

CURRICULUM VITAE

Nume si prenume

Mornoș Cristian

Date personale

Data nasterii: 1 noiembrie 1974

Domiciliu: Romania, Timisoara

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Situatie familiala: casatorit

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Limbi straine: engleza, franceza

Funcție actuala

Conferentiar la Disciplina de Cardiologie, Departamentul VI de Cardiologie al Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara

Medic primar cardiolog la Clinica de Cardiologie a Institutului de Boli Cardiovasculare Timisoara

Coordonator al Departamentului de Cardiologie Interventionala si Cateterism Cardiac al Institutului de Boli Cardiovasculare din Timisoara

Studii

1989 – 1993: Liceul Sanitar Arad

1993: Bacalaureat

1993 – 1999: student la Universitatea de Medicina si Farmacie "Victor Babes" Timisoara – Facultatea de Medicina Generala

2000-2001: medic stagiar Spitalul Clinic nr 1 Judetean Timisoara

2001-2007: Rezidentiat in specialitatea cardiologie

2005 aprilie - noiembrie: stagiu de pregatire AFS Cardiologie in Clinica de Cardiologie si Hipertensiune Arteriala a Spitalului CHU Grenoble, Franta

2006 – 2009 : doctorand in specialitatea cardiologie la Universitatea de Medicina si Farmacie “Victor Babes” Timisoara

2009: Doctor in Medicina prin sustinerea lucrarii cu titlul “Noi modalitati de evaluare a functiei ventriculare stangi prin utilizarea ecocardiografiei Doppler tisular” in baza Ordinului Ministrului Educatiei, Cercetarii si Inovarii 6026/27.11.2009

2010 Iunie: stagiu de pregatire in Cardiologie Interventionala la Clinical Center Ljubljana, Slovenia sub conducerea Dr. Darko Zorman

2013-2014: Programul de formare psihopedagogica, Universitatea de Vest Timisoara – Nivelul I si respectiv Nivelul II (adev. nr. 306 si respectiv 307/16.07.2014)

Experienta profesionala

2000-2001: medic stagiar Spitalul Judetean Timisoara

2002-2003: medic rezident cardiolog Spitalul Judetean Timisoara

2003-2007: medic rezident cardiolog la Clinica de Cardiologie a Institutului de Boli Cardiovasculare Timisoara.

2005 aprilie - noiembrie: medic intern la Clinica de Cardiologie si Hipertensiune Arteriala a Spitalului CHU Grenoble, Franta

2004-2007: preparator la Clinica de Cardiologie, Cardiologie Interventionala si Electrofiziologie - UMF " Victor Babes" Timisoara.

2007 pina in 2013: asistent universitar la Clinica de Cardiologie, Cardiologie Interventionala si Electrofiziologie - UMF " Victor Babes" Timisoara

2007 pina in 2012: medic specialist cardiolog la Clinica de Cardiologie a Institutului de Boli Cardiovasculare Timisoara.

2012 pina in prezent: medic primar cardiolog la Clinica de Cardiologie a Institutului de Boli Cardiovasculare Timisoara.

2013 - 2015: Sef de Lucrari la Disciplina de Cardiologie II, Departamentul VI de Cardiologie al Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara

2014 pina in prezent: Coordonator al Departamentului de Cardiologie Interventionala si Cateterism Cardiac al Institutului de Boli Cardiovasculare din Timisoara

2015-pina in prezent: Conferentiar la Disciplinele Patologie clinica; Evaluarea si tratamentul bolilor cardiovasculare; Electrocardiografie, Departamentul VI de Cardiologie al Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara

Competente

Competenta in ecocardiografie generala

Competenta in cardiologie interventionala

Competenta in ecocardiografie transesofagiana

Cursuri de pregatire/Participari Congrese

2003

- Simpozion cu tema " Endoteliul – tinta tratamentului antihipertensiv dincolo de valorile TA ", Timisoara
- Simpozion cu tema "HTA-problema de sanatate Publica", Timisoara
- Al 42-lea Congres National de Cardiologie, Sinaia

2004

- Al 42-lea Congres National de Cardiologie, Poiana Brasov
- A XIII-a Conferinta Nationala de Cardiologie Preventiva si Recuperare Cardiovasculara, Poiana Brasov, mai 2004

