

**PERSONAL
INFORMATION**

Jercălău Cosmina Elena

**WORK EXPERIENCE**

01.01.2021 – present	Resident Cardiology Physician Emergency Clinical Hospital “Dr. Bagdasar-Arseni”, Bucharest
15.01.2022-present	University Lecturer” Carol Davila” University of Medicine and Pharmacy
04.07.2023-present	Coinvestigator- “Atrial fibrillation integrated approach in frail, multimorbid, and polymedicated older people” Project 899871-AFFIRMO-H2020-SC1-2020-Two-Stage-RTD
01.04.2021 – 01.01.2023	Team Member „DR. HEART” Cardiac Rehabilitation Team, Emergency Clinical Hospital “Dr. Bagdasar-Arseni”, Bucharest
01.12.2021- 01.09.2023	Research Assistant, Horizon Project EHRs at user edge (InteropEHrate)- Horizon 2020 SEP-210506606,” Carol Davila” University of Medicine and Pharmacy

01.06.2021 – 31.05.2022 Dietetic Technician Student „Fitness Scandinavia”

01.09.2021
31.03.2022 Research Assistant -Horizon 2020 vCare project no 769807

01.10.2021-01.06.2022 Investigator-SEISMic STUDY-Windtree Therapeutics 04-CL-1904

EDUCATION AND TRAINING

01.01.2021-present Resident Cardiology Physician

01.10.2021-present PhD Student,” Carol Davila” University of Medicine and Pharmacy, Bucharest

2014-2020 „Carol Davila” University of Medicine and Pharmacy,
Bucharest, Faculty of Medicine
▪ Overall Grade Average at Graduation: 9,28
▪ Average Score Obtained at End-of-studies Examinations: 9,81
▪ Residency Examination Score: 909 points.

September 2010-June 2014 “Grigore Tocilescu” High School, Mizil, Humanist-Philology Profile
▪ Overall Grade Average at Graduation: 9,97 (valedictorian)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING	
	Listening	Reading	Spoken interaction	Spoken production
English	B2	B2	B2	B2
French	B1	B1	B1	B1
German	A2	A2	A2	A2

Communication skills Good communication skills gained through my experience developing and presenting projects on various medicine-related topics, as a student of the “Carol Davila” University of Medicine and Pharmacy

Organisational /
managerial skills
Job-related skills

Computer skills Good command and frequent use of the Microsoft Office Package, particularly Word, PowerPoint, Excel

Other skills

Driving licence Category B

ADDITIONAL INFORMATION

PUBLICATIONS/ PRESENTATIONS/

“Predicting Quality of Life of Patients in Romania with Heart Failure with Preserved Ejection Fraction by Analyzing H2FPEF Scores”. Authors: Ciobanu-Teașă, A.; Guberna, S.; **Jercălău, C.E.**; Ceban, O.; Andrei, C.L.; Sinescu, C.J. *Healthcare* 2025, 13, 909. <https://doi.org/10.3390/healthcare13080909>

“Navigating the inflammatory landscape: The neutrophil-to-monocyte ratio as a compass for myocardial infarction complications”, **J. Cosmina**, A. Catana, L.S. Calin, D. Trache, A. Lacraru, S. Busnatu, R. Partas Ciolan, C. Andrei, ESC Preventive Cardiology, Milan 2025

“Hematological biomarkers used as predictors for atrial fibrillation in patients with heart failure”, ESC Preventive Cardiology Congress, Milan 2025, Andreea Catana, **Cosmina Elena Jercalau**, Eleonora Drăgan, Suzana Maria Guberna, RV Partas-Ciolan, Andrei Liliana Cătălina

“The correlation between the modifiable risk factors in hospital readmissions and critical phase in heart failure patients”, Andreea Lacraru, Maria Pana-Ciucă, Dragoș Trache, Liviu Ionuț Șerbănoiu, **Cosmina Elena Jercalau**, Cătălina Liliana Andrei, ESC Preventive Cardiology Congress, Milan 2025,

“Recovery or adaptation? The challenges of low cardiac output syndrome”, Catalin Teodor Rusu, Gabriela Postolea, **Cosmina Elena Jercalau**, Roxana Onut, Monica Dan, Cristina Teodorescu, European Congress of Internal Medicine 2025, Florence

