

CURRICULUM VITAE

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PERSONAL INFORMATION

Surname / First name	Mornos Cristian
Address	13A Gh. Adam Street, Timișoara, Romania
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E-mail	mornos.cristian@umft.ro
Nationality	Romanian
Current position	Professor of Cardiology, Senior Consultant Cardiologist Victor Babeș University of Medicine and Pharmacy Timișoara Institute of Cardiovascular Diseases Timișoara

WORK EXPERIENCE

Period	2024 – Present
Position held	Professor, Senior Consultant Cardiologist
Main activities	Teaching and clinical activity
Employer	Victor Babeș University of Medicine and Pharmacy Timișoara
Period	2015 – 2024
Position held	Associate Professor, Senior Consultant Cardiologist
Main activities	Teaching and clinical activity
Employer	Victor Babeș University of Medicine and Pharmacy Timișoara
Period	2013 – 2015
Position held	Lecturer, Senior Consultant Cardiologist
Main activities	Teaching and clinical activity
Employer	Victor Babeș University of Medicine and Pharmacy Timișoara
Period	2008 – 2013
Position held	Assistant Professor, Specialist Cardiologist
Main activities	Teaching and clinical activity
Employer	Victor Babeș University of Medicine and Pharmacy Timișoara

EDUCATION AND TRAINING

2012 – Present	Senior Consultant Cardiologist, Institute of Cardiovascular Diseases Timișoara
2009	PhD in Medicine
2007 – 2012	Specialist Cardiologist
2001 – 2007	Cardiology Residency
1999	Medical Doctor Degree – Victor Babeș University of Medicine and Pharmacy Timișoara
1993	Baccalaureate Diploma – Medical High School Arad

SCIENTIFIC ACTIVITY

ISI-indexed articles	58 ISI-indexed full articles (21 as first author)
International indexed articles	44 full articles indexed in international databases (14 as first author)
Books / chapters	17 books/book chapters (1 as first author)
Published abstracts	242 published abstracts (165 ISI indexed)
Oral / poster presentations	355 oral/poster presentations at national and international conferences
Citations (WoS)	1127 citations (Web of Science)
H-index	H-index: 14 (Web of Science); 17 (Scopus)

MAIN PUBLISHED ARTICLES

1. Mornos C, Ionac A, Cozma D, Rusinaru D, Maximov D, Petrescu L, Lupu A, Dragulescu SI. The relationship between tissue Doppler imaging and seric NTproBNP levels in sinus rhythm patients: a prospective study. *Int J Cardiovasc Imaging* 2008; 24 (4): 399-407.
2. Mornos C, Cozma D, Rusinaru D, Ionac A, Maximov D, Petrescu L, Dragulescu SI. A novel index combining diastolic and systolic Tissue Doppler parameters for the non-invasive assessment of left ventricular end-diastolic pressure. *Int J Cardiol* 2009; 136 (2): 120-129.
3. Mornoș C, Petrescu L. Early detection of anthracycline-mediated cardiotoxicity: the value of considering both global longitudinal left ventricular strain and twist. *Can J Physiol Pharmacol* 2013;91(8):601-7
4. D Muntean, A Sturza, MD Dănilă, Borza C, O Duicu, C Mornos. The role of mitochondrial reactive oxygen species in cardiovascular injury and protective strategies. *Oxid Med Cell Longev* 2016;2016:8254942.