2006

- Cardiac Rehabilitation in Europe, Timisoara, January 2006
- Al XXI-lea Simpozion National de Ecocardiografie, Bucuresti, Mai 2006
- Al XLV-lea Congres National de Cardiologie, Poiana Brasov, 23-26 septembrie 2006
- Euroecho 10 - The Tenth Annual Meeting of the European Association of Echocardiography, Prague, 6-9 December, 2006
- Curs de ecocardiografie pentru avansati, Timisoara, 1-30 noiembrie, 2006

2007

- EAE Educational Course Organised with the Romanian Working Group on Echocardiography, "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 may, 2007
- The 11'th Danubian Forum for cardiac surgery , organized by the Romanian Society of Cardiovascular Surgery, Timisoara, June 2007
- Al 46-lea Congres National de Cardiologie, Sinaia, 14-18 septembrie 2007
- Euroecho 2007 - The Eleventh Annual Meeting of the European Association of Echocardiography, Lisbon, 5-8 December 2007.

2008

- EUROPCR 2008, Barcelona, 13-16 may 2008
- Heart Failure 2008 Congress, Milan, 14-17 June 2008
- EUROSON 2008, 31 May-3 June, Timisoara, Romania
- Managementul modern al HTA: privind dincolo de scaderea tensiunii arteriale, Timisoara, 10 iunie 2008
- Conferinta Nationala a Grupurilor de Lucru ale Societatii Romane de Cardiologie, Brasov, 8-10 mai 2008
- Al 47-lea Congres National de Cardiologie, Sinaia, 20-23 septembrie 2008
- EAE Teaching Course Transthoracic Echocardiography – from basic knowledge to advanced clinical applications, 16-18 october 2008, Szeged, Hungary
- Acute Cardiac Care 2008, 25-28 octobree 2008, Versailles, France
- EUROECHO 2008 - The Twelfth Annual Meeting of the European Association of Echocardiography, Lyon, 10-13 December 2008

2009

- Business Presentations Program (TMI Romania), Timisoara, 20 Martie 2009
- Our Approach to Bifurcation Lesion (Curs BASICS), Belgrad, 6 aprilie 2009
- The BASICS+5th Belgrade Summit of Interventional Cardiologists, Belgrad, 5-8 aprilie 2009
- Conferinta Nationala a Grupurilor de Lucru ale Societatii Romane de Cardiologie, Brasov 7-9 mai 2009
- Cursul „ECO – Evaluarea functiei ventriculare: ce poate oferi ecocardiografia?” Timisoara, Romania, 11-12 iunie 2009

- „Echocardiography Today and Tomorrow 9th International Symposium”, St Wolfgang, Austria 22-26 June 2009
- „Workshop on Speckle Tracking”, St Wolfgang, Austria 22-26 June 2009
- Al 48-lea Congres National de Cardiologie, Sinaia, Romania, 19-22 septembrie 2009
- European Society of Cardiology Congress 2009, Spain, Barcelona, 29 august - 2 septembrie 2009
- EUROECHO 2009 - Annual Meeting of the European Association of Echocardiography, Spain, Madrid, 9-12 December 2009
- Conferinta Nationala de Medicina a Familiei, Bucuresti, 29–31 Octombrie 2009

2010

- „Decizii dificile in managementul insuficientei cardiace”, Timisoara, Romania, 12 februarie 2010
- EUROPCR 2010, Paris, France, 25-28 may 2010
- „Virtual Reality Training Session on Practical Solutions to AMI Patient Care” during EUROPCR 2010, Paris, France, 25-28 may 2010
- CONFIRM – 2D/3D carotid ultrasonography. Three sonographer training sessions. Prof. Dr. Malte Ludwig, october – december 2010, Feldafing, Germany.
- EUROECHO 2010 - Annual Meeting of the European Association of Echocardiography, Copenhagen, Denmark, 8-11 December 2010

2011

- EuroPCR 2011, Paris, France, 17-20 May 2011
- A decade of Progress in Pulmonary Hypertension – Improving outcomes for the future; 10th International Pulmonary Hypertension Forum, Munich, Germany, 25-27 March 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 June 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 June 2011
- „20 de ani de Chirurgie Cardiaca in Timisoara”, 16-17 septembrie 2011, Timisoara, Romania
- Al 50-lea Congres National de Cardiologie, Sinaia, Romania, 29 septembrie – 1 octombrie 2011.
- The Bridge: Scientific Exchange in Cardiology III. Budapest, Oct 13-14, 2011

