

## Prof. TUNCAY HAZIROLAN

### Personal Information

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### Education Information

Post Doctorate, Hacettepe University, Tıp Fakültesi Tıp Fakültesi, Radyoloji, Turkey 1998 - 2002

### Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Radiodiagnostic

### Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2013 - Continues

### Courses

MRG fiziği, Doctorate, 2016 - 2017

Kardiovasküler radyoloji, Undergraduate, 2016 - 2017

Kardiyak BT, Doctorate, 2016 - 2017

Kardiyak MRG, Doctorate, 2016 - 2017

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

- I. **Right-sided aortic arch with isolation of the left innominate artery and hypoplasia of the left internal carotid artery**  
YAMAN V., ARDALI DÜZGÜN S., HAZIROLAN T.  
Surgical and Radiologic Anatomy, vol.46, no.4, pp.513-517, 2024 (SCI-Expanded)
- II. **Reply to Letter to the Editor: "Cardiotoxicity Associated with Antihuman Epidermal Growth Factor Receptor-2 Therapy: Particular Aspects of a Specific Phenomenon"**  
ŞENER Y. Z., Düzgün S. A., HAZIROLAN T., Tokgözoğlu L.  
Anatolian Journal of Cardiology, vol.28, no.2, pp.130-131, 2024 (SCI-Expanded)
- III. **Multiparametric assessment of right ventricular function in heart transplant recipients by echocardiography and relations with pulmonary hemodynamics**  
ÇOLAK A., ERDEMİR A. G., HAZIROLAN T., Pirat B., Eroglu S., Aydinalp A., Muderrisoglu H., Sade L. E.  
Echocardiography, vol.40, no.12, pp.1350-1355, 2023 (SCI-Expanded)
- IV. **The combined intrathyroidal course of the brachiocephalic artery, right common carotid artery and right subclavian artery**  
YAMAN V., ARDALI DÜZGÜN S., HAZIROLAN T.  
Surgical and Radiologic Anatomy, vol.45, no.9, pp.1149-1151, 2023 (SCI-Expanded)

