



Gherasie Flavius-Alexandru

ABOUT ME

I am a dedicated young doctor with a strong passion for interventional cardiology, particularly in performing complex coronary procedures such as bifurcations, left main disease, antegrade and retrograde CTOs, and managing calcified lesions. Currently, I am an Interventional Cardiologist at "Bagdasar-Arseni" Emergency Hospital, while also gaining invaluable hands-on experience at The University Emergency Hospital of Bucharest. My ultimate goal is to become a highly skilled specialist in this field.

WORK EXPERIENCE

01/2023 – CURRENT Bucharest, Romania

FELLOWSHIP IN INTERVENTIONAL CARDIOLOGY THE UNIVERSITY EMERGENCY HOSPITAL OF BUCHAREST

I specialize in providing emergency procedures for reperfusion of acute myocardial infarction, available 24/7 in a PCI-capable center. We offer complete management services for patient evaluation, information, techniques, and follow-up. This includes advanced techniques such as imaging, physiology, adverse clinical presentations and adverse lesion scenarios like calcification, degenerated grafts, chronic total occlusions (CTOs), and bifurcations.

18/09/2023 – CURRENT Bucharest, Romania

ATTENDING PHYSICIAN INTERVENTIONAL CARDIOLOGY "BAGDASAR-ARSENI" EMERGENCY HOSPITAL

Perform diagnostic and interventional coronary procedures including complex bifurcations, left main, calcified lesions, and CTOs.

Involved in emergency 24/7 PCI call system for acute coronary syndromes.

Perform advanced techniques such as **DCB-only PCI, IVUS- and FFR-guided interventions, and antegrade and retrograde CTO procedures.**

Collaborate with multidisciplinary teams for complex cardiovascular cases and continuous cathlab development.

Performed the first Reverse CART CTO PCI in the history of Bagdasar-Arseni Hospital (2024) — A complex RCA CTO was successfully recanalized using a retrograde approach via septal collaterals and advanced reverse CART technique. This marked a major leap forward in the hospital's complex PCI capabilities and set a procedural precedent.

We are working closely with other healthcare team members, including cardiologists, cardiovascular surgeons, and other specialists, to ensure comprehensive and coordinated care for patients with complex cardiovascular issues.

Our goal is to contribute to research in interventional cardiology and educate medical students, residents, and fellows on the latest developments and best practices in the field.

01/01/2019 – 31/08/2022 Bucharest, Romania

RESIDENT DOCTOR CARDIOLOGY ELIAS EMERGENCY UNIVERSITY HOSPITAL

I provided clinical cardiology services, including patient care and examinations such as transthoracic echocardiography, exercise testing, Holter ECG, and blood pressure examinations. I also performed diagnostic and therapeutic interventions in interventional cardiology and primary interventions in acute myocardial infarction patients.

Throughout my residency, I took part in over 3,000 interventional cardiology interventions, with 2,000 of those being as an independent operator. I gained experience in various diagnostic procedures, such as coronary, lower limb, carotid angioplasty, and primary and elective angioplasty. This included left main and bifurcation angioplasty, using techniques like TAP and DK Crush. I also gained experience in antegrade CTOs and lower limb angioplasties. Our laboratory primarily used the radial approach for over 95% of the interventions.

01/05/2016 – 11/2018 Bucharest, Romania

RESIDENT DOCTOR INTERNAL MEDICINE EMERGENCY HOSPITAL

Internal medicine and cardiology patients care activity.

01/07/2013 – 16/07/2013 Tg Mures, Romania

ADVANCE LIFE SUPPORT TRAINING SMURD

● EDUCATION AND TRAINING

20/03/2025 – 21/03/2025 Patras, Greece

OPTIMIZING LOWER LIMB TREATMENT WORKSHOP Abbott Education Network Vascular

Center of Excellence – Optimizing Lower Limb Treatment Through Endovascular Procedures

Patras, Greece | March 20–21, 2025

Participated in a two-day intensive course focused on advanced endovascular management of lower limb arterial disease, including:

- Latest strategies for **SFA, popliteal, and below-the-knee (BTK)** interventions
- Use of **vascular mimetic implants** and **orbital atherectomy** in complex lesions
- Hands-on simulation-based training with atherectomy devices, vessel closure systems, and endovascular tools
- Clinical case discussions led by experts from the University of Patras

Course Directors: Prof. D. Karnabatidis, Prof. K. Katsanos, Assoc. Prof. P. Kitrou

14/11/2024 – 15/11/2024 Belgrade, Serbia

CENTER OF EXCELLENCE – ROTA/IVUS/FFR WORKSHOP Boston Scientific

Dedinje Institute of Cardiovascular Disease, Belgrade, Serbia

Participated in a high-level interventional cardiology training focused on advanced techniques in:

- **Rotational atherectomy (ROTA)** – calcium treatment strategies and complication management
- **Intravascular ultrasound (IVUS)** – imaging in left main, bifurcations, and calcified lesions
- **Fractional Flow Reserve (FFR)** – physiological lesion assessment and bifurcation optimization

The course combined **hands-on training, live case observations, and expert case reviews**, guided by senior operators from the Dedinje cathlab, a 24/7 PCI center performing over 2200 annual procedures.

