



Mihnea Istrate

WORK EXPERIENCE

ASSOCIATE TEACHING ASSISTANT – IULIU HATIEGANU UNIVERSITY OF MEDICINE AND PHARMACY, DEPARTMENT OF CARDIOLOGY – 01/10/2020 – Current – CLUJ-NAPOCA, ROMANIA

- Clinical and interventional cardiology classes with 5th-year students from the Romanian, English, and French sections.
- I have occupied this position between October 2020 and July 2024, and again starting February 2026

CARDIOLOGY FELLOW – NICULAE STANCIOIU HEART INSTITUTE – 01/01/2020 – 31/01/2026 – CLUJ-NAPOCA, ROMANIA

- National Fellowship Competition, December 2019, 1st position nationwide from a total of 6282 candidates (a score of 942 out of 950).
- Finished my 6 years Cardiology fellowship, obtaining board certification after passing the specialty exam with a score of 9.50 out of 10.

EDUCATION AND TRAINING

01/10/2020 – CURRENT Cluj-Napoca, Romania

PHD STUDENT Iuliu Hatieganu University of Medicine and Pharmacy

2012 – 2019 Cluj-Napoca, Romania

MEDICAL DOCTOR Iuliu Hatieganu University of Medicine and Pharmacy

09/2017 – 03/2018 Grenoble, France

ERASMUS STUDENT Université Grenoble Alpes - Faculté de Médecine de Grenoble

2008 – 2013 Medias, Romania

BACCALAUREATE DEGREE IN MATHEMATICS AND INFORMATICS Scoala Nationala de Gaz

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C2	C1
FRENCH	B2	B2	B1	B2	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user



● PUBLICATIONS

ISI - In Extenso

1. Dregoesc IM, Cramariuc D, Wilsgaard T, **Istrate M** et al. Prognostic value of N-terminal pro-B-type natriuretic peptide and C reactive protein testing in patients with acute ST-segment elevation myocardial infarction. *Open Heart*. 2026;13(1):e003845. Published 2026 Jan 16. doi:10.1136/openhrt-2025-003845
2. Solomonean AG, Dregoesc MI, **Istrate M**, et al. Dynamic arterial lactate values are associated with 30-day mortality in patients with acute myocardial infarction and cardiogenic shock on intra-aortic balloon pump circulatory support. *Cardiology*. Published online January 17, 2025. doi:10.1159/000543495
3. **Istrate M**, Dregoesc MI, Bolboaca SD, Solomonean AG, Botis C, Stef A, Hagi R, Moț ȘDC, Bindea DI, Oprea A, Trifan CA, Iancu AC. The Influence of the Learning Curve on Clinical Outcomes in Balloon-Expandable versus Self-Expandable Transfemoral Transcatheter Aortic Valve Implantation. *Cardiology*. 2023;148(4):335-346. doi:10.1159/000531401
4. Dregoesc MI, **Istrate M**, Sandu I, Iancu AC. Massive biventricular thrombosis after transfemoral transcatheter aortic valve implantation. *European Heart Journal*. 2022;43(16):1599-1599. doi:10.1093/eurheartj/ehac023
5. **Istrate M**, Dregoesc MI, Bolboacă SD, et al. The effect of the learning curve on paravalvular aortic regurgitation and mid-term mortality in transfemoral transcatheter aortic valve implantation. *Echocardiography*. 2022;39(2):204-214. doi:10.1111/echo.15289
6. Dregoesc MI, Bolboacă SD, Dorolțan PM, **Istrate M**, Marc MC, Iancu AC. Long-Term Mortality After Renal Artery Stenting in Patients With Severe Atherosclerotic Renal Artery Stenosis and High-Risk Clinical Manifestations. *Am J Hypertens*. 2021;34(8):880-887. doi:10.1093/ajh/hpab027
7. **Istrate M**, Mișu C, Șușman S, et al. Highlighting the R1 and R2 VEGF receptors in placentas resulting from normal development pregnancies and from pregnancies complicated by preeclampsia. *Rom J Morphol Embryol*. 2018;59(1):139-146.
8. Melincovici CS, Boșca AB, Șușman S, Mărginean M, Mișu C, **Istrate M**, Moldovan IM, Roman AL, Mișu CM. Vascular endothelial growth factor (VEGF) - key factor in normal and pathological angiogenesis. *Rom J Morphol Embryol*. 2018;59(2):455-467.