- 5.C Mornos, AJ Manolis, D Cozma, N Kouremenos, I Zacharopoulou, A Ionac. The value of left ventricular global longitudinal strain assessed by three-dimensional strain imaging in the early detection of anthracycline-mediated cardiotoxicity. *Hellenic J Cardiol* 2014;55:235-244
- 6.R Lighezan, A Sturza, OM Duicu, R A Ceausu, A Vaduva, M Gaspar, H Feier, MA Vaida, V Ivan, D Lighezan, DM Muntean, C Mornoş. Monoamine oxidase inhibition improves vascular function in mammary arteries from non-diabetic and diabetic patients with coronary heart disease. *Can J Physiol Pharmacol* 2016;94(10):1040-1047
- 7.Mornos C, Petrescu L, Cozma D, Ionac A. A new tissue doppler index to predict cardiac death in patients with heart failure. *Arq Bras Cardiol* 2014;102(1):19-29.
8. Duicu OM, Lighezan R, Sturza A, Ceausu RA, Borza C, Vaduva A, Noveanu L, Gaspar M, Ionac A, Feier H, Muntean DM, Mornos C. Monoamine Oxidases as Potential Contributors to Oxidative Stress in Diabetes: Time for a Study in Patients Undergoing Heart Surgery. *Biomed Res Int* 2015;2015:515437
9. Dragos Cozma, Cristina Vacarescu, Lucian Petrescu, Cristian Mornos, Emilia Goanta, Horea Feier, Constantin Tudor Luca, Gabriel Gusetu, Radu Vatasescu. CRT Pacing: Midterm follow-up in LV only pacing without RV lead in patients with normal AV conduction, *J. Clin. Med.* 2018, 7(12): 531.
10. Cozma D, Popescu BA, Lighezan D, Petrescu L, Mornos C, Ginghina C, Dragulescu SI. Left atrial remodeling: assessment of size and shape to detect vulnerability to atrial fibrillation. *PACE (Pacing and Clinical Electrophysiology)* 2007; 30: S147-S150.
11. Mornoş C, Muntean D, Mornoş A, Crişan S, Petrescu L, Ionac A, Sosdean R, Cozma D. Risk stratification in patients with heart failure: the value of considering both global longitudinal left ventricular strain and mechanical dispersion. *Can J Physiol Pharmacol* 2017;95(11):1360-1368.
- 12.Mornos C, Petrescu L, Pescariu S, Dan R, Cozma D. Prognostic value of septal E/(E'xS') ratio in predicting cardiac death in patients with heart failure. *Kardiol Pol* 2014;72(2):166-74.
12. OM Duicu, R Lighezan, A Sturza, R Balica, A Vaduva, H Feier, M Gaspar, A Ionac, L Noveanu, C Borza, DM Muntean, C Mornos. Assessment of mitochondrial dysfunction and monoamine oxidase contribution to oxidative stress in human diabetic hearts. *Oxid Med Cell Longev* 2016;2016:8470394
13. Mornoş C, Petrescu L, Ionac A, Cozma D. The prognostic value of a new tissue Doppler parameter in patients with heart failure. *Int J Cardiovasc Imaging* 2014;30(1):47-55.
14. Feier H, Cozma D, Sintean M, Deutsch P, Ursoniu S, Gaspar M, Mornos C. How Much Malperfusion Is Too Much in Acute Type A Aortic Dissections? *J Clin Med.* 2019;8(3).
15. Rus AA, Mornoş C. The Impact of Meteorological Factors and Air Pollutants on Acute Coronary Syndrome. *Curr Cardiol Rep.* 2022;24(10):1337-1349.
16. Enatescu VR, Cozma D, Tint D, Enatescu I, Simu M, Giurgi-Onocu C, Lazar MA, Mornos C. The Relationship Between Type D Personality and the Complexity of Coronary Artery Disease. *Neuropsychiatr Dis Treat.* 2021;17:809-820.
17. Braescu L, Gaspar M, Buriman D, Aburel OM, ...Mornos C. The Role and Implications of Epicardial Fat in Coronary Atherosclerotic Disease. *Journal of Clinical Medicine.* 2022; 11(16):4718

18. Lazăr MA, Ionac I, Luca CT, Petrescu L, Vacarescu C, Crisan S, Gaiță D, Cozma D, Sosdean R, Arnăutu DA, Cozlac RA, 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*. 2023; 13(18):2896.
19. 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.

