



Raluca Coifan (Șoșdean)

Date of birth: 25/11/1984 | **Nationality :** Romanian **Gender:** Female

Telephone number (+40) 256207355 (Work) [REDACTED]

E-mail: sosdean.raluca@umft.ro |

Address: [REDACTED]

● Work Experience

01/01/2016 – CURRENT Timisoara, Romania

CARDIOLOGIST INSTITUTE FOR CARDIOVASCULAR DISEASES

- Clinical and research activity

04/12/2017 – CURRENT Timisoara, Romania

CARDIOLOGIST EPICARDIO CLINIC

- Clinical activity

01/03/2023 – CURRENT Timisoara, Romania

CARDIOLOGIST S.C AR TERRA HEALTH S.R.L.

- Clinical activity

03/2025 – CURRENT Timisoara, Romania

SENIOR LECTURER IN CARDIOLOGY- CARDIOLOGY II DISCIPLINE, DEPARTMENT VI "VICTOR BABEȘ"
UNIVERSITY OF MEDICINE AND PHARMACY

10/2013 – 02/2025 Timisoara, Romania

ASSISTANT PROFESSOR - CARDIOLOGY II DISCIPLINE, DEPARTMENT VI "VICTOR BABEȘ" UNIVERSITY
OF MEDICINE AND PHARMACY

- Teaching and Research activity

01/01/2010 – 31/12/2015 Timisoara, Romania

CARDIOLOGY RESIDENT DOCTOR INSTITUTE FOR CARDIOVASCULAR DISEASES

Clinical and Research activity

● EDUCATION AND TRAINING

01/01/2016 – 16/09/2021 Timisoara, Romania

SENIOR CARDIOLOGIST DIPLOMA Institute for Cardiovascular Diseases, "Victor Babeș" University of
Medicine and Pharmacy

01/10/2012 – 14/10/2016 Timisoara, Romania

DOCTOR IN MEDICINE DIPLOMA "Victor Babeș" University of Medicine and Pharmacy

Doctoral Thesis- ROLE OF BIVENTRICULAR PACING USING SINGLE PASS VDD LEADS FOR HEART FAILURE
TREATMENT – doctoral grant

01/01/2010 – 31/12/2015 Timisoara, Romania

CARDIOLOGIST DIPLOMA Institute for Cardiovascular Diseases

Medicine Faculty

General Medicine

- Final Grade 9.90 (Graduated as Valedictorian)

1999 – 2003 Timisoara, Romania

BACCALAUREATE DIPLOMA Banatean National College, Timișoara**LINGVISTIC COMPETENCES**Mother Tongue: **ROMANIAN**

Other:

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	B2	B2	B2	B2	B2
GERMAN	A1	A1	A1	A1	A1

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

DRIVING LICENCE

Category B

PROFESIONAL SKILLS DEVELOPED THROUGH WORK EXPERIENCE**Imaging**

Transthoracic Echocardiography (National Certification); Special Echocardiography (National Certification);
 Transoesophageal Echocardiography (National Certification, European Association of Cardiovascular Imaging Certification)

ACADEMIC PERFORMANCES**Professional Exchange and Scholarships/Grants**

- January 1- June 30, 2017- Advanced professional internship in the field of Multimodality Imaging, Cardiology Clinic, Robert-Bosch-Krankenhaus, Stuttgart, Germany, as part of the Collaboration Agreement no. 3961/09.04.2015 with the "Victor Babeș" University of Medicine and Pharmacy, Timisoara
- April 2014- November 2015- Doctoral Grant Recipient under the Project: "Parteneriat Strategic pentru Creșterea Calității Cercetării din Universitățile Medicale prin Acordarea de Burse Doctorale și postdoctorale"- DocMed.net_2.0, Nr. POSDRU/159/1.5/S/136893
- 2006-2008- repeated participation as a student in the IFMSA international professional exchange programme, and in international Summer School programmes (Faculty of Medical Sciences, University of Kragujevac, Serbia; Medical Health Science Centre, University of Debrecen, Hungary; Emergency Medicine and Cardiology Departments, Karolinska University Hospital Solna, Stockholm, Sweden).