BDI - In Extenso

1. **Istrate M**, Dregoesc MI, Buiga VS, Redfern J, & Iancu AC. Early cognitive and quality of life changes after transfemoral transcatheter aortic valve replacement. *Medicine and pharmacy reports*, 98(3), 311-319. <https://doi.org/10.15386/mpr-2885>.
2. Bucuri C, Măluțan A, Ciortea R, Nicula RL, Mișu C, **Istrate M**, Mișu D. Predictive factors of early pregnancy failure. A literature review. *Gineco.eu*. 12. 95-98. 10.18643/gieu.2016.95

Presentations - congress abstracts

1. **M Istrate**, VS Buiga, S Manole, T Larsen, E Kovacs, S Ichim, ID Popa, AB Țigu, T Steigen, Ø Bleie, D Cramariuc, AC Iancu, MI Dregoesc. Systemic inflammation in mechanically reperfused STEMI is associated with left ventricular systolic dysfunction at follow-up, by cardiac magnetic resonance imaging. EuroThrombosis and EuroVessels 2024, Bologna, 10-12 October 2024.
2. VS Buiga, **M Istrate**, E Kovacs, S Ichim, ID Popa, T Steigen, Ø Bleie, D Cramariuc, AC Iancu, MI Dregoesc. Inflammatory markers are associated with mid-term mortality in patients with acute STEMI and concomitant COVID-19 infection. EuroThrombosis and EuroVessels 2024, Bologna, 10-12 October 2024.
3. MI Dregoesc, **M Istrate**, DI Bindea, A Stef, AG Solomonean, AC Iancu. The learning curve and clinical outcomes in transfemoral TAVI according to prosthesis design. PCR London Valves 2022, London, 27-29 November 2022.
4. **M. Istrate**, M.I. Dregoesc, C. Botiș, A. Ștef, D.I. Bindea, A. Oprea, C.A. Trifan, A.C. Iancu. Volumul procedural și rezultatele clinice în implantarea transfemurală, transcateter de valvă aortică. The 61st



National Congress of Cardiology, Sinaia, September, 21 -24 2022. Romanian Journal of Cardiology, Vol. 32 Supplement 2022.

5. D Mihiu, D Diculescu, R Ciortea, C Porumb, **M Istrate**, P Ciprian, A Măluțan. Endometrioza postoperație cezariană. Al 4-lea Congres al Societății Române de Ultrasonografie în Obstetrică și Ginecologie (SRUOG), Iasi, 14-17.04.2016. Ginecologia.ro (supl):47.

● CONFERENCES AND SEMINARS

09/2025 Sinaia, Romania

National Cardiology Congress 2025

Invited speaker

Presented papers:

1. Myocardial Infarction in the Young: A Shared Nightmare
2. An arterial puzzle (A complex case of mesenteric ischemia)

05/2025 Cluj-Napoca, Romania

5th National Conference on "Advances in Cardiology and Cardiovascular Surgery"

Invited speaker

Presented papers:

1. Chimney Stenting after TAVR: Plan ahead or pay the price
2. A care case of DSA type "Unroofed coronary sinus"

03/2025 Sibiu, Romania

Cardiologia – o privire dincolo de ghidurile de practică clinică

Invited speaker

Presented paper: When the chest pain is more than it seems

10/2024 Bologna

EuroThrombosis and EuroVessels 2024

Presented papers:

1. Systemic inflammation in mechanically reperfused STEMI is associated with left ventricular systolic dysfunction at follow-up, by cardiac magnetic resonance imaging
2. Inflammatory markers are associated with mid-term mortality in patients with acute STEMI and concomitant COVID-19 infection

12/2023 Cluj Napoca

Cluj Cardiology 2023

Invited speaker

Presented paper: Complex Electrocardiograms – To pace or not to pace....that is the question

11/2022 London

PCR London Valves 2022

Presented paper: The learning curve and clinical outcomes in transfemoral TAVI according to prosthesis design

09/2022 Sinaia, Romania

National Cardiology Congress 2022

Presented paper: Case sequence number and clinical outcomes in transfemoral transcatheter aortic valve implantation



05/2022 Cluj Napoca

Cluj Cardiology 2022

Invited speaker

Presented paper: Cardiac Conduction and Rhythm Disturbances in a Patient with Postinfectious Polyradiculoneuritis and Unilateral Diaphragmatic Paralysis

