

## Assoc. Prof. UĞUR NADİR KARAKULAK

### Personal Information

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### International Researcher IDs

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### Education Information

Post Doctorate, Universita Degli Studi di Padova, Tıp Fakültesi, Kardiyoloji, Italy 2019 - Continues

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Kardiyoloji, Turkey 2008 - 2014

Undergraduate, Hacettepe University, Tıp Fakültesi, Turkey 2001 - 2008

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Health&Medicine, 3D EKOKARDİYOGRAFİ, PADUA ÜNİVERSİTESİ, 2019

Health&Medicine, LABORATUVAR HAYVANLARI KULLANIM SERTİFİKASI, HACETTEPE ÜNİVERSİTESİ, 2017

### Dissertations

Expertise In Medicine, KORONER ARTER LEZYONLARININ TEDAVİSİNDE EVEROLİMUS SALINIMLI KORONER STENT SİSTEMİNİN (XIENCE V) ETKİNLİK VE GÜVENİRLİĞİNİN DEĞERLENDİRİLMESİ, Hacettepe Üniversitesi, Tıp Fakültesi, Kardiyoloji, 2014

### Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Cardiovascular

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

- I. Response to Letter to the Editor: Clinical Implication of Atrial Conductance Impairment on New-Onset Atrial Fibrillation after Transcatheter Aortic Valve Implantation**  
KARAKULAK U. N.  
ACTA CARDIOLOGICA SINICA, vol.40, no.6, pp.822-823, 2024 (SCI-Expanded)
- II. Prediction of New-Onset Atrial Fibrillation in Transcatheter Aortic Valve Implantation**  
KARAKULAK U. N., Sahiner L., KAYA E. B., ŞENER Y. Z., ATEŞ A. H., AYTEMİR K., ÖZER N.

ACTA CARDIOLOGICA SINICA, no.4, pp.437-444, 2024 (SCI-Expanded)