PUBLISHED BOOKS

1. Mornos C, Ionac A. Tissue Doppler and Speckle Tracking Echocardiography. Brumar Publishing, 2011.
2. Ionac A, Mornos C, Drăgulescu SI. Echocardiographic Diagnosis in Mitral and Aortic Valve Disease. Brumar Publishing, 2006.
3. Ionac A, Mornos C et al. Practical Echocardiography – Commented Images. Brumar Publishing, 2007.
4. C Mornoș, R Dan, MA Lazăr, I Ionac. Chapter “Ateroscleroza” pagina 107-112, in “Curs de cardiologie”, Timisoara, Editura Victor Babeș, 2022, ISBN 978-606-786-258-4.
5. C Mornoș, R Dan, MA Lazăr, I Ionac. Chapter “Sindroame coronariene cronice” pagina 113-124, in “Curs de cardiologie”, Timisoara, Editura Victor Babeș, 2022, ISBN 978-606-786-258-4
6. C Mornos, L Petrescu , C Ginghina. Chapter “Sindroamele coronariene acute cu supradenivelare de segment ST” in “Manual de cardiologie”, Carmen Ginghina, Dragos Vinereanu, Bogdan A. Popescu, Editura Medicala 2020, 1026 pages, ISBN: 9789733908807.
7. Cristian Mornos, Adrian-Sebastian Zus. Chapter “Renal Vascular Anomalies” page 31-43, in Adrian Covic, Alexandru Burlacu, “Contemporary Approaches to Renal Vessels Disorders, Updates and Management Strategies”, 156 pages, doi.org/10.1007/978-3-031-71930-1, Springer Nature Switzerland AG 2024, Hardcover ISBN 978-3-031-71929-5, Softcover ISBN 978-3-031-71932-5, eBook ISBN 978-3-031-71930-1.
8. Cristian Mornoș. Chapter “Disfuncția miocardică secundară chimioterapiei”, page 52-56, in Jurcuț Ruxandra, “CARDIOONCOLOGIE Noțiuni esențiale 2023”, 160 pages, Viața Medicală, Editura MEDICHUB MEDIA, București, 2023, ISBN 978-606-95567-8-8, ISBN 978-606-95565-8-0.

POSTGRADUATE COURSES

- EUROPCR 2022, Paris, France, 17-20 may 2022
- “Evolut PRO Team Approach to TAVI Training”, Budapest, Hungary, 5-6 March 2018