09/2021 Sinaia, Romania

National Cardiology Congress 2021

Invited speaker

Presented paper: Giant Left Main Aneurysm

12/2021 Cluj Napoca

Cluj Cardiology 2021

Invited speaker

Presented paper: A case of Non-Cardiac Acute Pulmonary Edema

05/2017 Oradea, Romania

The 15th National Simposion of Microscopic Morphology

Presented paper: Evidentierea receptorilor R1 si R2 la nivelul placentelor provenite din sarcini cu evolutie normala si preeclampsie

12/2016 Cluj Napoca

Days of the "Iuliu Hațieganu" University of Medicine and Pharmacy

Presented paper: Contribuția imunohistochimiei în investigarea etiopatogeniei preeclampsiei

● **HONOURS AND AWARDS**

2024

Travel award – European Society of Cardiology WG on Thrombosis

For the paper: Systemic inflammation in mechanically reperfused STEMI is associated with left ventricular systolic dysfunction at follow-up, by cardiac magnetic resonance imaging.

2019

1st Position in the National Fellowship Exam – Ministry of Health

National Fellowship Exam, december 2019, 1st position nationwide from a total of 6282 candidates

2017

1st Prize - The 15th National Simposion of Microscopic Morphology – Romanian Society of Morphology

For the paper: Highlighting the R1 and R2 VEGF receptors in placentas resulting from normal development pregnancies and from pregnancies complicated by preeclampsia

2016

3rd Place in Ideas of Invention Competition – "Iuliu Hațieganu" University of Medicine and Pharmacy

For the paper: The contribution of immunochemistry in the investigation of preeclampsia



2015

Finalist Telekom Scholarships – Telekom Scholarships

2012

Participation in the National Chemistry Olympics – Ministry of Education

2010

Participation in the National Informatics Olympics – Ministry of Education

● **NETWORKS AND MEMBERSHIPS**

CURRENT

Romanian College of Physicians

CURRENT

European Society of Cardiology

CURRENT

Romanian Society of Cardiology

CURRENT

Interventional Cardiology Working Group of the Romanian Society of Cardiology

CURRENT

European association of Percutaneous Cardiovascular Interventions

CURRENT

Association for Acute Cardiovascular Care (ACVC)

CURRENT

European Association of Cardiovascular Imaging

CURRENT

Heart Failure Association of the ESC

● **SKILLS**

Microsoft Office | C,C++ C# | Windows/macOS/Linux | ORACLE

● **DRIVING LICENCE**

Driving Licence: AM

Driving Licence: B1

Driving Licence: B

● **RESEARCH GRANTS**

2020 – 2024

REDEFINE-HF: EEA – Norway Grants: Heart failure prevention – The Romanian Registry for post-myocardial infarction left ventricular adverse remodeling

EEA – Norway Grants: Heart failure prevention – The Romanian Registry for post-myocardial infarction left ventricular adverse remodeling (REDEFINE-HF)

Project director – Prof.Dr.Adrian Iancu



Buget – 2.500.000 Euro

2016 – 2018

Highlighting the R1 and R2 VEGF receptors in placentas resulting from normal development pregnancies and from pregnancies complicated by preeclampsia

Position: Grant Director

Financed by Iuliu Hatieganu University of Medicine and Pharmacy, nr. 4995/4/08.03.2016

● **CLINICAL TRIALS AND MULTICENTRIC REGISTRIES**

2022 – 2024

Sub-Investigator OCEANIC-AF

OCEANIC – AF: A Multicenter, International, Randomized, Active Comparator-controlled, Double-blind, Double-dummy, Parallel-group, 2-arm, Phase 3 Study to Compare the Efficacy and Safety of the Oral FXIIa Inhibitor Asundexian (BAY 2433334) With Apixaban for the Prevention of Stroke or Systemic Embolism in Male and Female Participants Aged 18 Years and Older With Atrial Fibrillation at Risk for Stroke

2023 – 2025

Investigator EuroHeart Registry

A national, prospective, observational, multicentric registry for ACS patients.

● **PROFESSIONAL TRAINING**

2023

EAPCI-PCR Fellows Course

Paris, France

● **ORGANISATIONAL SKILLS**

2020 – 2025

Cardiology Fellows coordinator

Workshop Department Coordinator - Medicalis Congress 2018

Cluj Napoca , 02/02/2026