HASAN BURAK ISLEYEN, MD, FACVC

Assistant Professor of Cardiology | Academic Editor, PLOS ONE

Istanbul Nisantasi University, Faculty of Medicine, Department of Cardiology
Bezmialem Foundation University Hospital, Department of Cardiology, Istanbul, Türkiye

Email: hasanburak.isleyen@nisantasi.edu.tr **Website:** https://isleyenkalp.com.tr **Mobile:** +90 506 932 59 82

ACADEMIC AND CLINICAL PROFILE

Cardiologist and academic editor working at the interface of cardio-oncology, acute and critical care cardiology, cardiovascular pharmacovigilance, real-world evidence, and clinical AI. Experience includes original research using large clinical databases, FAERS-based safety-signal analyses, explainable prediction models, journal editing, and peer review.

ACADEMIC AND CLINICAL APPOINTMENTS

December 2022–present Assistant Professor of Cardiology, Department of Cardiology, Faculty of Medicine, Istanbul Nisantasi University.

February 2026–present Cardiologist, Bezmialem Foundation University Hospital, Department of Cardiology, Istanbul.

EDUCATION AND TRAINING

13 July 2020 Board qualification in Cardiology, Istanbul Bagcilar Training and Research Hospital (specialty training commenced in 2015).

Specialty thesis: Assessment of Türkiye's Dependence on Imported Devices and Consumables Used in Coronary Angiography and Percutaneous Coronary Interventions. Supervisor: Ertugrul Okuyan, MD.

30 June 2014 Doctor of Medicine (MD), Erciyes University Faculty of Medicine (matriculated in 2008).

EDITORIAL APPOINTMENTS

October 2026–present Academic Editor, PLOS ONE (Public Library of Science).

September 2026–present Editorial Board Member, Türkiye Klinikleri Cardiovascular Sciences.

July 2026 Manuscript-level editorial assignment, Frontiers Media S.A.: FAERS pharmacovigilance study of ALK/ROS1 tyrosine kinase inhibitors (3–27 July 2026).

PEER-REVIEW SERVICE

Completed international peer reviews for Springer Nature, PLOS, and Dove Medical Press journals. Selected journals: BMC Cardiovascular Disorders; BMC Medical Imaging; PLOS ONE; Clinical Interventions in Aging; Patient Preference and Adherence; Journal of Inflammation Research; International Journal of Nephrology and Renovascular Disease; Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy; Therapeutics and Clinical Risk Management; International Journal of General Medicine; International Medical Case Reports Journal; Vascular Health and Risk Management; Infection and Drug Resistance.

RESEARCH PROJECT AND INTELLECTUAL PROPERTY

2026–present Principal Investigator, CardioOnco-SAFE: AI-Supported Clinical Decision-Support Prototype for Cardiovascular Adverse Events Associated with Cancer Therapies. TUSEB C4, preliminary application approved; comprehensive application under evaluation and funding decision pending.

Recorded project collaborators: Emir Hancioglu, Fahrettin Katkat, Zehra Sucuoglu Isleyen, Ali Arda Sozen, and Sercan Bulut.

2026 Patent application no. 2026/000366, Portable Transparent ECG Evaluation and Measurement Device (applicant/inventor: Hasan Burak Isleyen).

TEACHING

2026–2027 Undergraduate Cardiology, Turkish-medium instruction (2 teaching hours, fall semester).

2025–2026 Undergraduate Cardiology, Turkish-medium instruction (2 teaching hours, annual course).

2024–2025 Undergraduate Cardiology, Turkish-medium instruction (4 teaching hours, annual course).

SCIENTIFIC SOCIETY MEMBERSHIPS

Council on Cardiovascular Genomics (since 2026); European Association of Percutaneous Cardiovascular Interventions (EAPCI) (since 2026); European Association of Preventive Cardiology (EAPC) (since 2026); Council on Stroke (since 2026); Council for Cardiology Practice (since 2026); Working Group on Coronary Pathophysiology and Microcirculation (since 2026); Council on Hypertension (since 2026); Working Group on Myocardial Function (since 2026); Working Group on E-Cardiology / Council on Basic Cardiovascular Science (since 2026); ESC Council of Cardio-Oncology (since 2024); Association for Acute Cardiovascular Care (ACVC) (since 2024); Turkish Society of Cardiology (since 2021).

