine, Istanbul University, Turkey 2016 - 2020

Post Doctorate of Medicine, Dr. Siyami Ersek Göğüs Kalp Ve Damar Cerrahisi Eah, Turkey 2005 - 2007

Undergraduate, İstanbul University-Cerrahpaşa, Cerrahpaşa Tıp Fakültesi, Turkey 1987 - 1993

### Advising Theses

Celal A., Yenidoğan ve erken süt çocukluğu dönemindeki supraventriküler taşikardilerin klinik izlemi ve tedavi yanıtlarının geriye dönük olarak incelenmesi, Expertise In Medicine, F.NUR(Student), 2021

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Human macrophages directly modulate iPSC-derived cardiomyocytes at healthy state and congenital arrhythmia model in vitro**  
Koc A., AKDENİZ C., ÇAĞAVİ E.  
Pflugers Archiv European Journal of Physiology, vol.474, no.12, pp.1295-1310, 2022 (SCI-Expanded)
- II. **Functional evaluation of the tachycardia patient-derived iPSC cardiomyocytes carrying a novel pathogenic SCN5A variant**  
Goktas Sahoglu S., KAZCI Y. E., TUNCAY E., Torun T., AKDENİZ C., TUZCU V., ÇAĞAVİ E.  
Journal of Cellular Physiology, vol.237, no.10, pp.3900-3911, 2022 (SCI-Expanded)
- III. **Current strategies for the management of anomalous origin of coronary arteries from the pulmonary artery**  
Beyaz M. O., Coban S., Ulukan M. O., DOĞAN M. S., EROL C., Saritas T., ERDEM A., AKDENİZ C., UĞURLUCAN M., Akcevin A., et al.  
Heart Surgery Forum, vol.24, no.1, 2021 (SCI-Expanded)
- IV. **CONGENITAL CARDIAC INTERVENTIONS during the PEAK PHASE of COVID-19 PANDEMICS in the COUNTRY in A PANDEMICS HOSPITAL in ISTANBUL**  
UĞURLUCAN M., YILDIZ Y., Oztas D. M., Coban S., Beyaz M. O., SARI G., Ulukan M. O., Karakaya A., Vatansever B., ERKANLI K., et al.  
Cardiology in the Young, vol.30, 2020 (SCI-Expanded)
- V. **Catheter ablation for supraventricular tachycardia in children  $\leq$  20 kg using an electroanatomical system**  
Koca S., AKDENİZ C., TUZCU V.  
Journal of Interventional Cardiac Electrophysiology, vol.55, no.1, pp.99-104, 2019 (SCI-Expanded)
- VI. **Catheter ablation of left posterior fascicular ventricular tachycardia in children with limited fluoroscopy exposure**  
Koca S., AKDENİZ C., Karacan M., TUZCU V.

Cardiology in the Young, vol.29, no.6, pp.793-799, 2019 (SCI-Expanded)