- V. **Approach to optimal assessment of right ventricular remodelling in heart transplant recipients: insights from myocardial work index, T1 mapping, and endomyocardial biopsy**  
SADE AKDOĞAN L. E., Colak A., ARDALI DÜZGÜN S., HAZIROLAN T., Sezgin A., Donal E., Butcher S. C., Ozdemir H., Pirat B., Eroglu S., et al.  
EUROPEAN HEART JOURNAL-CARDIOVASCULAR IMAGING, vol.24, pp.354-363, 2023 (SCI-Expanded)
- VI. **Cardiac Magnetic Resonance Imaging Findings in Human Epidermal Growth Factor Receptor 2-Targeted Therapy-Related Cardiotoxicity**  
ŞENER Y. Z., Düzgün S. A., HAZIROLAN T., Tokgözoğlu L.  
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- VII. **Cross-sectional imaging findings of cardiac outpouchings**  
Ufuk F., HAZIROLAN T.  
Diagnostic and Interventional Radiology, vol.29, no.1, pp.68-79, 2023 (SCI-Expanded)
- VIII. **Treatment of childhood-onset Takayasu arteritis: switching between anti-TNF and anti-IL-6 agents**  
ŞENER S., BAŞARAN H. Ö., KAYA AKCA Ü., ATALAY E., KASAP CÜCEOĞLU M., BALIK Z., Aliyev E., BAYINDIR Y., BATU AKAL E. D., HAZIROLAN T., et al.  
RHEUMATOLOGY, vol.61, pp.4885-4891, 2022 (SCI-Expanded)
- IX. **Imaging modalities used in diagnosis and follow-up of patients with Takayasu's arteritis**  
Dincer A. B. K., KILIÇ L., ERDEN A., KALYONCU U., HAZIROLAN T., KIRAZ S., KARADAĞ Ö.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.1, pp.224-230, 2021 (SCI-Expanded)
- X. **Persistent left superior vena cava: clinical importance and differential diagnoses**  
Azizova A., ÖNDER Ö., Arslan S., ARDALI DÜZGÜN S., HAZIROLAN T.  
INSIGHTS INTO IMAGING, vol.11, no.1, 2020 (SCI-Expanded)
- XI. **Role of femoral artery ultrasound imaging in cardiovascular event risk prediction in a primary prevention cohort at a medium-term follow-up**  
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- XII. **Radiological approaches to COVID-19 pneumonia**  
UFUK F., SAVAŞ R., Hazirolan T.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, no.5, pp.1440-1441, 2020 (SCI-Expanded)
- XIII. **Periaortitis and Coronary Arteritis in IgG4-Related Disease: Eastern Mediterranean Experience**  
YARDIMCI G. K., SARI A., Erden A., BÖLEK E. Ç., Farisogullari B., KILIÇ L., ARMAĞAN B., KALYONCU U., HAZIROLAN T., ERTELİ A. İ., et al.  
ARTHRITIS & RHEUMATOLOGY, vol.71, 2019 (SCI-Expanded)
- XIV. **T1 Mapping by Cardiac Magnetic Resonance and Multidimensional Speckle-Tracking Strain by Echocardiography for the Detection of Acute Cellular Rejection in Cardiac Allograft Recipients**  
Sade L. E., HAZIROLAN T., Kozan H., Ozdemir H., Hayran M., Eroglu S., Pirat B., Sezgin A., Muderrisoglu H.  
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- XV. **Redefining the morphometry of subclavian vessels for clavicle fracture treatments**  
VATANSEVER A., Demiryurek D., ERÇAKMAK GÜNEŞ B., Ozsoy H., HAZIROLAN T., ŞENTÜRK Y. E.  
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- XVI. **Incidental Findings Diagnosed during Preprocedural Evaluation of TAVR**  
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- XVII. **Pulmonary vein orientation is independently associated with outcomes following cryoballoon-based atrial fibrillation ablation**  
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JOURNAL OF CARDIOVASCULAR COMPUTED TOMOGRAPHY, vol.12, no.4, pp.281-285, 2018 (SCI-Expanded)
- XVIII. **Hypoplastic left anterior descending artery associated with a single coronary artery**  
TAYDAŞ O., ERARSLAN Y., ÖVÜNÇ K., HAZIROLAN T.  
TURK GOGUS KALP DAMAR CERRAHISI DERGISI-TURKISH JOURNAL OF THORACIC AND CARDIOVASCULAR

SURGERY, vol.26, no.2, pp.286-287, 2018 (SCI-Expanded)