ORIGINAL PEER-REVIEWED JOURNAL ARTICLES

International peer-reviewed journals — 17 items

1. Yavuz ST, Bulut S, Sagir GN, Isleyen HB (2026). Tricuspid Regurgitation Severity and 1-Year Mortality in Echocardiography-Selected Adult Intensive Care Unit Patients: A Medical Information Mart for Intensive Care-IV-Echocardiogram Cohort Study. *Anatolian Journal of Cardiology.* doi:10.14744/AnatolJCardiol.2026.6797
2. Isleyen HB, Yavuz ST, Bulut S, Kizkapan F, Alioglu C, Sozen AA, Khanmohammadi M (2026). Multi-valvular burden score and one-year mortality in ICU patients undergoing echocardiography: an exploratory cohort study. *Echo Research & Practice. 13(1):36.* doi:10.1186/s44156-026-00139-x
3. Isleyen HB, Yavuz ST, Acikgoz N, Ozdemir R, Uluganyan M, Bulut S, Abanoz O, Danisman E, Okuyan E (2026). Thrombotic and ischemic event reporting with anticoagulant reversal agents: a multi-agent FAERS pharmacovigilance study. *Journal of Thrombosis and Thrombolysis.* doi:10.1007/s11239-026-03395-0
4. Isleyen HB, Yavuz ST, Bulut S, Ozcan S, Sozen AA, Uluganyan M, Okuyan E (2026). Temporal Validation of Explainable Machine Learning for 28-Day Mortality Prediction in Adults with Peripheral Artery Disease in Intensive Care. *Artery Research.* doi:10.1007/s44200-026-00131-0
5. Isleyen HB, Yavuz ST, Bulut S, Kizkapan F, Alioglu C, Sozen AA, Khanmohammadi M (2026). Early serum creatinine trajectory phenotypes during the first 72 h after ICU admission and 1-year mortality in PCI-treated acute myocardial infarction: a retrospective cohort study. *Renal Replacement Therapy. 12:53.* doi:10.1186/s41100-026-00745-9
6. Isleyen HB, Yavuz ST, Bulut S, Kizkapan F, Alioglu C, Sunger E, Okuyan E (2026). ICU-onset atrial fibrillation surrogate, thrombocytopenia, and short-term outcomes in patients with cancer requiring intensive care: a retrospective ICU cohort study. *Cardio-Oncology. 12(1).* doi:10.1186/s40959-026-00548-1
7. Isleyen HB, Yavuz ST, Bulut S, Kizkapan F, Alioglu C, Sozen AA, Khanmohammadi M (2026). Troponin T, Left Ventricular Ejection Fraction, and Tricuspid Regurgitation Velocity for Biomarker- and Echocardiography-Based Risk Stratification in Critically Ill Patients with Heart Failure. *International Journal of Molecular Sciences. 27(12).* doi:10.3390/ijms27125339
8. Kizkapan F, Isleyen HB, Okuyan E (2026). Association of End-of-Procedural Angiographic Response with 1-Year Mortality after Primary Percutaneous Coronary Intervention in ST-Segment Elevation Myocardial Infarction: A Retrospective Cohort Study. *Eurasian Journal of Medical Advances. 5(3):126-131.* doi:10.14744/ejma.269123
9. Isleyen HB, Yavuz ST, Bulut S, Kizkapan F, Alioglu C, Eren NZ, Sozen AA, Khanmohammadi M (2026). Association of left ventricular end-systolic volume with peri-echocardiographic acute kidney injury proxy beyond ejection fraction: a retrospective linked echocardiographic cohort study. *BMC Cardiovascular Disorders. 26(1).* doi:10.1186/s12872-026-06133-9
10. Isleyen HB, Okuyan E (2026). Perceptions of Interventional Cardiologists in Türkiye Toward Domestic Coronary Devices: A Web-Based Cross-Sectional Survey. *Eurasian Journal of Medical Advances. 5(2):59-65.* doi:10.14744/ejma.260659
11. Isleyen HB, Bulut S, Abanoz O, Danisman E, Kerimzade K, Boukhemis L, Kizkapan F, Alioglu C, Eren NZ, Sozen AA, Khanmohammadi M, Yavuz ST (2026). Early echocardiographic elevated filling-pressure phenotype and in-hospital mortality in critically ill adults with preserved left ventricular ejection fraction: a retrospective cohort study. *BMC Cardiovascular Disorders. 26(1).* doi:10.1186/s12872-026-05965-9