- VII. **Transseptal Puncture for Catheter Ablation in Children**  
Koca S., AKDENİZ C., TUZCU V.  
Pediatric Cardiology, vol.40, no.4, pp.799-804, 2019 (SCI-Expanded)
- VIII. **Electroanatomic mapping-guided catheter ablation of atrial tachycardia in children with limited/zero fluoroscopy**  
ELKIRAN Ö., AKDENİZ C., Karacan M., TUZCU V.  
PACE - Pacing and Clinical Electrophysiology, vol.42, no.4, pp.453-457, 2019 (SCI-Expanded)
- IX. **Electroanatomic Mapping-Guided Catheter Ablation of Supraventricular Tachycardia in Children with Ebstein's Anomaly**  
Ergul Y., Koca S., AKDENİZ C., TUZCU V.  
Pediatric Cardiology, vol.39, no.7, pp.1445-1452, 2018 (SCI-Expanded)
- X. **Long-term outcomes following cryoablation of atrioventricular nodal reentrant tachycardia in children**  
Karacan M., Çelik N., AKDENİZ C., TUZCU V.  
PACE - Pacing and Clinical Electrophysiology, vol.41, no.3, pp.255-260, 2018 (SCI-Expanded)
- XI. **Comparison of 6-mm Versus 8-mm-Tip Cryoablation Catheter for the Treatment of Atrioventricular Nodal Reentrant Tachycardia in Children: A Prospective Study**  
TUZCU V., Gul E. E., Karacan M., Kamali H., Celik N., AKDENİZ C.  
Pediatric Cardiology, vol.38, no.6, pp.1220-1225, 2017 (SCI-Expanded)
- XII. **Catheter ablation of idiopathic right ventricular arrhythmias in children with limited fluoroscopy**  
AKDENİZ C., Gul E. E., Celik N., Karacan M., TUZCU V.  
Journal of Interventional Cardiac Electrophysiology, vol.46, no.3, pp.355-360, 2016 (SCI-Expanded)
- XIII. **Cryoablation with an 8-mm-Tip Catheter for Right-Sided Accessory Pathways in Children**  
Tanidir I. C., Ergul Y., Ozturk E., Dalgic F., Kiplapinar N., Tola H. T., AKDENİZ C., TUZCU V.  
PACE - Pacing and Clinical Electrophysiology, vol.39, no.8, pp.797-804, 2016 (SCI-Expanded)
- XIV. **Multifocal atrial tachycardia caused by risperidone**  
Oner T., AKDENİZ C., Adaletli H.  
International Journal of Cardiology, vol.203, pp.855-857, 2016 (SCI-Expanded)
- XV. **Cardiac Interventions in Pregnant Patients without Fluoroscopy**  
TUZCU V., Gul E. E., ERDEM A., Kamali H., Saritas T., Karadeniz C., AKDENİZ C.  
Pediatric Cardiology, vol.36, no.6, pp.1304-1307, 2015 (SCI-Expanded)
- XVI. **Implantation of looped epicardial cardioverter defibrillator coil on the surface of the right ventricular outflow tract**  
Ozyuksel A., Ersoy C., AKDENİZ C., Akcevin A., TÜRKOĞLU H., TUZCU V.  
Journal of Cardiac Surgery, vol.30, no.4, pp.376-380, 2015 (SCI-Expanded)
- XVII. **Electroanatomic mapping guided cryoablation of Mahaim pathways in children with limited fluoroscopy exposure**  
Ozturk E., Ergul Y., Tanidir I. C., AKDENİZ C., Tola H. T., TUZCU V.  
PACE - Pacing and Clinical Electrophysiology, vol.38, no.3, pp.362-367, 2015 (SCI-Expanded)
- XVIII. **Cryoablation of septal accessory pathways in children: Midterm results**  
Karadeniz C., AKDENİZ C., Turan O., TUZCU V.  
PACE - Pacing and Clinical Electrophysiology, vol.37, no.9, pp.1095-1099, 2014 (SCI-Expanded)
- XIX. **Percutaneous closure of large VSD using a home-made fenestrated atrial septal occluder in 18-year-old with pulmonary hypertension**  
Kamali H., Saritas T., ERDEM A., AKDENİZ C., TUZCU V.  
BMC Cardiovascular Disorders, vol.14, 2014 (SCI-Expanded)
- XX. **Assessment of atrioventricular conduction following cryoablation of atrioventricular nodal reentrant tachycardia in children**  
Kiplapinar N., Ergul Y., Akdeniz C., Saygi M., Ozyilmaz I., Gul E. E., Tuzcu V.  
PACE - Pacing and Clinical Electrophysiology, vol.37, no.6, pp.712-716, 2014 (SCI-Expanded)