29/05/2024 – 14/11/2024 Belgrade, Serbia

GEN Z PCI FELLOWSHIP PROGRAM Abbott Education Network Cardiovascular

The **GenZ PCI Fellowship Program**, developed and supported by **Abbott**, is a premier educational initiative aimed at training and empowering the next generation of interventional cardiologists. Designed specifically for young physicians at the beginning of their interventional careers, the program focuses on advancing both theoretical and practical skills in contemporary percutaneous coronary intervention (PCI).

Through a combination of expert-led seminars, live case discussions, interactive workshops, and international networking opportunities, GenZ PCI provides fellows with in-depth exposure to complex coronary interventions, including bifurcation stenting, chronic total occlusions (CTO), use of intravascular imaging (IVUS/OCT), and coronary physiology.

The program is mentored by internationally recognized leaders in interventional cardiology and offers fellows a chance to gain insights into evolving technologies and techniques, including drug-eluting stent platforms, drug-coated balloons (DCB), and the future direction of PCI.

Participants benefit not only from structured clinical education but also from the opportunity to engage with a global community of peers and mentors, fostering collaboration, innovation, and excellence in patient care. GenZ PCI aims to cultivate highly skilled, forward-thinking specialists equipped to lead the future of interventional cardiology.

Course director: Prof. MD. Goran Stankovic

04/10/2023 – 04/10/2023 Paris, France

DCB PCI IN CLINICAL PRACTICE: NEGOTIATING THE LEARNING CURVE The European Board for Accreditation in Cardiology

Website www.pcronline.com

15/05/2023 – 15/05/2023 Paris, France

EAPCI-PCR FELLOWS COURSE European Board for Accreditation in Cardiology

Website www.pcronline.com

11/04/2023 – 13/04/2023 Aalst, Belgium

THE PHYSIOLOGY COURSE 2023 CoreAalst, endorsed by ESC

Website www.coreaalst.com

09/03/2023 – 09/03/2023 Paris, France

DISTAL LEFT MAIN BIFURCATION RESTENOSIS: HOW SHOULD I TREAT? The European Board for Accreditation in Cardiology

Website www.pcronline.com

24/01/2023 – 24/01/2023 Paris, France

DK CRUSH FOR DISTAL LM BIFURCATION: PEARLS AND PITFALLS The European Board for Accreditation in Cardiology

Website www.pcronline.com

20/12/2022 – 20/12/2022 Paris, France

DCB, WHAT YOU EXPECT TO SEE AT FOLLOW-UP FROM A "DIFFERENT" APPROACH TO PCI European Board for Accreditation in Cardiology

Website www.pcronline.com

13/12/2022 – 13/12/2022 Paris, France

OSTIAL CX DURING CROSSOVER LM STENTING: WHEN AND HOW TO TREAT European Board for Accreditation in Cardiology

Website www.pcronline.com

26/11/2022 – 26/11/2022 London, United Kingdom

PCR LONDON VALVES FELLOWS TAVI COURSE EAPCI

15/11/2022 – 15/11/2022 Paris, France

ECHOCARDIOGRAPHIC IMAGING FOR TRANSCATHETER TRICUSPID INTERVENTION European Board for Accreditation in Cardiology

02/11/2022 – 02/11/2022 London, United Kingdom

CTO PCI COMPLICATIONS OPTIMA

Website wondrmedical.com

01/11/2022 – 01/11/2022 London, United Kingdom

POST CABG CTOS OPTIMA

Website wondrmedical.com

14/09/2022 – 14/09/2022 London, United Kingdom

IN-STENT CTOS OPTIMA

Website wondrmedical.com

27/09/2022 – 27/09/2022 London, United Kingdom

RETROGRADE CTO PCI PART 1: TIME TO GO RETRO OPTIMA

Website wondrmedical.com

27/09/2022 – 27/09/2022 London, United Kingdom

RETROGRADE CTO PCI PART 2: COMPLETING THE CASE OPTIMA

Website wondrmedical.com

21/09/2022 – 21/09/2022 Paris, France

THE IMPORTANCE OF HEMODYNAMIC PERFORMANCE IN TRANSCATHETER AORTIC VALVES European Board for Accreditation in Cardiology

06/09/2022 – 06/09/2022 London, United Kingdom

ANTEGRADE DISSECTION RE-ENTRY PART 2: STEP BY STEP AND TROUBLESHOOTING OPTIMA

Website wondrmedical.com

31/08/2022 – 31/08/2022 London, United Kingdom

ANTEGRADE DISSECTION RE-ENTRY PART 1: TERMINOLOGY AND EQUIPMENT OPTIMA

Website wondrmedical.com

2019 – CURRENT Bucharest, Romania

PHD THESIS-ACUTE CORONARY SYNDROME AND PERIPHERAL ARTERY DISEASE – A HIGH-RISK ASSOCIATION WITH PROGNOSTIC IMPACT Carol Davila University of Medicine and Pharmacy