- XIX. **The Impact of Iron Overload in Acute Leukemia: Chronic Inflammation, But Not the Presence of Nontransferrin Bound Iron is a Determinant of Oxidative Stress**  
Olcaý L., SERTESEER M., Kolay M., Balci H. F., Yildirim U. M., Tekgunduz S. A., HAZIROLAN T., TERZİ Y. K.  
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- XX. **HFE gene mutation is a risk factor for tissue iron accumulation in hemodialysis patients**  
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- XXI. **Clinical evaluation of myocardial involvement in acute myopericarditis in young adults**  
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- XXII. **Assessment of left ventricular functions and myocardial iron load with tissue Doppler and speckle tracking echocardiography and T2\*MRI in patients with beta-thalassemia major**  
Ari M. E., Ekici F., Cetin I. I., TAVİL E. B., Yarali N., Isik P., HAZIROLAN T., Tunc B.  
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- XXIII. **Tocilizumab treatment in childhood Takayasu arteritis: Case series of four patients and systematic review of the literature**  
Batu E. D., Sonmez H. E., HAZIROLAN T., ÖZALTIN F., BİLGİNER Y., ÖZEN S.  
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- XXIV. **Relationship between vitamin D level and left atrial fibrosis in patients with lone paroxysmal atrial fibrillation undergoing cryoballoon-based catheter ablation**  
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- XXV. **The clinical features and outcomes of Turkish patients with IgG4-related disease: a single-center experience**  
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- XXVI. **Association of Neutrophil-to-Lymphocyte Ratio with the Severity and Morphology of Coronary Atherosclerotic Plaques Detected by Multidetector Computerized Tomography**  
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- XXVII. **Loeffler endocarditis: silent right ventricular myocardium!**  
Cetin S., Heper G., VURAL M. G., HAZIROLAN T.  
WIENER KLINISCHE WOCHENSCHRIFT, vol.128, pp.513-515, 2016 (SCI-Expanded)
- XXVIII. **Effect of iterative reconstruction on image quality in evaluating patients with coronary calcifications or stents during coronary computed tomography angiography: a pilot study**  
Guler E., Vural V., ÜNAL E., Kose I. C., AKATA D., KARÇAALTINCABA M., HAZIROLAN T.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.16, no.2, pp.119-124, 2016 (SCI-Expanded)
- XXIX. **Serum YKL-40 as a Marker of Left Atrial Fibrosis Assessed by Delayed Enhancement MRI in Lone Atrial Fibrillation**  
CANPOLAT U., AYTEMİR K., HAZIROLAN T., ÖZER N., Oto A.  
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- XXX. **Comparison of image quality and radiation dose between prospectively ECG-triggered and retrospectively ECG-gated CT angiography: Establishing heart rate cut-off values in first-generation dual-source CT.**  
ÜNAL E., Yildiz A. E., Guler E., KARÇAALTINCABA M., AKATA D., Kilincer A., Atli E., Topcuoglu M., HAZIROLAN T.  
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- XXXI. **Comparison of radiological and morphologic assessments of myocardial bridges**  
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- XXXII. **Cardiac Hydatid Cysts: Computed Tomography and Magnetic Resonance Imaging Findings of the 5 Cases**  
Petik B., HAZIROLAN T., Uysal G., ERTÜRK Ş. M.  
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- XXXIII. **Periatrial epicardial adipose tissue thickness is an independent predictor of atrial fibrillation recurrence after cryoballoon-based pulmonary vein isolation**  
KOÇYIĞIT D., Gurses K. M., Yalcin M. U., TÜRK G., EVRANOS B., YORGUN H., ŞAHİNER M. L., KAYA E. B., HAZIROLAN T., Tokgozoglul L., et al.  
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- XXXIV. **Multimodality imaging of major aortapulmonary collateral arteries in type IV truncus arteriosus**  
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- XXXV. **Left atrial drainage of the great cardiac vein**  
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- XXXVI. **Anomalous small cardiac vein draining into the superior vena cava**  
AKKAYA S., ARDALI DÜZGÜN S., BALCI S., HAZIROLAN T.  
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- XXXVII. **Association of epicardial and peri-atrial adiposity with the presence and severity of non-valvular atrial fibrillation**  
YORGUN H., Canpolat U., AYTEMİR K., HAZIROLAN T., Sahiner L., KAYA E. B., Kabakci G., Tokgozoglul L., ÖZER N., Oto A.  
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- XXXVIII. **A Prospective DE-MRI Study Evaluating the Role of TGF-beta 1 in Left Atrial Fibrosis and Implications for Outcomes of Cryoballoon-Based Catheter Ablation: New Insights into Primary Fibrotic Atriocardiomyopathy**  
CANPOLAT U., Oto A., HAZIROLAN T., Sunman H., YORGUN H., Sahiner L., KAYA E. B., AYTEMİR K.  
JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY, vol.26, no.3, pp.251-259, 2015 (SCI-Expanded)
- XXXIX. **Does coronary calcium scoring with a SCORE better predict significant coronary artery stenosis than without? Correlation with computed tomography coronary angiography**  
DURHAN G., HAZIROLAN T., SUNMAN H., KARAKAYA J., KARÇAALTINCABA M., AYTEMİR K., KARAAGAOĞLU E., AKATA D.  
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- XL. **Does Allograft Size Really Matter in the Long-Term Outcome of Living Donor Kidney Transplantation?**  
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- XLI. **Nonalcoholic fatty liver disease is associated with significant coronary artery disease in type 2 diabetic patients: A computed tomography angiography study**  