- „Echocardiography Today and Tomorrow 13th International Symposium”, presented by Tufts University New England Medical Center, Boston, USA and Elisabethinen Hospital Linz, Austria, St Wolfgang, Austria, 11-14 June 2017
- „Workshop on The Right Heart Diseases- from Diagnostics to Therapy”, presented by Tufts University New England Medical Center, Boston, USA and Elisabethinen Hospital Linz, Austria in St Wolfgang, Austria, 10 June 2017
- The first European Meeting on Coronary Microcirculation & Hypertension, Sinaia, Romania, 17-18 February 2017
- PCR Seminar: Management of a patient presenting with complex multivessel disease including a left main disease, Belgrade, Serbia, 16- 17 December 2016
- Third Fabry Expert Day in Cardiology, Londra, Marea Britanie, 30 iunie 2016
- Advances in Rare Cardiovascular Disease, Londra, Marea Britanie, 1 iulie 2016
- “Basic knowledge in advanced echo techniques” Course organized by the EACVI Heart Imagers of Tomorrow and the Working Group of echocardiography and other Imaging modalities of the Romanian Society of Cardiology, Endorsed by the European Association of Cardiovascular Imaging, Sinaia, Romania, September 25, 2016
- „Tratamentul de urgenta al pacientului acut dezechilibrat”, Conferința Grupului de Lucru de Cardiologie de Urgenta al SRC, Timișoara, Romania, 4 noiembrie 2016
- Certification program on Fraction Flow Reserve and Optical Coherence Tomography during the 4th FFR / OCT PCI optimization workshop, BUDAPEST - 10-11th of December, 2015
- EUROPCR 2015, Paris, France, 19-22 may 2015
- Edwards SAPIEN XT™ THV training program, 29-30 aprilie 2014, Nyon, Elvetia
- EUROPCR 2013, Paris, France, 21-24 may 2013
- The 23rd European Meeting on Hypertension and Cardiovascular Prevention and 8th Post Congress Satellite Symposium „Hypertension and Concomitant Diseases”, 4-7 July 2013, Porto Heli, Greece
- EACTA 2013 - 12th Echo Meeting of the European Association of Cardiothoracic Anaesthesiologists, 7- 10 september 2013, Montpellier, France
- Joint Interventional Meeting 2012, Roma, Italia, 7-9 Februarie 2012
- EuroPCR 2011, Paris, France, 17-20 May 2011
- „Echocardiography Today and Tomorrow 10th International Symposium”, presented by Tufts University New England Medical Center, Boston, USA and Elisabethinen Hospital Linz, Austria, St Wolfgang, Austria 20-24 Iunie 2011
- „Workshop on The Quantitative and Cardiac Function Laboratory”, presented by Tufts University New England Medical Center, Boston, USA and Elisabethinen Hospital Linz, Austria in St Wolfgang, Austria 18-19 Iunie 2011
- The Bridge: Scientific Exchange in Cardiology III. Budapesta, 13-14 Octombrie 2011
- „Decizii dificile in managementul insuficientei cardiace”, Timisoara, Romania, 12 februarie 2010
- EUROPCR 2010, Paris, Franta, 25-28 mai 2010
- „Virtual Reality Training Session on Practical Solutions to AMI Patient Care” during EUROPCR 2010, Paris, Franta, 25-28 mai 2010
- Our Approach to Bifurcation Lesion (Curs BASICS), Belgrad, 6 aprilie 2009

- The BASICS+5th Belgrade Summit of Interventional Cardiologists, Belgrad, 5-8 aprilie 2009
- „Echocardiography Today and Tomorrow 9th International Symposium”, St Wolfgang, Austria 22-26 Iunie 2009
- „Workshop on Speckle Tracking”, St Wolfgang, Austria 22-26 June 2009
- EAE Educational Course, "Doppler Echocardiography - from basics to advanced applications"; Bucuresti, 2007, 29-31 martie
- British Society of Echocardiography, CRT Course "Cardiac Resynchronization Therapy and Dilated Cardiomyopathies: understanding the deformation & mechanics of the failing ventricle." Dubrovnik, Croatia, 17-18 mai 2007
- EUROPCR 2008, Barcelona, 13-16 mai 2008
- Cursul de actualități în ecocardiografie, UMF „Victor Babes” Timisoara, 1-30 noiembrie, 2006
- Cursul de ecocardiografie generală, UMF „Victor Babes” Timisoara, 2006
- Cardiac Rehabilitation in Europe, Timisoara, January 2006

PARTICIPATION IN INTERNATIONAL CLINICAL TRIALS

- EuroASPIRE III
- CONFIRM
- SIGNIFY
- ICE
- Affirm-AHF
- EMPA-MI
- AEGIS-II
- ARENA
- Akros
- AUGUSTUS
- PARADISE-MI

REVIEWER FOR LEADING INTERNATIONAL SCIENTIFIC JOURNALS

- Scientific Reports
- The Journal of Clinical Hypertension
- Current Research: Cardiology
- Echocardiography
- Cardiology Journal
- Journal of Cardiovascular Medicine
- Journal of Pharmacological and Toxicological Methods
- International Journal of Cardiology
- The Anatolian Journal of Cardiology
- Experimental & Clinical Cardiology