Awards

- 2006- 2018- 5 award-winning presentations at national and international congresses for medical students (International Congress for Medical Students and Young Doctors MEDIS 2006, 2007, 2008, 2018; International Congress for Students, Young Doctors and Pharmacists MARISIENSIS 2020)
- 2014-2023- 1 award-winning poster at an international congress (9th European Section Meeting of the International Academy of Cardiovascular Sciences 2023), 2 award-winning poster at national congresses (49th National Congress of the Romanian Society of Diabetes, Nutrition and Metabolic Diseases 2023, 53rd National Congress of Cardiology 2014), 1 UEFISCDI award-winning publication (Pescariu SA, Șoșdean R, et al. Single-Pass VDD Pacing Lead for Cardiac Resynchronization Therapy: A Reliable Alternative. Micromachines (Basel). 2021;12(8): 978 - PN-III-P1-1.1-PRECISI-2021-64666)

International and National Congresses

Participated in over 20 international and over 20 national congresses in the field of Cardiology, with oral presentations, posters, and scientific contributions, among which:

1. European Congress of Cardiology - ESC Congress 2022 (Barcelona, Spain), 2021 (online), 2016 (Rome, Italy), 2011 (Gothenburg, Sweden)
2. Congress of the European Association of Cardiovascular Imaging - EACVI/EuroEcho 2023 (Barcelona, Spain), 2021-2022 (online), 2020 (online), 2018 (Milano, Italy), 2017 (Lisbon, Portugal), 2016 (Leipzig, Germany), 2015 (Sevilla, Spain)
3. European Congress of Heart Failure - Heart Failure 2023 (Prague, Czechia), 2017 (Paris, France), 2016 (Florence, Italy)
4. CardioStim 2016 (Nice, France)
5. European Section Meeting of the International Academy of Cardiovascular Sciences - IACS 2022-2023
6. 38th Meeting of the European Section of International Society for Heart Research (06.2024)- Université Toulouse III - Paul Sabatier
7. National Congress of Cardiology Sinaia, Romania 2010-2023
8. Spring Conference of the Romanian Society of Cardiology, Sibiu, Romania 2022-2024

Completed Postgraduate Courses

1. 2024: EACVI Cardiac Imaging in Clinical Practice, Bucharest, Romania
2. 2024: EACVI Preparatory Course for Certification in CMR, Sophia- Antipolis, France
3. 2024: Hereditary Cardiac Diseases, Bucharest, Romania
4. 2022: European Course of Transthoracic Echocardiography - EACVI EchoNice Course, Nice, France
5. 2019: Echocardiography Course - 14th International "Echocardiography Today and Tomorrow" - St. Wolfgang, Austria
6. 2019: Multimodality Imaging in Cardiology, organised by the Echocardiography and other Imaging Methods Working Group of the Romanian Society of Cardiology, Timisoara, Romania
7. 2019: Advanced Echocardiographic Techniques - Speckle Tracking, 3D Echocardiography: Theory and Hands-ON, Timisoara, Romania
8. 2018: European Course of Transoesophageal Echocardiography- EACVI Teaching Course on Transoesophageal 2D and 3D Echocardiography, Nice, France
9. 2018: 10th European Course of Cardiac Magnetic Resonance, Munchen, Germany
10. 2017: 3D Transoesophageal Echocardiography Course - Live 3D TEE Kardiologie (Expertenkurs), Robert-Bosch- Krankenhaus, Stuttgart, Germany
11. 2016: EACVI course "Basic knowledge in advanced echo techniques" organized by the EACVI Heart Imagers of Tomorrow (HIT) and the Echocardiography and other Imaging Methods Working Group of the Romanian Society of Cardiology, Sinaia, Romania
12. 2016: EHRA course "Cardiac Pacing, ICD and cardiac resynchronisation", Viena, Austria
13. 2014: "Horizon 2020 Proposal Development" training promoted by Europa Media Trainings, "Victor Babeş" University of Medicine and Pharmacy, Timisoara, Romania
14. 2013 - 2014: Interactive online course of Transthoracic Echocardiography - „123 Sonography”, Course directors: Prof. Dr. Thomas Binder, Dr. Franz Wiesbauer, Department of Cardiology, Viena University of Medicine
15. 2013: Scientific Summer School in Romania, organised under the patronage of the Journal of Electrocardiology and Anatolian Journal of Cardiology, in collaboration with the Croatian Medical Journal, Timișoara, România
16. 2012: 6th Biotronik Expert Conference, Berlin, Germany
17. 2006: "First International Summer School of Hyperbaric and Underwater Medicine", Faculty of Medicine, University of Kragujevac, Serbia