“An unexpected diagnosis in a patient with orthostatic hypotension” Gabriela Postolea, Catalin Teodor Rusu, **Cosmina Elena Jercalau**, Catalina Liliana Andrei, European Congress of Internal Medicine 2024, Istanbul

“Beyond the fire sparks: platelets and neutrophils as warriors and silent alarms for high Killip class after acute myocardial infarction ”, authors: **Cosmina Elena Jercălău**, Andreea Catană, Arina Maria Staicu, Diana-Maria Lungu, Cătălin Teodor Rusu, Gabriela Postolea, Drăgan Eleonora, Stefan Sebastian Busnatu, Cătălina Liliana Andrei, ESC Heart Failure Congress, 2024, Lisbon

“Unveiling the Hidden Potential of Simple but Promising Blood Cell Parameters on Acute Myocardial Infarction Prognostication”. **Jercălău CE**, Andrei CL, Brezeanu LN, Darabont RO, Guberna S, Postolea G, Ceban O, **Sinescu CJ**, *Applied Sciences*. 2024;14(6):2545. doi:10.3390/app14062545, FI 2.5/2024, <https://www.mdpi.com/2718022>

“Lymphocyte-to-Red Blood Cell Ratio-The Guide Star of Acute Coronary Syndrome Prognosis”, **Jercălău CE**, Andrei CL, Brezeanu LN, Darabont RO, Guberna S, Catană A, Lungu MD, Ceban O, **Sinescu CJ**, *Healthcare*.2024;12(12):1205.doi:10.3390/healthcare 121121205, FI 2.4/2024, <https://www.mdpi.com/2831974>,

“Blood Cell Ratios Unveiled:Predictive Markers of Myocardial Infarction Prognosis” **Jercălău CE**, Andrei CL, Darabont RO, Guberna S, Staicu AM, Rusu CT, Ceban O, **Sinescu CJ**, *Healthcare*. 2024;12(8):824. doi:10.3390/healthcare12080824, FI 2.4/2024, <https://www.mdpi.com/2750448>

“Trick of the left main: Unmasking ECG and echocardiographic’s misdirection”, **C.E. Jercălău**, A. Iancu, F. Gherasie, V. Chioncel, National National Cardiology Congress, Sinaia, 2024

„Tracing the flight of the butterfly effect in a cardiac emergency”, **C.E.Jercalau**, A.Iancu.F.Gherasie, V.Chioncel, National Cardiology Congress, Sinaia, 2024

“The Hemodynamic Profile and Intraoperative Bleeding Impact on Liver Transplant Patients. “Authors: Brezeanu, L.N.; **Jercălău, C.E.**; Andrei, C.L.; Ceban, O.; Droc, G , *J. Pers. Med.* **2024**, *14*, 288. <https://doi.org/10.3390/jpm14030288>

“The Impact of Smoking on Arterial Stiffness in Young Adults: A Prospective Analysis”. Authors: Guberna, S.M.; **Jercălău, C.E.**; Catană, A.; Drăgan, E.; Avram, A.-G.; Cuciureanu, I.; Manea, M.M.; Andrei, C.L. *Healthcare* **2024**, *12*, 1909. <https://doi.org/10.3390/healthcare12191909>

“Constrictive pericarditis-the blue colour of a clinical chameleon” -Spring Conference of the Romanian Society of Cardiology, 2023, authors: **Cosmina Elena Jercălău**, Ionela Popa, Valentin Chioncel, Adriana Gurghean, Raluca Ciomag

The most efficient types of training in cardiopulmonary rehabilitation programs: A narrative review, Gabriel Olteanu, **Cosmina Jercălău**, Maria-Alexandra Pană, Andreea Lăcraru, Liviu Serbănoiu, Raluca S. Costache, Silviu M. Stanciu, Romanian Journal of Military Medicine, No. 2/2022, Vol. CXXV, doi:10.55453/rjmm.2022.125.2.25

Patient perception when transitioning from Classic to remote assisted cardiac rehabilitation Stefan Busnatu, Maria-Alexandra Pană, Andreea Lăcraru, **Cosmina-Elena Jercălău**, Nicolae Păun, Massimo Caprino, Kai Gand, Hannes Schlieter, Sofoklis Kyriazakos, Cătălina Liliana Andrei, Crina-Julieta Sinescu, Diagnostics, 2022, 12 (4), 926, <https://doi.org/10.3390/diagnostics12040926>