- III. **Should Left Atrial Appendage Closure be Considered in Resistant Left Atrial Appendage Thrombus Cases? 'Former Foe, New Ally'**  
ATEŞ A. H., KIVRAK A., KARAKULAK U. N., ÇÖTELİ C., YORGUN H., ŞAHİNER M. L., KAYA E. B., AYTEMİR K., AYTEMİR K.  
JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY, no.6, pp.1256, 2024 (SCI-Expanded)
- IV. **Alterations of cardiometabolic risk profile in polycystic ovary syndrome: 13 years follow-up in an unselected population**  
Aksun S., SONU N. C., AYGÜN S., KARAKULAK U. N., MÜMÜŞOĞLU S., YILDIZ O. B.  
Journal of Endocrinological Investigation, vol.47, no.5, pp.1129-1137, 2024 (SCI-Expanded)
- V. **Should left atrial appendage closure be considered in resistant left atrial appendage thrombus cases? 'Former Foe, New Ally'**  
ATEŞ A. H., KIVRAK A., KARAKULAK U. N., ÇÖTELİ C., YORGUN H., ŞAHİNER M. L., Barış Kaya E., AYTEMİR K.  
PACE - Pacing and Clinical Electrophysiology, vol.47, no.4, pp.583-590, 2024 (SCI-Expanded)
- VI. **Evaluation of the relation between subclinical systolic dysfunction defined by four-dimensional speckle-tracking echocardiography and growth differentiation factor-15 levels in patients with acromegaly**  
Fırlatan B., Karakulak U. N., Hekimsoy V., İremli B. G., Lay İ., Yüce D., Dağdelen S., Kabakcı G., Erbas T.  
Hormones, 2024 (SCI-Expanded)
- VII. **Four-Dimensional Echocardiographic Evaluation of Cardiac Iron Overload in Patients with Beta-Thalassemia Major**  
FEDAİ A. B., KARAKULAK U. N., Aladag E., SAYINALP N.  
Cardiovascular Toxicology, vol.24, no.1, pp.41-48, 2024 (SCI-Expanded)
- VIII. **Reply to Letter to the Editor: 'Recurrent Cardiac Myxoma: A Puzzle to be Solved'**  
Yalçinkaya Öner D., KARAKULAK U. N.  
Anatolian journal of cardiology, vol.27, no.8, pp.499-500, 2023 (SCI-Expanded)
- IX. **Fourth Recurrence of Cardiac Myxoma in a Patient with Carney Complex**  
Yalçinkaya D., KARAKULAK U. N.  
Anatolian journal of cardiology, vol.27, no.5, 2023 (SCI-Expanded)
- X. **A Stranger in the Heart Part 2: Recurrence**  
Yalçinkaya Öner D., KARAKULAK U. N.  
Anatolian journal of cardiology, vol.27, no.3, pp.176-177, 2023 (SCI-Expanded)
- XI. **Bone Marrow Origin of Coronary Artery Diseases: The Impact of the Local Renin-Angiotensin System**  
KARAKULAK U. N., ALADAĞ KARAKULAK E., HAZNEDAROĞLU İ. C.  
ACTA CARDIOLOGICA SINICA, vol.38, no.1, pp.13-20, 2022 (SCI-Expanded)
- XII. **The two sides of the spectrum: Paravalvular mitral regurgitation**  
KARAKULAK U. N., ÖZER N.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.25, no.6, 2021 (SCI-Expanded)
- XIII. **What is your diagnosis? A stranger in the heart**  
KARAKULAK U. N., Kilic S., EVRANOS B., AYDIN A., YILMAZ M.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.25, no.4, pp.274-275, 2021 (SCI-Expanded)
- XIV. **Decompression of the left heart chambers via atrial flow regulator: A new insight into heart failure treatment**  
KARAKULAK U. N., KAYA E. B., ŞAHİNER M. L., AYTEMİR K.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.25, no.4, 2021 (SCI-Expanded)
- XV. **Four-Dimensional Echocardiographic Evaluation of Left Ventricular Systolic Functions in Patients with Chronic Myeloid Leukaemia Receiving Tyrosine Kinase Inhibitors**  
KARAKULAK U. N., ALADAĞ KARAKULAK E., HEKİMSOY V., ŞAHİNER M. L., KAYA E. B., ÖZER N., AKSU S., DEMİROĞLU H., GÖKER H., BÜYÜKAŞIK Y., et al.  
CARDIOVASCULAR TOXICOLOGY, vol.21, no.3, pp.216-223, 2021 (SCI-Expanded)
- XVI. **Assessment of Diastolic Function and Thiol-Disulphide Homeostasis in Arsenic-Exposed Workers**

KARAKULAK U. N., BAL C., Gunduzoz M., Buyuksekeri M., ALADAĞ KARAKULAK E., ŞAHİNER M. L., KAYA E. B., ÖZER N., YILMAZ Ö. H., EREL Ö.

ACTA CARDIOLOGICA SINICA, vol.37, no.1, pp.86-96, 2021 (SCI-Expanded)