- Euroecho and Other Imaging Modalities 2011, Budapesta, Ungaria, 7-10 decembrie 2011

2012

- JIM – Join Interventional Meeting 2012, Roma, Italia, 9-11 februarie 2012
- Heart Failure 2012 Congress, Belgrad, Serbia, 19-22 Mai 2012
- 11th International Pulmonary Hypertension Forum, Dublin , Irlanda, 11-13 mai 2012
- Al 51-lea Congres National de Cardiologie, Sinaia, Romania, 4-6 octombrie 2012
- European Society of Cardiology Congress 2012, Munchen, Germania, 25 - 29 august 2012
- Conferinta si Workshop de Cercetare avansata „Moartea subita cardiaca & Cardioprotectia”, Timisoara, 6-9 septembrie 2012
- Acute Cardiac Care 2012, Istanbul, Turcia, 20-22 octobrie 2012
- Euroecho and Other Imaging Modalities 2012 Congress, Atena, Grecia, 5-8 decembrie 2012

2013

- The 12th International Pulmonary Hypertension Forum, Hamburg, Germany, 12-14 aprilie 2013
- 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
- Cursul „Cazuri dificile in Cardiologia de Urgenta”, 25 octombrie 2013, Timisoara, Romania
- Congresul National de Cardiologie, Sinaia, Romania, 3-5 octombrie 2013
- Euroecho and Other Imaging Modalities 2013 Congress, Istanbul, Turkey, 11-14 december 2013

2014

- Edwards SAPIEN XTTM THV training program, 29-30 aprilie 2014, Nyon, Elvetia
- 13th International Pulmonary Hypertension Forum, Lisabona, Portugalia, 4-6 aprilie 2014
- European Society of Cardiology Congress 2014, Barcelona, Spania, 30 august - 3 septembrie 2014

- Congresul National de Cardiologie, Sinaia, Romania, 2-4 5 octombrie 2014
- Dale Carnegie Training – High Impact Presentation, Urlati, Romania, 31 octombrie - 1 noiembrie 2014
- EuroEcho Imaging 2014, Viena, Austria, 3-6 decembrie 2014

2015

- Conferinta Nationala a Grupurilor de Lucru ale Societatii Romane de Cardiologie, Sibiu 7-9 mai

2015

- EUROPCR 2015, Paris, France, 19-22 may 2015

- Al 54-lea Congres National de Cardiologie, Sinaia, Romania, 17-19 septembrie 2015

- Curs „Imagistica in cardiomiopatii” organizat de catre Grupul de lucru de ecocardiografie si alte metode imagistice a Societatii Roamne de Cardiologie, 16 octombrie 2015, Iasi, Romania

- Certification program on Fraction Flow Reserve and Optical Coherence Tomography during the 4th FFR / OCT PCI optimization workshop, BUDAPEST - 10-11th of December, 2015

2016

- Curs „Imagistica in cardiomiopatii” organizat de catre Grupul de lucru de ecocardiografie si alte metode imagistice a Societatii Roamne de Cardiologie, 11 martie 2016, Timișoara, Romania

- Cursul NSTEMI. Probleme de diagnostic si tratament, martie 2016, Brasov Romania

- 15th International Pulmonary Hypertension Forum, Expanding horizons – Staying ahead of disease pregression, Barcelona, Spain, 18-20 March 2016

- Congresul National de Medicina Interna, 6-9 aprilie 2016, Calimanesti, Romania

Afilieri stiintifice

Membru al Societății Române de Cardiologie din 2006

Membru al Societății Europene de Cardiologie din 2006

Membru al Grupului de Lucru de Ecocardiografie al Societății Române de Cardiologie din 2006 (*din 2014 pina in prezent: Secretar al Grupului de Lucru de Ecocardiografie si alte Metode Imagistice din cadrul Societatii Romane de Cardiologie*)

Membru al Asociației Europene de Ecocardiografie din 2008

Membru al Grupului de Lucru de Cardiologie Interventionala al Societății Române de Cardiologie din 2008

Membru al Asociatie Europene de Insuficienta Cardiaca din 2009

Membru al WG27 - Acute Cardiac Care din 2009

Membru al European Association of Percutaneous Cardiovascular Interventions din 2010

Membru al WG20 - Hypertension and the Heart din 2010

Director de proiect

1. Programul PN II Resurse Umane; Proiecte de cercetare postdoctorala PD

526/2010. Rolul ecocardiografiei speckle tracking in detectarea precoce a afectarii miocardice la pacientii tratati cu citostatice: studiu comparativ cu ecocardiografia Doppler tisular si de contrast. Valoare proiect 325940 lei.