- XXI. **Successful cryoablation of atrioventricular nodal reentrant tachycardia and coexisting accessory pathways without fluoroscopy**  
Gul E. E., Ugur F. S., AKDENİZ C., TUZCU V.  
Congenital Heart Disease, vol.8, no.6, 2013 (SCI-Expanded)
- XXII. **Effects of carvedilol therapy on cardiac autonomic control, QT dispersion, and ventricular arrhythmias in children with dilated cardiomyopathy**  
Oflaz M. B., Ballı S., Kibar A. E., Ece I., AKDENİZ C., TUZCU V.  
Medical Science Monitor, vol.19, no.1, pp.366-372, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Electrophysiological properties of asymptomatic children and adolescents with the Wolff-Parkinson-White electrocardiographic pattern**  
KOCA S., AKDENİZ C., TUZCU V.  
Türk Kardiyoloji Derneği Arşivi, vol.47, no.8, pp.674-679, 2019 (Scopus)
- II. **Validation of a smartphone-based electrocardiography in the screening of QT intervals in children**  
KARACAN M., ÇELİK N., Gul E. E., AKDENİZ C., TUZCU V.  
NORTHERN CLINICS OF ISTANBUL = ISTANBUL KUZEY KLİNİKLERİ, vol.6, no.1, pp.48-52, 2019 (Peer-Reviewed Journal)
- III. **Electrophysiological properties of asymptomatic children and adolescents with the Wolff-Parkinson-White electrocardiographic pattern Wolff-Parkinson-White elektrokardiyografik paterni olan asemptomatik çocuk ve ergenlerin elektrofizyolojik özellikleri**  
Koca S., AKDENİZ C., TUZCU V.  
Turk Kardiyoloji Derneği Arsivi, vol.47, no.8, pp.674-679, 2019 (Scopus)
- IV. **Ablation of supraventricular tachycardia in children using a limited fluoroscopy approach with the electro-anatomical system guidance Çocuklarda elektroanatomik haritalama eşliğinde sınırlı floroskopi ile supraventriküler taşikardilerin ablasyonu**  
ELKIRAN Ö., AKDENİZ C., TUZCU V.  
Medeniyet Medical Journal, vol.33, no.4, pp.307-313, 2018 (Scopus)
- V. **Permanent Junctional Reciprocating Tachycardia-induced Dilated Cardiomyopathy: A Case Report**  
BATTAL F., YILDIRIM Ş., AYLANÇ H., BİNNETOĞLU F. K., KAYMAZ N., AKDENİZ C.  
Haseki Tıp Bülteni, vol.55, no.1, pp.67-69, 2017 (Scopus)
- VI. **Permanent junctional reciprocating tachycardia-induced dilated cardiomyopathy: A case report Permanent resiprokan kavşak taşikardisine bağlı dilate kardiyomiyopati: Bir olgu sunumu**  
BATTAL F., Şule Ş., AYLANÇ H., Binnetoğlu F. K., KAYMAZ N., AKDENİZ C.  
Haseki Tıp Bulteni, vol.55, no.1, pp.67-69, 2017 (Scopus)
- VII. **Role of the Cardiac Magnetic Resonance Imaging in Young Patients with Cardiomyopathies and Atypical Ventricular Arrhythmias**  
ÇELİK ALAÇAM N., GÜNDÜZ M., KAMALI H., ERDEM A., ELKIRAN Ö., KARADENİZ C., PAKSOY Y., AKDENİZ C., TUZCU V.  
Pediatric Heart Journal, vol.3, no.3, pp.97-104, 2016 (Peer-Reviewed Journal)
- VIII. **The Importance of Molecular Autopsy at Sudden Cardiac Deaths**  
ŞAHİN Y., FEDAKAR R., KÖK E., ŞEN A., AKDENİZ C., TUZCU V., DEMİRCAN K.  
Adli Tıp Dergisi, vol.30, no.2, pp.162-169, 2016 (Peer-Reviewed Journal)
- IX. **Successful ablation of coexistent Mahaim tachycardia and right posterior accessory pathway in a patient with Ebstein's anomaly**  
Göl E. E., AKDENİZ C., TUZCU V.  
Turk Kardiyoloji Dernegi Arsivi, vol.44, no.5, pp.423-426, 2016 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Cryoablation of septal manifest accessory pathways without fluoroscopy in children: A single center experience**  
KARADENİZ C., AKDENİZ C., TUZCU V.  
EHRA EUROPACE - CARDIOSTIM 2017, 18 - 21 June 2017, vol.19, pp.405
- II. **Risk stratification in children with Woff-Parkinson-White syndrome: Role of intermittent versus persistent preexcitation**  
KARACAN M., AKDENİZ C., YEKELER R. İ., TUZCU V.  
Heart Rhythm-2017, 10 - 13 May 2017, vol.14, pp.107-108
- III. **Fetal başlangıçlı bilateral plevral effüzyonla prezente olan bir yenidoğan non-compaction kardiyomiyopati olgusu**  
Özdemir G., KOCABAŞ A., Tamburacı Uslu Z. D., Turan Ö., Oruç M., AKDENİZ C., TUZCU V.  
XVI. Ulusal Pediatrik Kardiyoloji ve Kalp Damar Cerrahi Kongresi, Antalya, Turkey, 19 - 22 April 2017
- IV. **Gecikmiş tanı alan Jerwel Lange-Nielsen sendromu olgusu**  
KOCABAŞ A., Özdemir G., Turan Ö., Tamburacı Uslu Z. D., AKDENİZ C., TUZCU V.  
XVI. Ulusal Pediatrik Kardiyoloji ve Kalp Damar Cerrahi Kongresi, Antalya, Turkey, 19 - 22 April 2017
- V. **Tekrarlayan senkop atakları ya epilepsi değilse!**  
TOPÇU Y., GÜLTEKİN E., AKDENİZ C., TURANLI G.  
18. Çocuk Nörolojisi Kongresi, Antalya, Turkey, 20 - 24 April 2016