12. Isleyen HB, Yavuz ST, Bulut S, Kizkapan F, Alioglu C, Eren NZ, Sozen AA, Khanmohammadi M (2026). Methodological discordance between apical four-chamber and biplane Simpson's method for left ventricular ejection fraction: a retrospective study of a credentialed echocardiographic dataset. *BMC Cardiovascular Disorders. 26(1).* doi:10.1186/s12872-026-05952-0
13. Yavuz ST, Isleyen HB, Inan D, Ozsaray FZ, Sahin KK, Ozanalp C, Hamkan E, Genc D, Hancioglu E, Kilicgedik A (2026). Prevalent Sodium-Glucose Co-Transporter 2 Inhibitor Use, Baseline Laboratory Profile, and Clinical Outcomes in a Real-World Heart Failure Cohort. *Archives of the Turkish Society of Cardiology. 54(7).* doi:10.5543/tkda.2026.27385
14. Yavuz ST, Isleyen HB, Inan D, Yildiz U, Sahin KK, Tekin M, Kertmen M, Turkmen OF, Sagir GN, Kilicgedik A (2026). Association of an Exploratory Iron Index Score With Observed NT-proBNP Trajectory in SGLT2-Treated Heart Failure and Clinical Outcomes in a Broader Cohort. *Archives of the Turkish Society of Cardiology.* doi:10.5543/tkda.2026.79039
15. Isleyen HB, Kanar BG, Akcay G, Demir S, Kanar HS, Yazicioglu M (2025). Evaluation of the Choroidal Thickness and Retinal Nerve Fiber Layer Thickness in Patients with Vasovagal Syncope. *Journal of Personalized Medicine. 15(6).* doi:10.3390/jpm15060259
16. Barman HA, Kahyaoglu S, Durmaz E, Atici A, Gulsen K, Yavuz ST, Isleyen HB, Yildirim MR, Gungor B, Okuyan E, Sahin I (2020). The CHADS-VASc score is a predictor of no-reflow in patients with non-ST-segment elevation myocardial infarction. *Coronary Artery Disease. 31(1):7-12.* doi:10.1097/MCA.0000000000000781
17. Vural M, Kosar MF, Kerimoglu O, Kizkapan F, Kahyaoglu S, Yavuz ST, Isleyen HB (2017). Cardiopulmonary resuscitation knowledge among nursing students: a questionnaire study. *Anatolian Journal of Cardiology. 17(2):140-145.* doi:10.14744/AnatolJCardiol.2016.7156

National peer-reviewed journals — 3 items

1. Isleyen HB, Bulut S, Kizkapan F, Alioglu C, Sozen AA, Khanmohammadi M, Yavuz ST, Okuyan E (2026). Early Creatinine-Defined Acute Kidney Injury and 1-Year Mortality in Critically Ill AMI-Coded Patients Meeting Premature-Age Criteria: A MIMIC-IV Retrospective Cohort Study. *Archives of the Turkish Society of Cardiology. 54(1):172-182.* doi:10.5543/tkda.2026.95875
2. Isleyen HB, Okuyan E (2026). Renal-Metabolic Reserve Index for Cardiorenal Risk Stratification in Critically Ill Patients with Sepsis. *Kocaeli University Journal of Health Sciences. 12(3):323-328.* doi:10.30934/kusbed.1948243
3. Isleyen HB, Bulut S, Yavuz ST (2026). Admission Glucose-RDW Hemoglobin Index and In-Hospital Mortality in Critically Ill Patients with Acute Myocardial Infarction. *Bagcilar Medical Bulletin.* doi:10.4274/bmb.galenos.2026.99815