Datele obtinute in cadrul acestui proiect de cercetare au fost concretizate in:

- 5 articole in extenso publicate in reviste indexate ISI;
- 2 articole in extenso in reviste indexate in baze de date internationale;
- 25 de lucrari publicate in rezumat acceptate la diverse congrese organizate sub egida Societatilor Europeana si respectiv Americana de Cardiologie si publicate in reviste indexate ISI;
- 3 lucrari acceptate la Congreesele Europene sub forma de poster moderat;
- 3 lucrari acceptate pentru prezentare orala la diverse congrese organizate sub egida Societatilor Europeana si respectiv Americana de Cardiologie;
- o monografie care isi propune sa popularizeze noile tehnici de evaluare ecocardiografica in practica zilnica;
- cursuri si seminarii pentru studenti, medici rezidenti si specialisti.

Lucrari in extenso publicate in cadrul acestui proiect:

- a. C Mornoș, D Rușinaru, AJ Manolis, I Zacharopoulou, A Pittaras, A Ionac. The Value of a new speckle tracking index including left ventricular global longitudinal strain and torsion in patients with dilated cardiomyopathy. *Hellenic J Cardiol* 2011; 52: 299-306.
- b. Mornos C, Petrescu L, Cozma D, Ionac A, Pescariu S, Dragulescu SI. A new tissue doppler index in predicting future atrial fibrillation in patients with heart failure. *Arq Bras Cardiol* 2011;97(6):468-77.
- c. Mornos C, Rusinaru D, Ionac A, Petrescu L, Cozma D, Pescariu S, Dragulescu SI. Additive value of torsion to global longitudinal left ventricular strain in patients with reduced ejection fraction. *Acta Cardiol* 2011;66(5):565-72.
- d. 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.

e. 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.

f. C Mornos, A Ionac. The place of echocardiography in the assesment of patients receiving cardiotoxic cancer therapies: new horizons. *TMJ* 2011: 61(3 - 4): 232 -238.

2. Programul PN II Resurse Umane; Proiecte de cercetare pentru tineri doctoranzi

TD nr. 530/2007. Noi modalități de evaluare a funcției ventriculare prin utilizarea ecocardiografiei Doppler tisular. Valoare proiect 38500 lei.

Datele obtinute in cadrul acestui proiect de cercetare au fost concretizate in:

- 4 articole in extenso publicate in reviste indexate ISI;
- 5 articole in extenso in reviste indexate in baze de date internationale;
- 22 de lucrari publicate in rezumat acceptate la diverse congrese organizate sub egida Societatilor Europeana si respectiv Americana de Cardiologie si publicate in reviste indexate ISI;
- 4 lucrari acceptate pentru prezentare orala la diverse congrese organizate sub egida Societatii Europene de Cardiologie (ESC Congress 2009, EUROECHO 2009, EUROECHO 2007, EUROSON 2008) si respectiv 4 lucrari prezentate oral la Congresul National de Cardiologie.
- 18 lucrari prezentate sub forma de postere la congrese internationale;
- cursuri si seminarii pentru studenti, medici rezidenti si specialisti.

Lucrari in extenso publicate in cadrul acestui proiect: 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.

3. Programul PN II Resurse Umane; Proiecte de mobilitate a cercetătorilor MC

nr. 3/2007. The role of tissue Doppler echocardiography in the evaluation of NTproBNP level in patients with dilated cardiomyopathy. Viena, 1-5 septembrie 2007. Valoare totala 6900 lei.

Rezultate obtinute: sustinerea prezentarii cu titlul „The role of tissue Doppler echocardiography in the evaluation of NTproBNP level in patients with dilated cardiomyopathy”, lucrare publicata in volumul Congresului European de Cardiologie 2007, *European Heart Journal* 2007; Vol.28 (Abstract Supplement):369.