- XVII. **Cardiac adverse events during stem cell transplantation for hematological malignancies: A single centre experience**  
ALADAĞ KARAKULAK E., DEMİROĞLU H., BÜYÜKAŞIK Y., KARAKULAK U. N., Tekin F., AKSU S., GÖKER H.  
TRANSFUSION AND APHERESIS SCIENCE, vol.59, no.2, 2020 (SCI-Expanded)
- XVIII. **Evaluation of Late-Cardiotoxicity of Patients Treated for Hodgkin Lymphoma in Childhood by 3-Dimensional Echocardiography**  
ÇAKMAKKAYA K., VARAN A., KARAKULAK U. N., ÖZER N., Hayran M., Akyuz C.  
PEDIATRIC BLOOD & CANCER, vol.66, 2019 (SCI-Expanded)
- XIX. **Prolonged Tp-e interval and Tp-e/QT correlates well with modified Rodnan skin severity score in patients with systemic sclerosis**  
Okutucu S., Karakulak U. N., Aksoy H., Sabanoglu C., HEKİMSOY V., Sahiner L., KAYA E. B., AKDOĞAN A., Kabakci G., AYTEMİR K., et al.  
CARDIOLOGY JOURNAL, vol.23, no.3, pp.242-249, 2016 (SCI-Expanded)
- XX. **Evaluation of the ambulatory arterial stiffness index in patients with rheumatoid arthritis**  
KARAKULAK U. N., Sahiner L., Maharjan N., OKUTUCU S., EVRANOS B., ALADAĞ KARAKULAK E., KILIÇ L., AKDOĞAN A., KAYA E. B., Kabakci G., et al.  
BLOOD PRESSURE MONITORING, vol.20, no.5, pp.254-259, 2015 (SCI-Expanded)
- XXI. **Multimodality imaging of major aortapulmonary collateral arteries in type IV truncus arteriosus**  
KARAKULAK U. N., Sabanov C., HAZIROLAN T., ÖZER N.  
ACTA CARDIOLOGICA, vol.70, no.3, pp.361-362, 2015 (SCI-Expanded)
- XXII. **Additional diagnostic parameter for coronary artery disease during exercise test: Heart rate recovery**  
Karakulak U. N., Maharjan N., Tutkun E., Yilmaz O. H.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.15, no.2, pp.163, 2015 (SCI-Expanded)
- XXIII. **Dizygotic twin with congenital AV block**  
KARAKULAK U. N., Cengaver M. K., ALADAĞ KARAKULAK E., Maharjan N.  
ANADOLU KARDIYOLOJİ DERGİSİ-THE ANATOLIAN JOURNAL OF CARDIOLOGY, vol.15, no.1, pp.89, 2015 (SCI-Expanded)
- XXIV. **Assessment of Cardiac Autonomic Nervous System Involvement in Systemic Sclerosis via Exercise Heart Rate Recovery**  
KARAKULAK U. N., OKUTUCU S., Sahiner L., Maharjan N., ALADAĞ KARAKULAK E., AKDOĞAN A., KILIÇ L., KAYA E. B., AYTEMİR K., Tokgozoglu L.  
MEDICAL PRINCIPLES AND PRACTICE, vol.24, no.1, pp.17-22, 2015 (SCI-Expanded)
- XXV. **The phantom of the chest**  
KARAKULAK U. N., Maharjan N., ALADAĞ KARAKULAK E., EVRANOS B.  
ANADOLU KARDIYOLOJİ DERGİSİ-THE ANATOLIAN JOURNAL OF CARDIOLOGY, vol.14, no.7, pp.657-658, 2014 (SCI-Expanded)
- XXVI. **Coil embolization of unligated thoracic side branch of the left internal mammary artery**  
KARAKULAK U. N., Maharjan N., OKUTUCU S., AYTEMİR K.  
ACTA CARDIOLOGICA, vol.69, no.4, pp.462-464, 2014 (SCI-Expanded)
- XXVII. **A case of malposition of ventricular electrode through atrial septal defect**  
KARAKULAK U. N., Okutucu S., AYTEMİR K.  
ANADOLU KARDIYOLOJİ DERGİSİ-THE ANATOLIAN JOURNAL OF CARDIOLOGY, vol.13, no.8, 2013 (SCI-Expanded)
- XXVIII. **Frequency and Predictors of Renal Artery Stenosis in Hypertensive Patients Undergoing Coronary Angiography**  
Yorgun H., Kabakci G., CANPOLAT U., AYTEMİR K., Fatihoglu G., KARAKULAK U. N., KAYA E. B., Sahiner L., Tokgozoglu L., Oto A.  
ANGIOLOGY, vol.64, no.5, pp.385-390, 2013 (SCI-Expanded)