LETTERS TO THE EDITOR AND SCHOLARLY CORRESPONDENCE

1. Isleyen HB, Sucuoglu Isleyen Z (2026). Competing mortality and the interpretation of similar non-fatal MACE risk with second-generation BTK inhibitors. *European Heart Journal - Cardio-Oncology.* doi:10.1093/ehjco/aabag014
2. Isleyen HB, Hancioglu E, Yavuz ST (2026). Vericiguat in Experimental Atrial Fibrillation: Distinguishing Remodeling from Rhythm Control. *Anatolian Journal of Cardiology.* doi:10.14744/AnatolJCardiol.2026.6998
3. Isleyen HB, Bulut S (2026). Does a Composite Plaque Phenotype Capture Vulnerability or Atherosclerotic Burden?. *JACC: Basic to Translational Science. 11(12).* doi:10.1016/j.jacbts.2026.101747
4. Isleyen HB, Bulut S (2026). Temporal interpretation of right ventricular strain after pulmonary embolism. *European Heart Journal - Imaging Methods and Practice. 4(4).* doi:10.1093/ehjimp/qyag174
5. Isleyen HB, Bulut S (2026). Cross-Sectional Mediation and Biomarker Interpretation in the Report by Yan and Gao. *Anatolian Journal of Cardiology.* doi:10.14744/anatoljcardiol.2026.6665
6. Isleyen HB, Bulut S (2026). Calibration and Validation Reporting for KAN-Based No-Reflow Prediction After Primary PCI. *Archives of the Turkish Society of Cardiology. 54(5):454-455.* doi:10.5543/tkda.2026.73373
7. Isleyen HB, Bulut S, Kizkapan F, Alioglu C (2026). Interpreting Early Reticulocyte Response After Intravenous Iron Therapy in Heart Failure. *Anatolian Journal of Cardiology. 30(10):713-714.* doi:10.14744/AnatolJCardiol.2026.6518
8. Isleyen HB, Bulut S, Yavuz ST, Hancioglu E (2026). Atherogenic Index of Plasma in CTO PCI: From Construct Definition to Predictive Validation. *Archives of the Turkish Society of Cardiology. 54(7):641-642.* doi:10.5543/tkda.2026.42495

AUTHORED BOOK CHAPTERS

1. Isleyen HB (2026). Cardiac Side Effects of Oncological Treatments and Their Management in Geriatric Cancer Patients. In: *Approach to Geriatric Oncology Patients.* Türkiye Klinikleri. ISBN: 978-625-91269-7-5. P. Soysal (ed.); English-language chapter.

2. Isleyen HB (2026). Risk Stratification and Early Discharge Strategies in High-Risk Acute Coronary Syndrome Patients. In: *Cardiovascular Emergencies.* Türkiye Klinikleri. ISBN: 978-625-5439-08-6. E. Ipek (ed.); English-language chapter.
3. Isleyen HB (2026). Left Atrial Appendage and Its Neurohormonal Effects. In: *Left Atrial Appendage Closure.* Akademisyen Publishing. ISBN: 978-625-375-734-2. Co-author: F. Erin; translated chapter/book titles; originally in Turkish.
4. Isleyen HB (2025). Aorta and Peripheral Artery Diseases. In: *Cardio-Rheumatology.* Akademisyen Publishing. ISBN: 978-625-3754310. Y. Z. Sener (ed.); English-language chapter.
5. Isleyen HB (2023). Monitoring Patients with Diabetes Mellitus in Cardiology Practice. In: *Current Medical Treatment Approaches in Cardiovascular Diseases.* Akademisyen Publishing. ISBN: 978-625-399-404-4. T. Karabag (ed.); translated chapter/book titles; originally in Turkish.
6. Isleyen HB (2023). Induction of Ventricular Tachycardia and Ventricular Fibrillation During Ablation. In: *Ventricular Arrhythmias and Sudden Cardiac Death.* Akademisyen Publishing. ISBN: 978-625-399-316-0. M. Oksul (ed.); translated chapter/book titles; originally in Turkish.
7. Isleyen HB (2022). SGLT2 Inhibitors. In: *Heart Failure: Treatment Approaches from Past to Present.* Nobel Medical Publishing. ISBN: 978-605-335-681-3. M. Zoghi (ed.); translated chapter/book titles; originally in Turkish.
8. Isleyen HB (2021). Venous Pressures. In: *Cardiac Examination.* Istanbul Medical Publishing. ISBN: 978-625-7291-31-6. Co-author: S. T. Yavuz; translated chapter/book titles; originally in Turkish.
9. Isleyen HB (2021). Approach to Cardiac Toxicities Associated with Cancer Treatment. In: *Supportive Therapies and Symptom Management in Oncology.* Nobel Academic Publishing. ISBN: 978-625-7401-53-1. Translated chapter/book titles; originally in Turkish.
10. Isleyen HB (2020). General Cardiac Evaluation of Patients with Cancer. In: *Cardiopulmonary Approaches in Oncology.* Akademisyen Publishing. ISBN: 9786257275170. A. M. Sedef (ed.); translated chapter/book titles; originally in Turkish.