4. Programul PN II Resurse Umane; Proiecte de mobilitate a doctoranzilor MD

nr 36/2007. Ecocardiografia Doppler tisular: o metoda neinvaziva de evaluare a functiei ventriculare stangi. Valoare proiect 8500 lei.

Rezultatele obtinute au fost prezentate sub forma de poster la conferinte nationale si internationale (CHEST Meeting, Canadian Cardiovascular Congress, Congresul SRC) si publicate in volumele congreselor:

- a. C Mornos, A Ionac, D Cozma, A Lupu, D. Dragulescu, A Bokor, D Maximov, C Sarau, SI Dragulescu. Rolul ecocardiografiei Doppler tisular in evaluarea nivelului NTproBNP seric in cardiomiopatia dilatativa. *Revista Romana de Cardiologie 2007; XXII (supl A):*
- b. C Mornos, A Ionac, D Cozma, D Maximov, A Bokor, D. Dragulescu, A Lupu, C Sarau, SI Dragulescu. Corelatia dintre velocitatile inelului mitral in ecocardiografia Doppler tisular si nivelul NTproBNP seric la pacientii cu E/Ea intre 8 si 15. *Revista Romana de Cardiologie 2007; XXII (supl A): A186.*
- c. C. Mornos, A. Ionac, D. Cozma, D. Maximov, L Petrescu, A. Lupu, S.I. Dragulescu. Noninvasive Assessment of Left Ventricular Filling Pressures: Tissue Doppler Echocardiography or NTproBNP Levels? *Chest Meeting Abstracts 2007; 132 (4): 476b .*
- d. C. Mornos, A. Ionac, D. Cozma, D. Maximov, L. Simion, S.I. Dragulescu Estimation of Left Ventricular Filling Pressure Using Tissue Doppler Echocardiography in Patients With Intermediate E/Ea. *Chest Meeting Abstracts 2007; 132 (4): 578b.*
- e. C Mornos, A Ionac, D Cozma, D Maximov, A Lupu, A Bokor, SI Dragulescu. The place of tissue doppler imaging in estimation of the NTproBNP levels in patients with dyspnea; *The Canadian Journal of Cardiology 2007; 23 (Supplement SC): 0464.*
- f. C Mornos, A Ionac, D Maximov, A Lupu, B Mut, C Sarau, SI Dragulescu. Noninvasive assessment of left ventricular filling pressures: tissue Doppler echocardiography or NTproBNP levels? *The Canadian Journal of Cardiology 2007; 23 (Supplement SC): 0563.*

5. Proiecte Interne UMFVB Timisoara, Programul 3 – Parteneriate în cercetarea fundamentală inovativă: PIII-C1-CFI-2014/2015-04 Contributia stressului oxidativ indus de monoaminoxidaze la disfunctia cardiovasculara si prognosticul pacientilor coronarieni cu si fara diabet zaharat. Valoare proiect : 30000 Euro.

Datele obtinute in cadrul acestui proiect de cercetare au fost concretizate in:

- 2 lucrari acceptate pentru prezentare orala la Congresul National de Cardiologie ;
- 9 lucrari prezentate sub forma de poster la The 3rd Congress of Physiological Sciences of Serbia, Targeting Mitochondria World Congress 2014, 1st Scientific Conference and

2nd management Committee meeting 2014 si EuroEcho 2014;

- 2 articole in extenso publicate in reviste indexate ISI.

Lucrari in extenso publicate in cadrul acestui proiect:

a. O Duicu, A Sturza, L Noveanu, D Muntean. Mitochondria and endothelial dysfunction: A glimpse of monoamine oxidases. *Exp Clin Cardiol* 2013;18(Suppl A):52A-56A.

b. Duicu O, Lighezan R, Sturza A, ..., Mornos C. Monoamine Oxidases as Potential Contributors to Oxidative Stress in Diabetes: Time for a Study in Patients Undergoing Heart Surgery. *BioMed Research International* 2015 Article ID 515437

(<http://www.hindawi.com/journals/bmri/aa/515437/>).

c. 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. *Oxidative Medicine and Cellular Longevity* 2016, Article ID 8254942, 19 pages

(<http://www.hindawi.com/journals/omcl/2016/8254942/>).

d. 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. *Oxidative Medicine and Cellular Longevity* 2016, Article ID 8470394, 12 pages.