“The new Therapeutics classes of drugs for Diabetes Mellitus-the impact on cardiovascular recovery”-National Congress of Physical and Rehabilitation Medicine & Balenology, Nov. 2023, authors: Cătălina Liliana Andrei, Andreea Catană, Alexandru Ion, **Cosmina Elena Jercălău**

“Striated Muscle Evaluation Based on Velocity and Amortization Ratio of Mechanical Impulse Propagation in Simulated Microgravity Environment.” - authors: Nistorescu, A.; Busnatu, S.S.; Dinculescu, A.; Olteanu, G.; Marin, M.; **Jercalau, C.E.**; Vizitiu, C.; Papacoea, I.R. *Biology* **2022**, *11*, 1677. <https://doi.org/10.3390/biology11111677>

“Effects of exercise in improving the cardiometabolic risk factors in overweight children: a systematic review and meta-analysis-authors: Stefan Busnatu, Andrei, Crina Julieta Sinescu, Cătălina Liliana, Andreea Elena Lăcraru, **Cosmina Elena Jercălău**, Liviu Ionuț Șerbănoiu, Anca Stoian, Healthcare, 2022, 10, 82.

“Acute Myocardial Infarction in a 24-year-old man”, UMF Carol Davila Congres, 2022, authors-**Cosmina Elena Jercălău**, Andreea Catană, Eleonora Drăgan, Cătălina Liliana Andrei, Crina Julieta Sinescu

Interoperability standards in ehealth: review of current methods and future directions, Authors: **Cosmina Jercălău**, Maria Pană, Roxana Radu, Liviu Serbănoiu, Iulian Năstasă S*, Felix M. Brehar, George E.D. Petrescu, Stefan Busnatu, TILS Journal, vol 1, no 1, 2022, Review

“Cardiovascular Injury in Anorexia Nervosa” - authors: Irina Calangea, Stefan Busnatu, Maria Pană, **Cosmina Jercălău**, Cătălina Liliana Andrei,

Crina Julieta Sinescu, RoMed J, 2021, 68 (2)

“Telemedicine- a window of opportunity in the COVID era”-authors: Liviu Ionuț Șerbănoiu, **Cosmina Elena Jercălău**, Maria Pană, Andreea Elena Lăcraru, Busnatu Ștefan, Cătălina Liliana Andrei, Crina Julieta Sinescu, 2021

“Cardiovascular injury in Patients with Obesity”-authors: Irina Alexandra Calangea, **Cosmina Elena Jercălău**, Sabina Gabriela Ciuvică-Tănăsescu, Valentin Titus Grigorean, Dumitru Cristinel Badiu, Ionut Simion Coman, 2021

“Cardiac Rehabilitation and Its Impact on Serum Cholesterol Levels” - April 22nd, 2021, <https://stefan-busnatu.com/recuperarea-cardiaca/>

“Familial Hypercholesterolemia” - June 7th, 2021, <https://stefan-busnatu.com/recuperarea-cardiaca/>

CONFERENCES/ SEMINARS

Heart Failure ESC Congress 2024, Lisbon

National Cardiology Congress, Sinaia, 2024

Spring Conference of the Romanian Society of Cardiology – April 17th-April 20th, 2023, Bucharest

Spring Conference of the Romanian Society of Cardiology – May 12th-May 15th, 2021, Bucharest

“Basic Imaging Notions for the Management of Heart Failure” - March 20th, 2021, Bucharest

“Inherited Heart Conditions” Course – April 16th-April 17th, 2021, Bucharest

BUCHAREST LIVE ENDOSCOPY - May 4th-May 5th, 2018, Bucharest

International Conference - “Metamorphosis in Breast Cancer Treatment” - November 1st-November 3rd, 2018, Bucharest

Summer Practice, Bucharest Emergency University Hospital – 01.07.2018-

VOLUNTEER WORK
EXPERIENCE

01.09.2018

Summer Practice, Emergency Clinical Hospital “Dr. Bagdasar-Arseni”,
Bucharest – 01.07.2019-01.09.2019

Volunteer at the Bucharest Vaccination Marathon, May 7th-May 10th, 2021

Good Clinical Practice

CERTIFICATES

Bioclinica EDC 5.X for Study Coordinator

Bioclinica IRT 2.2 and 2.3 Site User, PI, Pharmacist, and CRA Permissions

Bioclinica Smart Portal Training

Windtree 04-CL-1904(10008633) H12+Holter Training

01.06.2025