01/10/2009 – 07/2015 Timisoara, Romania

STUDENT Victor Babes University of Medicine and Pharmacy Timisoara

15/09/2005 – 15/06/2009

HIGH SCHOOL Colegiul Mihai Viteazul Bumbesti-Jiu

● **LANGUAGE SKILLS**

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
GERMAN	B2	B2	B2	B2	B2
ITALIAN	B2	B2	B2	B2	B2
FRENCH	A2	A2	A2	A2	A2

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

● **PUBLICATIONS**

2024

Impact of Peripheral Arterial Disease on Outcomes of Acute Coronary Syndrome

Maedica, A Journal of Clinical Medicine, Volume 19, No. 3, 2024

2024

A Perspective on a Two-stent Approach in Bifurcation Cases

Romanian Journal of Cardiology, Volume 34 (2024): Issue 2 (June 2024)

2024

The Role of Coronary Physiology Assessment in the Diagnosis and Treatment of Stable Angina. Dive Inside Recent Findings of Diffuse Coronary Disease Treatment

Rev. Cardiovasc. Med. 2024, 25(3), 108

2024

Peripheral Arterial Disease in the Context of Acute Coronary Syndrome: A Comprehensive Analysis of Its Influence on Ejection Fraction Deterioration and the Onset of Acute Heart Failure

Journal of Personalized Medicine Volume 14 Issue 3, 2024

2023

TAVR Interventions and Coronary Access: How to Prevent Coronary Occlusion

Life Journal, Volume 13, Issue 7, 2023

2023

Acute Coronary Syndrome: Disparities of Pathophysiology and Mortality with and without Peripheral Artery Disease

Journal of Personalized Medicine, Volume 13, Issue 6, 2023

2023

Is There an Advantage of Ultrathin-Strut Drug-Eluting Stents over Second- and Third-Generation Drug-Eluting Stents?

Journal of Personalized Medicine, Volume 13, Issue 5, 2023

2023

Bicuspid Aortic Valves and Transcatheter Valve Replacement: Feasibility and Safety

Maedica, Journal of Clinical Medicine, Vol.18, No.1, 2023

2020

TAP technique in a young patient with severe left main disease. A case report

Romanian Journal of Cardiology , Vol. 30, No. 3, 2020

2024

Impact of Peripheral Arterial Disease on Outcomes of Acute Coronary Syndrome

MAEDICA – a Journal of Clinical Medicine 2024; Volume 19, No. 3, 2024

● **NETWORKS AND MEMBERSHIPS**

CURRENT

European Association of Percutaneous Cardiovascular Interventions (EAPCI)

European Association of Percutaneous Cardiovascular Interventions (EAPCI) regular member.

2019 – CURRENT

European Society of Cardiology

Member of the European Society of Cardiology . ESC ID: 742422

2021 – CURRENT

PCR Companions

Member of PCR companions, active content reading and webinars watching.

Attending to EUROPCR congress - 2021 and 2022

PCR companion number: 237290

● **DRIVING LICENCE**

Driving Licence: B

● **RECOMMENDATIONS**

Professor Doctor Serban Mihai Balanescu MD, PhD, FESC supervisor

My training in Interventional Cardiology was under the supervision of Professor Doctor Serban Mihai Balanescu.

Email smbala99@gmail.com | Phone (+40) 0

Link <https://www.researchgate.net/profile/Serban-Balanescu-3>

Professor Doctor Bartos Daniela MD, PhD supervisor

My training in Internal Medicine and Cardiology was under the supervision of Professor Doctor Bartos Daniela.

Email bartos_daniela@yahoo.co.uk | Phone (+40) 0

Link <https://www.researchgate.net/profile/Daniela-Bartos>

● **ORGANISATIONAL SKILLS**

Organizational skills

Team management skills gained as a volunteer in the Emergency Service and later in the resident physician activity, in coordination with the cardiac catheterization laboratory.

● **HOBBIES AND INTERESTS**

Travelling, Mountain hiking, Skiing, Playing squash, Reading, Webinars watching, Podcasts listening

One of my biggest passions is traveling. My favorite quote about it is "Adventures are the most effective way to learn."

I enjoy meeting up with my friends and family in my spare time. I also enjoy reading medicine and economics magazines such as the American Journal of Cardiology, Eurointervention and webinars on different platforms.

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and interpersonal skills

Good communication skills gained through my experience as a resident physician. Empathy, self-confidence, altruism, professionalism and transparency in the medical act.

Date: 12.04.2025

Signature: Gherasie Flavius-Alexandru