(<http://dx.doi.org/10.1155/2016/8470394>).

e. R Lighezan, A Sturza, OM Duicu, R A Ceausu, A Vaduva, M Gaspar, H Feier, MA Vaida, V Ivan, D Lighezan, DM Muntean, C Mornoș. Monoamine oxidase inhibition improves vascular function in mammary arteries from non-diabetic and diabetic patients with coronary heart disease. *Canadian Journal of Physiology and Pharmacology*, 2016 doi 10.1139/cjpp-2015-0580

Membru in echipa de cercetare

1. Program CNCSIS Nr. 71/2005. Aprobat pentru finantare in 2005. Beneficiul recuperarii cardiace comprehensive a pacientilor cu by-pass aorto-coronarian asupra disfunctiei endoteliale - studiu corelativ cu polimorfism NO sintetazei endoteliale.

2. Program CNCSIS Nr. 74/2005. Aprobat pentru finantare in 2005. Reconstructia ecocardiografica tridimensionala a anatomiei aparatului valvular mitral la pacientii cu boala mitrala.

3. Proiect CEEEX nr. 146/2006. Evaluarea multimarker a răspunsului la terapia de resincronizare cardiacă la pacienții cu insuficiență cardiacă cronică.

4. Programul PN II IDEI; Proiecte de cercetare exploratorie nr. 1260/2007. Optimizarea managementului disfuncțiilor valvulare cardiace prin utilizarea tehnicilor de ecocardiografie tridimensională.
5. Program CNCISIS Nr.1106/2006. Utilizarea alogrefelor în patologia radacini.
6. CNMP Programul 4 “Parteneriate în domeniile prioritare”; Contract 42-119-4/1.10.2008. Endocardita infecțioasă bacteriană – dezvoltarea unui model funcțional de supraveghere și caracterizare a agenților etiologici, bazat pe metode moleculare și imunologice.

Lector la cursuri postuniversitare

1. Cursul „ECO – Evaluarea funcției ventriculare: ce poate oferi ecocardiografia?”
Timisoara, Romania, 11-12 iunie 2009
2. Ecocardiografia transtoracică - Metoda uzuală de investigație. UMF “Victor Babes”
Timisoara, 06.02-30.03.2012.
3. Cardiomiopatia restrictivă. EUROSON 2008, 31 mai -3 June 2008, Timisoara,
Romania
4. Ecocardiografie transesofagiană în ATI. Curs organizat de către Catedra de
Cardiologie II a Universității de Medicină și Farmacie “Victor Babes” din Timisoara pentru
medici specialiști ATI în perioada 19-27.10.2007
5. Ecocardiografia transtoracică - metoda uzuală de investigație. Curs organizat de către
Catedra de Cardiologie II a Universității de Medicină și Farmacie “Victor Babes” din Timisoara
pentru medici specialiști cardiologie și rezidenți an VI, în perioada 15.01-15.03.2008.
6. Ecocardiografia transesofagiană în practica clinică. UMF “Victor Babes”, Timisoara,
12 – 24.04.2010.
7. Actualități în ecocardiografie. Curs organizat de către Disciplina de Cardiologie a
Universității de Medicină și Farmacie “Victor Babes” din Timisoara, 10.10-10.11.2011
8. Ecocardiografia transesofagiană în practica clinică. Curs organizat de către Disciplina
de Cardiologie a Universității de Medicină și Farmacie “Victor Babes” din Timisoara, 09-
21.04.2012.
9. Actualități în ecocardiografie. Curs organizat de către Disciplina de Cardiologie a
Universității de Medicină și Farmacie “Victor Babes” din Timisoara, 14.10-08.11.2013
10. Ecocardiografia transesofagiană în practica clinică. Curs organizat de către Disciplina

de Cardiologie a Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara, 12-23.05.2013

11. Ecocardiografia transtoracică - metoda uzuală de investigație. Curs organizat de catre Disciplina de Cardiologie a Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara, 03.02-28.03.2014

12. Actualități in ecocardiografie. Curs organizat de catre Disciplina de Cardiologie a Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara, 20.10-14.11.2014

13. Cardiologie interventionala, Curs organizat de catre Disciplina de Cardiologie a Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara, 01.10.2014-01.06.2015

14. Ecocardiografia transtoracică - metoda uzuală de investigație. Curs organizat de catre Disciplina de Cardiologie a Universitatii de Medicina si Farmacie "Victor Babes" din Timisoara, 02.02-31.03.2015