İDİLMAN İ. S., AKATA D., HAZIROLAN T., Doganay Erdogan B., AYTEMİR K., KARÇAALTINCABA M.  
JOURNAL OF DIABETES, vol.7, no.2, pp.279-286, 2015 (SCI-Expanded)
- XLII. **M2-muscarinic acetylcholine receptor autoantibody levels predict left atrial fibrosis severity in paroxysmal lone atrial fibrillation patients undergoing cryoablation**  
Gurses K. M., Yalcin M. U., Kocyigit D., Kesikli S. A., Canpolat U., YORGUN H., ŞAHİNER M. L., KAYA E. B., HAZIROLAN T., ÖZER N., et al.  
EUROPACE, vol.17, no.2, pp.239-246, 2015 (SCI-Expanded)
- XLIII. **Quantitative liver tumor blood volume measurements by a C-arm CT post-processing software before and after hepatic arterial embolization therapy: comparison with MDCT perfusion**  
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- XLIV. **the Effects of Deferasirox on Iron in Pituitary, Pancreas and Thyroid Glands: An Observational Case-Control Study**  
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- XLV. **Number of erythrocyte transfusions is more predictive than serum ferritin in estimation of cardiac iron loading in pediatric patients with acute lymphoblastic leukemia.**  
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- XLVI. **Biochemical, Radiologic, Ultrastructural, and Genetic Evaluation of Iron Overload in Acute Leukemia and Iron-chelation Therapy**  
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- XLVII. **Imaging before cryoablation of atrial fibrillation: is phrenic nerve palsy predictable?**  
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- XLVIII. **Effect of age and plaque morphology on diagnostic accuracy of dual source multidetector computed tomography coronary angiography**  
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- XLIX. **Mid-Aortic Syndrome Demonstrated by Three-Dimensional Computed Tomography: Case Report**  
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- L. **Inoperable isolated cardiac hydatid cyst controlled with albendazole in an older adult with dementia**  
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- LI. **Prognostic value of dual-source multidetector computed tomography coronary angiography in patients with stent implantation**  
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- LII. **Prognosis of patients with mild-moderate coronary artery stenosis detected by coronary computed tomography angiography**  
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- LIII. **Unexpected cause of acute coronary syndrome in a patient with idiopathic pulmonary arterial hypertension**  
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- LIV. **SERUM BILIRUBIN LEVEL PREDICTS CORONARY ATHEROSCLEROSIS DETECTED BY CORONARY CT ANGIOGRAPHY**  
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- LV. **Erdheim-Chester disease with cardiac involvement: a new case report**  
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- LVI. **Imaging findings of lipomatosis: a comprehensive review**  
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- LVII. **The MR imaging features and the analyses of quantitative parameters in cases with surgically repaired tetralogy of Fallot**  
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- LVIII. **An unusual complication of infective endocarditis: left ventricular outflow tract perforation**  
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- LIX. **Diagnostic Accuracy of Dual-Source 64-Slice Multidetector Computed Tomography in Evaluation of Coronary Artery Bypass Grafts**  
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- LX. **Association of type 2 diabetes mellitus with coronary atherosclerotic plaque burden and morphology measured by multidetector computed tomography coronary angiography**  
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- LXI. **Noninvasive Evaluation of Coronary Artery Bypass Grafts with 16-Slice Multidetector Computed Tomography**  
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- LXII. **Multimodality Imaging of Coronary-Subclavian-Vertebral Steal Syndrome**  
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- LXIII. **Analysis of left atrial appendix by dual-source CT coronary angiography: Morphologic classification and imaging by volume rendered CT images**  
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- LXIV. **Epicardial adipose tissue thickness predicts descending thoracic aorta atherosclerosis shown by multidetector computed tomography**  
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- LXV. **Evaluation of association between obstructive sleep apnea and coronary risk scores predicted by tomographic coronary calcium scoring in asymptomatic patients**  
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- LXVI. **Total white blood cell count is associated with the presence, severity and extent of coronary atherosclerosis detected by dual-source multislice computed tomographic coronary angiography**  
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- LXVII. **Effectiveness Best R-R Reconstruction Interval Determination Software for the Evaluation of Dual-Source Coronary CT Angiography Examinations**

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- I. **THE CHALLENGE OF TREATING PULMONARY VASCULITIS IN BEHCET'S DISEASE: TWO PEDIATRIC CASES**  
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- II. **ASSOCIATION BETWEEN VITAMIN D LEVELS AND CORONARY ARTERY, AORTIC VALVE AND BREAST ARTERY CALCIFICATION**  
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