2016 – CURRENT

Lecturer in Postgraduate Courses

- Transthoracic Echocardiography Course, "Victor Babeş" University of Medicine and Pharmacy Timisoara (2019-2025)
- Transoesophageal Echocardiography Course, "Victor Babeş" University of Medicine and Pharmacy Timisoara (2019-2025)

Local and national courses invited lecturer, among which:

1. Cardio Oncology Course 2023 (Constanta, Romania, organised by the Romanian Society of Cardiology)
2. CARDIOCOAG Course, November 2023 Edition (online)
3. „Cardiology- a look beyond clinical guidelines” Course (online, organised by the Experimental Cardiology Working Group of the Romanian Society of Cardiology)
4. „Recent Advances in Laboratory and Paraclinical Diagnosis: from biomarkers to algorithms” 2022 (online)
5. „Updates in the cardio-metabolic diseases physiopathology, laboratory diagnosis and therapy” 2023 (online)
6. ImagineHeart 2023 (Iași, Romania, organised by the Romanian Society of Cardiology)
7. „Imaging in Cardiomyopathies” 2016 (Timisoara, Romania, organised by the Romanian Society of Cardiology)

Research Projects

- 2023- current: member in the international COST project - European network to tackle METAbolic alterations in HEART failure (EU METAHEART)
- Co-investigator in the EMPACT-MI international clinical study: A Streamlined, Multicentre, Randomised, Parallel Group, Double-blind Placebo-controlled Superiority Trial to Evaluate the Effect of EMPAgliflozin on Hospitalisation for Heart Failure and Mortality in Patients With aCuTe Myocardial Infarction, 2020-2024 (Sponsor Boehringer Ingelheim)
- Research team member in the Project "Development of a registry for tracking left ventricular remodeling after acute myocardial infarction to prevent heart failure" („Crearea unui registru de urmarire a remodelarii ventriculare stângi post infarct miocardic acut, în scopul prevenirii insuficienței cardiace”), part of the Programme „Public Health Challenges at European Level” (“Provocari în sănătatea publică la nivel european”), funded by EEA Financial Mechanism (Mecanismul Financiar SEE) 2014-2021
- Co-investigator in the international clinical study No: CRLX030A 2012 - A multicentre, randomized, double-blind, placebo controlled phase IIIb study to evaluate the efficacy, safety and tolerability of Serelaxin when added to standard therapy in acute heart failure patients (Sponsor Novartis Pharma)

SCIENTIFIC PAPERS AND RELEVANT PUBLICATIONS

2013 – CURRENT

Full-text publication record

- 32 papers in ISI Web of Science Journals, among which 12 as main author
- 9 papers in International Database Journals, B+ Journals
- 19 book chapters published with international and national academic publishers

Selected scientific publications:

1. **Șoșdean R**, Dănilă MD, Ionică LN, Pescariu AS, Mircea M, Ionac A, Mornoș C, Luca CT, Feier HB, Muntean DM, Sturza A. Monoamine Oxidase Contributes to Valvular Oxidative Stress: A Prospective Observational Pilot Study in Patients with Severe Mitral Regurgitation. *Int J Mol Sci.* 2024;25(19):10307. doi: 10.3390/ijms251910307 (Impact factor 4.9)
2. **Șoșdean R**, Lazăr MA, Pescariu SA, Mircea MN, Lala RI, Mornoș C, Luca CT, Ionac A. Importance of Multimodality Cardiac Imaging in the Diagnosis of Lipomatous Hypertrophy of the Interatrial Septum-A View beyond Standard Situations. *Life (Basel).* 2024;14(4):514. doi: 10.3390/life14040514 (Impact factor 3.2)
3. Pescariu SA, **Șoșdean R**^{*}, Tudoran C^{*}, Ionac A, Pop GN, Timar RZ, Pescariu S, Tudoran M. Echocardiographic Parameters as Predictors for the Efficiency of Resynchronization Therapy in Patients with Dilated Cardiomyopathy and HFrEF. *Diagnostics (Basel).* 2021;12(1):35. doi: 10.3390/diagnostics12010035 (Impact factor 3.992)
4. Pescariu SA, **Șoșdean R**^{*}, Enache B, Macarie RI, Tudoran M, Tudoran C^{*}, Mornoș C, Ionac A, Pescariu S. Single-Pass VDD Pacing Lead for Cardiac Resynchronization Therapy: A Reliable Alternative. *Micromachines (Basel).* 2021;12(8):978. doi: 10.3390/mi12080978 (Impact factor 3.523)
5. Frișan AC, Mornoș C, Lazăr MA, **Șoșdean R**, Crișan S, Ionac I, Luca CT. Echocardiographic Myocardial Work: A Novel Method to Assess Left Ventricular Function in Patients with Coronary Artery Disease and Diabetes Mellitus. *Medicina (Kaunas).* 2024;60(2):199. doi: 10.3390/medicina60020199 (Impact factor 2.4)
6. Ionică LN, Buriman DG, Lința AV, **Șoșdean R**, Lascu A, Streian CG, Feier HB, Petrescu L, Mozoș IM, Sturza A, Muntean DM. Empagliflozin and dapagliflozin decreased atrial monoamine oxidase expression and alleviated oxidative stress in overweight non-diabetic cardiac patients. *Mol Cell Biochem.* Mol Cell Biochem (2024). <https://doi.org/10.1007/s11010-024-05076-z> (Impact factor 3.5)
7. Lazăr MA, Ionac I, Luca CT, Petrescu L, Vacarescu C, Crisan S, Gaiță D, Cozma D, **Șoșdean R**, Arnăutu DA, Cozlac AR, Luca SA, Gurgu A, Totorean C, Mornos C. Reduced Left Ventricular Twist Early after Acute ST-Segment Elevation Myocardial Infarction as a Predictor of Left Ventricular Adverse Remodelling. *Diagnostics (Basel).* 2023;13(18):2896. doi: 10.3390/diagnostics13182896 (Impact factor 3.0)
8. Ionac I, Lazăr MA, **Șoșdean R**, Văcărescu C, Simonescu M, Luca CT, Mornoș C. Considering Both GLS and MD for a Prognostic Value in Non-ST-Segment Elevated Acute Coronary Artery Syndrome. *Diagnostics (Basel).* 2023;13(4):745. doi: 10.3390/diagnostics13040745 (Impact factor 3.0)
9. Ionică LN, Gaiță L, Bîrnă AM, **Șoșdean R**, Liștezan R, Sima A, Malița D, Crețu OM, Burlacu O, Muntean DM, Sturza A. Metformin alleviates monoamine oxidase-related vascular oxidative stress and endothelial dysfunction in rats with diet-induced obesity. *Mol Cell Biochem.* 2021;476(11):4019-4029. doi: 10.1007/s11010-021-04194-2. (Impact factor 3.842)
10. Maries L, Marian C, **Șoșdean R**, Goanta F, Sirbu IO, Anghel A. MicroRNAs-The Heart of Post-Myocardial Infarction Remodelling. *Diagnostics (Basel).* 2021;11(9):1675. doi: 10.3390/diagnostics110916 (Impact factor 3.992)

Congress/Conference Presentation record

- Over 25 oral and poster presentations at international congresses

Selected first author abstracts:

1. **Șoșdean R**, Mircea M, Pascalau L, Pescariu SA, Cristescu R, Sturza A, Luca CT, Mornos C, Ionac A. Interventional septal reduction therapy in patients with hypertrophic obstructive cardiomyopathy- a relief also for the right ventricle?, poster presentation at Heart Failure 2023 and the World Congress on Acute Heart Failure, 20 - 23 May 2023, Prague, Czechia, European Journal of Heart Failure 2023, 25 (Suppl. S2): 380; Impact Factor 16.9;
2. **Șoșdean R**, Mircea M, Pascalau L, Pescariu SA, Sturza A, Luca CT, Mornos C, Ionac A. Alcohol septal ablation success in patients with hypertrophic obstructive cardiomyopathy-the hypothesis of merging territories, poster presentation at Heart Failure 2023 and the World Congress on Acute Heart Failure, 20 - 23 May 2023, Prague, Czechia, European Journal of Heart Failure 2023, 25 (Suppl. S2) 380; Impact Factor 16.9;
3. **Șoșdean R**, Mircea M, Pascalau L, Pescariu SA, Voinescu O, Sturza A, Luca CT, Mornos C, Ionac A. Relationship between mitral valve echocardiographic parameters and interventional septal reduction therapy success in patients with hypertrophic obstructive cardiomyopathy- a pilot study, poster presentation at EACVI Congress 2023, Barcelona 10-12 mai 2023, European Heart Journal- Cardiovascular Imaging (2023) 24 (Suppl 1), i361; Impact Factor 6.7;
4. **Șoșdean R**, Ionica LN, Pescariu SA, Goanta FS, Lazar MA, Mornos C, Ionac A, Sturza A, Muntean DM, Luca CT, Feier H. Relationship between oxidative stress and three-dimensional echocardiographic changes in myxomatous mitral valves with severe regurgitation - a pilot study, poster presentation at EuroEcho 2021, online, European Heart Journal - Cardiovascular Imaging (2022), 23 (Issue Suppl_1), i332; Impact Factor 6.3;
5. **Șoșdean R**, Ionica LN, Pescariu SA, Mornos C, Muntean DM, Sturza A, Luca CT, Feier H. Monoamine oxidase contributes to the valvular oxidative stress in patients with mitral valve regurgitation, poster presentation at ESC Congress 2021, online; European Heart Journal 2021, 42 (Suppl 1):3337; Impact Factor 35.855;

- Over 30 oral and poster presentations at national congresses and conferences

Selected first author abstracts:

1. **Șoșdean R**, Macarie IR, Ionică L, Mircea M, Pescariu SA, Bordejevic DA, Ionac A, Mornoș C, Pescariu S. Patient with obstructive hypertrophic cardiomyopathy treated by dual chamber pacing - 25 years journey, poster presentation, 59th National Congress of Cardiology, Sinaia, Romania 2020; Romanian Journal of Cardiology 2020; Supplement 2020: 120-121;
2. **Șoșdean R**, Goanță F, Marieș L, Ianoș RL, Macarie R, Enache B, Mornoș C, Ionac A, Pescariu S. Effects of cardiac resynchronization therapy in a patient with dominantly right heart failure, poster presentation, the 57-th National Congress of Cardiology, Sinaia, Romania 2018; Romanian Journal of Cardiology 2018; Supplement: 372-373;
3. **Șoșdean R**, Enache B, Macarie RI, Ianoș RL, Ștefea AM, Pescariu S. Use of VDD pacing leads for cardiac resynchronization therapy- a safety and feasibility retrospective single center cohort study, oral presentation, 54th National Congress of Cardiology, Sinaia, Romania 2015, Romanian Journal of Cardiology, Supplement 2015: 19-20;
4. **Șoșdean R**, Enache B, Macarie RI, Ianoș RL, Ștefea AM, Pescariu S. Safety of Triple Chamber Cardiac Electronic Devices Implantation Using A Double Venous Approach, poster presentation, 53rd National Congress of Cardiology, Sinaia, România 2014; Romanian Journal of Cardiology, Supplement 2014: 130-131.

National conferences/congresses invited lecturer:

1. Spring Conference of the Romanian Society of Cardiology, Sibiu, Romania 2022-2025
2. National Congress of Physiopathology, Timisoara, Romania 2024
3. National Congress of Cardiology, Sinaia, Romania 2022-2023
4. Cardioculture Conference, Timisoara, Romania 2019-2024

● Professional Societies Membership

International Societies

European Society of Cardiology (ESC); European Association of Cardiovascular Imaging(EACVI, Silver Member), Myocarditis & Pericardial Diseases ESC Working Group; European Association of Heart Failure (HFA, Silver Member); International Society of Cardiovascular Magnetic Resonance (SCMR); International Society of Heart Research (ISHR)

National Societies

Romanian Society of Cardiology (SRC), Cardiovascular Imaging Working, Experimental Cardiology Working Group