- XXIX. **Assessment of the relationship between non-dipping phenomenon and heart rate turbulence**  
Sahiner L., OKUTUCU S., KARAKULAK U. N., AYTEMİR K., Fatihoglu S. G., KAYA E. B., Kabakci G., Tokgozoglu L., Ozkutlu H., Oto A.  
CARDIOLOGY JOURNAL, vol.19, no.2, pp.140-145, 2012 (SCI-Expanded)
- XXX. **An unusual cause of chest pain: Acute coronary syndrome following administration of ergotamine tartrate**  
OKUTUCU S., KARAKULAK U. N., Kabakci G., AYTEMİR K.  
EXPERIMENTAL & CLINICAL CARDIOLOGY, vol.17, no.1, pp.43-44, 2012 (SCI-Expanded)
- XXXI. **The relationship between circadian blood pressure pattern and ventricular repolarization dynamics assessed by QT dynamicity**  
OKUTUCU S., KARAKULAK U. N., Sahiner L., AYTEMİR K., Demiri E., EVRANOS B., Fatihoglu S. G., KAYA E. B., Kabakci G., Tokgozoglu L., et al.  
BLOOD PRESSURE MONITORING, vol.17, no.1, pp.14-19, 2012 (SCI-Expanded)
- XXXII. **Multimodality Imaging of Coronary-Subclavian-Vertebral Steal Syndrome**  
KARAKULAK U. N., Kose I. C., EVRANOS B., OKUTUCU S., HAZIROLAN T., AYTEMİR K., Oto A.  
CIRCULATION, vol.125, no.2, 2012 (SCI-Expanded)
- XXXIII. **Cardiac resynchronization therapy improves exercise heart rate recovery in patients with heart failure**  
OKUTUCU S., AYTEMİR K., EVRANOS B., Aksoy H., Sabanov C., KARAKULAK U. N., KAYA E. B., Kabakci G., Tokgozoglu L., Ozkutlu H., et al.  
EUROPACE, vol.13, no.4, pp.526-532, 2011 (SCI-Expanded)
- XXXIV. **PERCUTANEOUS CORONARY SINUS INTERVENTIONS TO FACILITATE IMPLANTATION OF LEFT VENTRICULAR LEAD**  
Oto A., AYTEMİR K., Okutucu S., Sahiner L., CANPOLAT U., KARAKULAK U. N., EVRANOS B., KAYA E. B., Kabakci G., Tokgozoglu L., et al.  
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.147, 2011 (SCI-Expanded)
- XXXV. **Circadian blood pressure pattern and cardiac autonomic functions: different aspects of same pathophysiology**  
OKUTUCU S., KARAKULAK U. N., Kabakci G.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.11, no.2, pp.168-173, 2011 (SCI-Expanded)
- XXXVI. **Evaluation of cardiac autonomic functions in patients with ankylosing spondylitis via heart rate recovery and heart rate variability**  
KAYA E. B., OKUTUCU S., Aksoy H., KARAKULAK U. N., Tulumen E., ÖZDEMİR O., Inanici F., AYTEMİR K., Kabakci G., Tokgozoglu L., et al.  
CLINICAL RESEARCH IN CARDIOLOGY, vol.99, no.12, pp.803-808, 2010 (SCI-Expanded)
- XXXVII. **SERUM URIC ACID LEVELS DECREASES AFTER CRT IMPLANTATION**  
Aksoy H., OKUTUCU S., DEVECİ O. S., Tulumen E., KARAKULAK U. N., AYTEMİR K., KAYA E. B., Kabakci G., Tokgozoglu L., Nazli N., et al.  
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.140, 2010 (SCI-Expanded)
- XXXVIII. **CARDIAC RESYNCHRONIZATION THERAPY IMPROVES LEFT VENTRICULAR DIASTOLIC FUNCTION**  
Aksoy H., OKUTUCU S., DEVECİ O. S., Tulumen E., KARAKULAK U. N., AYTEMİR K., KAYA E. B., Tokgozoglu L., Kabakci G., Nazli N., et al.  
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.140, 2010 (SCI-Expanded)
- XXXIX. **PERMANENT PACEMAKER AND IMPLANTABLE CARDIOVERTER DEFIBRILLATOR INFECTIONS: SEVEN YEARS OF DIAGNOSTIC AND THERAPEUTIC EXPERIENCE OF SINGLE CENTER**  
OKUTUCU S., CENGİZ M., Sahin A., KARAKULAK U. N., AŞÇIOĞLU HAYRAN S., KAYA E. B., AYTEMİR K., Kabakci G., Tokgozoglu L., Nazli N., et al.  
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.140, 2010 (SCI-Expanded)
- XL. **THE EFFECT OF LEVOSIMENDAN INFUSION ON QT DYNAMICITY IN PATIENTS WITH ACUTE HEART FAILURE**  
OKUTUCU S., Kabakci G., Aksoy H., Tulumen E., DEVECİ O. S., Sabanov C., KARAKULAK U. N., Akbarovna J., AYTEMİR

K., Tokgozoglul., et al.

INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.140, 2010 (SCI-Expanded)

**XLII. RELATIONSHIP BETWEEN LEFT VENTRICULAR MASS AND CIRCADIAN BLOOD PRESSURE PATTERN IN ELDERLY POPULATION WITH NEWLY DIAGNOSED HYPERTENSION**

Oto A., OKUTUCU S., Yazici G. E., Aksoy H., Fatihoglu S. G., KARAKULAK U. N., Dural M., KAYA E. B., AYTEMİR K., Kabakci G., et al.

INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.140, 2010 (SCI-Expanded)

**XLIII. EVALUATION OF CARDIAC AUTONOMIC FUNCTIONS IN PATIENTS WITH ANKYLOSING SPONDYLITIS**

OKUTUCU S., Aksoy H., KAYA E. B., ÖZDEMİR O., Inanici F., Sabanov C., KARAKULAK U. N., AYTEMİR K., Kabakci G., Tokgozoglul., et al.

INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.140, 2010 (SCI-Expanded)

## Articles Published in Other Journals

**I. Effective Therapeutic Intervention for Left Atrial Appendage Thrombus: Percutaneous Left Atrial Appendage Closure**

ÇÖTELİ C., AYGÜN S., ATEŞ A. H., KARAKULAK U. N., YORGUN H., Sahiner L., Kaya B., AYTEMİR K.

EUROPEAN JOURNAL OF THERAPEUTICS, vol.28, no.3, pp.171-175, 2022 (ESCI)

**II. Evaluation of Effectiveness and Safety of Everolimus Eluting Stent System (XIENCE V) in the Treatment of Coronary Artery Lesions**

KARAKULAK U. N., KAYA E. B., ŞAHİNER M. L., ÖZER N., YORGUN H., Oto A., AYTEMİR K.

EUROPEAN JOURNAL OF THERAPEUTICS, vol.27, no.2, pp.149-157, 2021 (ESCI)

**III. Capecitabine-induced coronary artery vasospasm in a patient who previously experienced a similar episode with fluorouracil therapy**

KARAKULAK U. N., ALADAĞ KARAKULAK E., Maharjan N., ÖVÜNÇ K.

TURK KARDIYOLOJİ DERNEĞİ ARSIVI-ARCHIVES OF THE TURKISH SOCIETY OF CARDIOLOGY, vol.44, no.1, pp.71-74, 2016 (ESCI)

**IV. Pulmonary vein isolation with the cryoballoon technique in atrial fibrillation treatment: single centre experience**

OTO A., AYTEMİR K., CANPOLAT U., KARAKULAK U. N., EVRANOS B., ŞAHİNER L., OKUTUCU S., KAYA E. B., TOKGÖZOĞLU L., KABAKÇI G.

Türk Kardiyoloji Derneği Arşivi, vol.41, no.4, pp.299-309, 2013 (Scopus)

**V. Heart rate recovery: a practical clinical indicator of abnormal cardiac autonomic function**

OKUTUCU S., KARAKULAK U. N., AYTEMİR K., Oto A.

EXPERT REVIEW OF CARDIOVASCULAR THERAPY, vol.9, no.11, pp.1417-1430, 2011 (ESCI)

**VI. Incomplete pacemaker lead fracture revealed by superficial maneuvers**

Aksoy H., OKUTUCU S., KARAKULAK U. N., ATALAR E.

TURK KARDIYOLOJİ DERNEĞİ ARSIVI-ARCHIVES OF THE TURKISH SOCIETY OF CARDIOLOGY, vol.38, no.5, pp.363-365, 2010 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

**I. A New Electrocardiographic Parameter in Scleroderma Patients with and Without Pulmonary Hypertension: Tp-E/Qtc Ratio**

KARAKULAK U. N., Maharjan N., ALADAĞ KARAKULAK E., KILIÇ L., AKDOĞAN A., KAYA E. B., Tokgozoglul.