PRESENTATIONS AT INTERNATIONAL SCIENTIFIC MEETINGS

1. Isleyen HB (2016). Pulmonary vein thrombosis, a rare cause of dyspnea. *32nd Turkish Cardiology Congress with International Participation.* Oral abstract.
2. Isleyen HB (2020). Pericardiocentesis. *7th Cardiology Spring Update Meeting, Assistant Session: Cardiology Assistant in Intensive Care.* Invited lecture / full-text contribution.
3. Isleyen HB (2026). Cardiovascular Risk Stratification with Artificial Intelligence: Clinical Integration of Machine-Learning Models. *Congress on Responsible AI Use for Academics.* Invited presentation; translated title.
4. Isleyen HB (2026). Primary Care and Community Atrial Fibrillation Screening: Feasibility, Yield, and Clinical Impact. *8th International Congress on Innovative Approaches in Medicine and Health Sciences.* Oral presentation / full text.
5. Isleyen HB (2026). Dissociation Between Invasive Hemodynamic Decongestion and Patient-Reported Health Status After Atrial Flow Regulator Implantation. *World Heart Failure Society Congress.* Oral abstract.
6. Isleyen HB (2026). Cardiac and Hemodynamic Support, Prolonged Empiric Antibiotic Therapy, and Intensive Care Outcomes in Suspected Culture-Negative Neonatal Sepsis. *8th International Health Sciences Congress of the Thrace Universities Union.* Oral abstract; translated title.
7. Isleyen HB (2026). Development and Temporal Validation of the SAKARYA Model for Early Cardiorenal Risk Stratification in Critically Ill Adults with an Acute Heart Failure Phenotype. *7th International Ibn-i Sina Medicine and Health Sciences Congress.* Oral abstract.
8. Isleyen HB (2026). Statin Use for Primary Prevention in Family Practice: Recent Evidence and Practical Gaps. *4th International Eurasia Health Sciences Congress.* Oral abstract.
9. Isleyen HB (2025). Preoperative Cardiac Evaluation in Urological Patients. *14th Eurasian Uro-Oncology Congress.* Invited lecture / abstract.
10. Isleyen HB (2018). Arrhythmogenic Right Ventricular Dysplasia Without MRI Findings: Recurrent Ventricular Tachyarrhythmia Diagnosed by Right Ventriculography. *34th Turkish Cardiology Congress with International Participation.* Oral abstract.

OTHER CONGRESS PRESENTATIONS RECORDED IN THE SOURCE CV

1. Isleyen HB (2026). Does the Metabolic-Atherogenic Risk Profile Reflect the Burden of Acute Cardiac Decompensation in Infective Endocarditis?. *5th National Heart Failure Meeting of the Turkish Society of Cardiology.* Oral abstract.
2. Isleyen HB (2026). Association of the Modified Glasgow Prognostic Score with Acute Heart Failure and Mortality in Infective Endocarditis. *5th National Heart Failure Meeting of the Turkish Society of Cardiology.* Oral abstract.
3. Isleyen HB (2022). Assessment of Türkiye's Dependence on Imported Devices and Consumables Used in Coronary Angiography and Percutaneous Coronary Intervention. *1st International Congress on Innovative Approaches in Medicine and Health Sciences.* Full-text oral presentation; classified under national presentations in source CV.

ADDITIONAL ACADEMIC ACTIVITIES

October 2024 Instructor, Basic Electrocardiography Course, Istanbul Nisantasi University (3–4 October 2024).

May 2025 Panelist, coronary bifurcation interventions and contemporary stent techniques; fourth session on the crush technique, Liv Hospital Vadistanbul, Istanbul (1 May 2025).

July 2017–August 2018 Resident Physician Representative for Internal Departments, Istanbul Bagcilar Training and Research Hospital (as documented in the institutional CV).

DOCUMENTED PEER-REVIEW ACTIVITY (2026)

PLOS ONE — completed review recorded on 16 May 2026.

Clinical Interventions in Aging — completed review recorded on 13 June 2026; additional service documented in 2026.

Infection and Drug Resistance — completed review recorded on 30 June 2026.

Vascular Health and Risk Management — completed review recorded on 8 July 2026.

International Medical Case Reports Journal — completed review recorded on 30 July 2026.

BMC Cardiovascular Disorders — completed review in July 2026; multiple review rounds in August 2026.

BMC Medical Imaging — completed review in August 2026; additional review service documented September–October 2026.

International Journal of General Medicine — 2026 reviewer service recorded.

Therapeutics and Clinical Risk Management — 2026 reviewer service recorded.

Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy — 2026 reviewer service recorded.

International Journal of Nephrology and Renovascular Disease — 2026 reviewer service recorded.

Journal of Inflammation Research — 2026 reviewer service recorded.

Patient Preference and Adherence — 2026 reviewer service recorded.