OTHER FORMS OF RECOGNITION OF SCIENTIFIC MERITS

- a. Certificate of participation in the *Young Investigators' Awards Session* with the paper entitled "*Estimation of Left Ventricular Filling Pressure Using Doppler Echocardiography in Patients with Intermediate E/Ea*", EuroEcho 2007, Lisbon, Portugal.
- b. High-Scoring Abstract at the *EUROECHO & Other Imaging Modalities Congress 2011*, Budapest, Hungary, for the paper entitled "*A New Tissue Doppler Parameter in Predicting the Future Development of Atrial Fibrillation in Patients with Left Ventricular Dysfunction.*"
- c. High-Scoring Abstract at the *EUROECHO & Other Imaging Modalities Congress 2011*, Budapest, Hungary, for the paper entitled "*Prognostic Value of a New Tissue Doppler Index in Patients with Non-Revascularized Coronary Artery Disease.*"
- d. CNCSIS Research Results Award 2009, Stage II, for the article entitled "*A Novel Index Combining Diastolic and Systolic Tissue Doppler Parameters for the Non-Invasive Assessment of Left Ventricular End-Diastolic Pressure.*" *Int J Cardiol* 2009;136(2):120–129.
- e. High-Scoring Abstract at the *EUROECHO & Other Imaging Modalities Congress 2012*, Athens, Greece, for the paper entitled "*The Value of a New Tissue Doppler Parameter to Predict Cardiac Death in Patients with Heart Failure.*"
- f. PN-III-P1-1.1-PRECISI-2021-64666 Award for the article "*Single-Pass VDD Pacing Lead for Cardiac Resynchronization Therapy: A Reliable Alternative.*" *Micromachines* (Basel). 2021 Aug 18;12(8):978.
- g. CNCSIS Research Results Award 2009, Stage II, for the article "*A Novel Index Combining Diastolic and Systolic Tissue Doppler Parameters for the Non-Invasive Assessment of Left Ventricular End-Diastolic Pressure.*" *Int J Cardiol* 2009;136(2):120–129.
- h. Third Prize, 21st National Symposium of Echocardiography, Bucharest, Romania, 26–27 May 2006, for the paper "*Left Atrial Surface Area Cut-off Value for Estimating Trapezoidal Shape in the Assessment of Atrial Cardiac Remodeling.*" Authors: Cozma D, Mornos C, Ionac A, Petrescu L, D. Drăgulescu, Stoica L, Drăgulescu SI.
- i. "Gheorghe Jovin" Award for the paper "*Left Atrial Shape and Surface Area – A Potential Ideal Parameter in the Evaluation of Atrial Anatomical Remodeling.*" Authors: Cozma D, Ionac A, Petrescu L, Mornos C, Ciorica G, Stoica L, Dan R, Golda F, Drăgulescu SI. Presented at the National Symposium of Echocardiography of the Romanian Society of Cardiology, Bucharest, May 2005.
- j. Third Prize – Poster Award Session, European Section Meeting of the International Academy of Cardiovascular Sciences, "*Heart Diseases: How New Research May Lead to New Treatments*", 8–10 October 2015, Belgrade, Serbia. Paper: "*Inhibition of Monoamine Oxidase Restores Normal Vascular Function in Diseased Human Mammary Arteries Isolated from Patients Undergoing Heart Surgery.*" Published in the conference abstract book, p.144, ISBN 978-86-904799-8-6.
- k. First Prize MEDIS 2008 – Ruxandra Julia Joikits; Coordinator: Cristian Mornos. "*Noninvasive Visualization of Coronary Artery Bypass Grafts Using 64-Multislice Computed Tomography.*" MEDIS 2008, The XIIth International Congress for Medical Students and Young Doctors, 22–24 May 2008, Timișoara, Romania.

l. Guest Editor of ISI-indexed journals: *Life, Diagnostics, BioMed Research International*
m. Associate Editor – *Romanian Journal of Cardiology*

Timișoara,
28.02.2026

Prof. dr. Cristian Mornos