29th Turkish Cardiology Congress of the Turkish-Society-of-Cardiology (TSC) with International Participation, Antalya, Turkey, 26 - 29 October 2013, vol.62

**II. Predictors of Mortality in Scleroderma Patients with Pulmonary Hypertension**

KARAKULAK U. N., HEKİMSOY V., Maharjan N., KAYA E. B., KILIÇ L., AKDOĞAN A., Tokgozoglul.

29th Turkish Cardiology Congress of the Turkish-Society-of-Cardiology (TSC) with International Participation, Antalya, Turkey, 26 - 29 October 2013, vol.62

- III. **Risk factors and Predictors in the Development of Pulmonary Hypertension in Scleroderma Patients**  
KARAKULAK U. N., Maharjan N., ALADAĞ KARAKULAK E., KILIÇ L., AKDOĞAN A., KAYA E. B., Tokgozoglul.  
29th Turkish Cardiology Congress of the Turkish-Society-of-Cardiology (TSC) with International Participation, Antalya, Turkey, 26 - 29 October 2013, vol.62
- IV. **Factors That Affect Pulmonary Artery Pressure in Scleroderma Patients with Pulmonary Hypertension**  
KARAKULAK U. N., Maharjan N., ALADAĞ KARAKULAK E., KILIÇ L., AKDOĞAN A., KAYA E. B., Tokgozoglul.  
29th Turkish Cardiology Congress of the Turkish-Society-of-Cardiology (TSC) with International Participation, Antalya, Turkey, 26 - 29 October 2013, vol.62
- V. **Ganglionated plexi ablation during cryoballoon ablation prevents recurrence of atrial fibrillation**  
AYTEMİR K., YORGUN H., CANPOLAT U., Sunman H., KARAKULAK U. N., Sahiner L., Kaya B., Tokgozoglul., Kabakci G., Oto A.  
Congress of the European-Society-of-Cardiology (ESC), Amsterdam, Netherlands, 31 August - 04 September 2013, vol.34, pp.425-426
- VI. **Frequency and predictors of renal artery stenosis in hypertensive patients undergoing coronary angiography**  
YORGUN H., Kabakci G., CANPOLAT U., Fatihoglu G., KARAKULAK U. N., Sahiner L., KAYA E. B., AYTEMİR K., Tokgozoglul., Oto A.  
Congress of the European-Society-of-Cardiology (ESC), Munchen, Germany, 25 - 29 August 2012, vol.33, pp.455-456
- VII. **REACTIVE HYPEREMIA PERIPHERAL ARTERIAL TONOMOMETRY SCORE IDENTIFIES RESPONDERS TO CARDIAC RESYNCHRONIZATION THERAPY**  
OKUTUCU S., Jam F., Kaya E. B., EVRANOS B., Cingiz S., KARAKULAK U. N., Sefik F. G., AYTEMİR K., Kabakci G., Tokgozoglul., et al.  
60th Annual Scientific Session and Expo of the American-College-of-Cardiology, Louisiana, United States Of America, 3 - 05 April 2011, vol.57

## Supported Projects

DAĞDELEN S., ALİKAŞİFOĞLU M., İNAL İNCE D., ÇALIK KÜTÜKCÜ E., KARAKULAK U. N., SATILMIŞ M., ÇAKMAK A., TEKERLEK H., AÇIKGÖZ A., Project Supported by Higher Education Institutions, Sağlıklı Gençlerde Kronik Hastalıklara Yatkınlıkla İlişkili Yaşam Tarzının Biyolojik Kökenleri, 2019 - Continues

ERBAŞ A. T., KARAKULAK U. N., FIRLATAN B., Project Supported by Higher Education Institutions, Akromegali ve Prolaktinoma Tanılı Hastalarda Kardiyak Steatosis, Kardiyovasküler Risk ve İlişkili Biyomarkerlar, 2019 - 2020

## Metrics

Publication: 55

Citation (WoS): 137

Citation (Scopus): 167

H-Index (WoS): 6

H-Index (Scopus): 7

## Non Academic Experience

SAĞLIK BAKANLIĞI ANKARA MESLEK HASTALIKLARI HASTANESİ