15. Curs „ Imagistica in cardiomiopatii” organizat de catre Grupul de lucru de ecocardiografie si alte metode imagistice a Societatii Roamne de Cardiologie, 16 octombrie 2015, Iasi, Romania

16. Curs „ Imagistica in cardiomiopatii” organizat de catre Grupul de Lucru de Ecocardiografie si Alte Metode Imagistice 13 martie 2015, Bucuresti, Amfiteatrul Institutului Clinic Fundeni

17. Curs „ Imagistica in cardiomiopatii” organizat de catre Grupul de Lucru de Ecocardiografie si Alte Metode Imagistice, 11 martie 2016, Timisoara, Romania

18. Congresul National de Medicina Interna, 6-9 aprilie 2016, Calimanesti, Romania

Cercetare/Publicatii

Carti publicate:

1. **Cristian Mornos**, Adina Ionac. Ecocardiografia Doppler tisular si speckle tracking. Timisoara, Editura Brumar, 2011. ISBN 978-973-602-655-3
2. Adina Ionac, **Cristian Mornos**, Stefan I. Dragulescu. Diagnosticul ecocardiografic in valvulopatiile mitrale si aortice. Timisoara, Editura Brumar, 2006. ISBN (10) 973-602-232-3, ISBN (13) 978-973-602-232-6.
3. Adina Ionac, **Cristian Mornos**, Sorin Pescariu, Stefan I. Dragulescu. Ecocardiografie practica – Imagini comentate. Timisoara, Editura Brumar, 2007. ISBN 978-973-602-306-4.

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100. OM Duicu, R Lighezan, A Sturza, R Balica, A Vaduva, H Feier, M Gaspar, C Borza, A Ionac, **C Mornos**, DM Muntean. Assessment of monoamine oxidases contribution to the cardiovascular dysfunction in human diabetic hearts. *2nd European Section Meeting of the International Academy of Cardiovascular Sciences "Heart Diseases: How New Research May Lead to New Treatments"*. 8-10 octombrie 2015, Belgrad, Serbia Prezentare poster.
101. O M Duicu; R Lighezan; R Balica; A Sturza; A Vaduva; H Feier; M Gaspar; C Borza; D Muntean; **C Mornos**. Assessment of mitochondrial dysfunction and monoamine oxidase contribution to oxidative stress in coronary patients with and without diabetes. *Heart Failure 2015*, 23-26 May, Seville, Spain. Prezentare poster.
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arteries isolated from patients undergoing heart surgery. *European Section Meeting of the International Academy of Cardiovascular Sciences "Heart Diseases: How New Research May Lead to New Treatments"*. 8-10 octombrie 2015, Belgrad, Serbia. Lucrare premiată cu Premiul al III-lea - Poster Award Session. Prezentare poster.

104. A. Sturza, O.M. Duicu, R. Lighezan, L. Noveanu, A. Vaduva, H. Feier, M Gaspar, C. Borza, A. Ionac, D.M. Muntean, **C. Mornos**. Monoamine oxidase inhibition improves endothelium-dependent relaxation in diseased human mammary arteries. *The 49th Annual Scientific Meeting of the European Society for Clinical Investigation Cluj-Napoca, Romania 27 – 30 May 2015. Prezentare orală*

105. **C Mornos**. Imagistica in cardiomiopatii - Displazia aritmogena de ventricul drept. Curs organizat de catre Grupul de Lucru de Ecocardiografie si Alte Metode Imagistice, 16 octombrie 2015, Iași, Hotel Unirea, *Prezentare orală*

106. **C.Mornos**. Tratatamentul intervențional al sindromului coronarian acut. Al 13-lea Congres Național al Federației Române de Diabet, Nutriție, Boli Metabolice, 4-6 Noiembrie 2015. Timișoara, *Prezentare orală*

107. **C Mornos**. Imagistica in cardiomiopatii - Cardiotoxicitatea terapiilor oncologice. Curs organizat de catre Grupul de Lucru de Ecocardiografie si Alte Metode Imagistice, 11 martie 2016, Timisoara, UMF Timisoara, *Prezentare orală*

108. **C Mornos**. Imagistica in cardiomiopatii – Displazia aritmogena de ventricul drept. Curs organizat de catre Grupul de Lucru de Ecocardiografie si Alte Metode Imagistice, 11 martie 2016, Timisoara, UMF Timisoara, *Prezentare orală*

109. **C Mornos**. Cardiooncologie - Congresul National de Medicina Interna, 6-9 aprilie 2016, Calimanesti, Romania, *Prezentare orală*

Participari la trialuri internationale:

1. EUROSPIRE III (European action on secondary and primary prevention pf coronary heart disease in order to reduce events).
2. CONFIRM (The CONFIRMatory olmesartan plaque regression study).
3. ICE (The International Collaboration on Endocarditis).
4. SIGNIFY (Study assessInG the morbidity–mortality beNefits of the I_f inhibitor ivabradine in patients with coronarY artery disease).

Referent al unor reviste stiintifice internationale cotate ISI:

Journal of Cardiovascular Medicine

Diabetes Research and Clinical Practice

Journal of Pharmacological and Toxicological Methods

International Journal of Cardiology

The Anatolian Journal of Cardiology

Experimental & Clinical Cardiology
Cancer Medicine
Medical Ultrasonography

Referent al unei reviste științifice românești peer-review:

Timisoara Medical Journal

Alte forme de recunoastere ale meritelor științifice:

1. Diploma de participare la ***Young Investigators' Awards*** cu lucrarea "Estimation of left ventricular filling pressure using Doppler echocardiography in patients with intermediate E/Ea", Euroecho 2007, Lisabona, Portugalia
2. ***High-scorer abstract*** la EUROECHO & other Imaging Modalities Congress 2011, Budapesta, Ungaria pentru lucrarea "A new tissue Doppler parameter in predicting future development of atrial fibrillation in patients with left ventricular dysfunction".
3. ***High-scorer abstract*** la EUROECHO & other Imaging Modalities Congress 2011, Budapesta, Ungaria pentru lucrarea "Prognostic value of a new Tissue Doppler index in patients with non-revascularized coronary artery disease".
4. ***Premierea rezultatelor cercetării CNCSIS 2009***, Etapa a IIa pentru articolul "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"
5. ***High-scorer abstract*** la EUROECHO & other Imaging Modalities Congress 2012, Atena, Grecia pentru lucrarea "The value of a new tissue Doppler parameter to predict cardiac death in patients with heart failure".

6. Citări în reviste cotate ISI:

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Echocardiography 2011;28(6):619-25

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7. Citări în reviste internaționale necotate ISI:

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Conf Proc IEEE Eng Med Biol Soc. 2006;1:3943-6
Chinese Journal of Cardiac Arrhythmias 2008; 5: 385-386
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8. **Senior Editor** (2015) *Revista Ecoforum*; ISSN Ecoforum (online) = ISSN 2248-3535ISSN – L = 2248-3535

9. **Lucrare premiată cu Premiul al III-lea - Poster Award Session** in cadrul *European Section Meeting of the International Academy of Cardiovascular Sciences "Heart Diseases: How New Research May Lead to New Treatments"*, 8-10 octombrie 2015, Belgrad, Serbia, autori: A Sturza, O Duicu, R Lighezan, R Balica, A Vaduva, H Feier, M Gaspar, C Borza, D Muntean, C Mornos. Inhibition of monoamine oxidase restores normal vascular function in diseased human mammary arteries isolated from patients undergoing heart surgery. Lucrare publicată în volumul de rezumate al conferinței. Abstract book, p.144, ISBN 978-86-904799-8-6

10. **Referent teze doctorat:**

a. Dr. Monica Roșca - Impactul clinic al remodelării atrio-ventriculo-arteriale la pacienții cu cardiomiopatie hipertrofică, Universitatea de Medicină și Farmacie „Carol Davila”

București, Ordinul rectorului 38343/15.12.2015

b. Dr. Enache Roxana - Evaluarea parametrilor de funcție ventriculară stângă la pacienții cu regurgitare aortică cronică severă cu fracție de ejeție a ventriculului stâng normală, Universitatea de Medicină și Farmacie „Carol Davila” București, Ordinul rectorului 11276/28.05.2015

11. **Membru Consiliu Științific:**

a. Al 54-lea Congres Național de Cardiologie 2015, Sinaia, România

b. ESC Congress 2016, Roma, Italy - Abstract Review Committee

Timisoara,

10.09.2016

dr. Cristian Mornos

