

## CURRICULUM VITAE ET STUDIORUM



Nume: **PETRESCU**

Prenume: **LUCIAN**

### Calificare actuală:

- Profesor Universitar - Departamentul VI Cardiologie – U.M.F. “Victor Babeș” Timișoara  
Director Departamentul VI Cardiologie, Șef Disciplina Cardiologie II –  
2018 - martie 2021
- Ex Șef Secție Cardiologie – Institutul de Boli Cardiovasculare Timișoara, până în martie 2021, în prezent pensionat.
- Medic primar medicină internă și cardiologie
- Activ în Școala Doctorală, conducător de doctorate, U.M.F. “Victor Babeș”, Timișoara, conform Actului Adițional nr. 404/17.08.2022 și Contractului individual de muncă nr. 68/21.05.2021, semnate de rectorul UMF “Victor Babeș” Timișoara

### **Școlarizare:**

- Liceul Teoretic " Constantin Diaconovici Loga " Timișoara – 1975
- Institutul de Medicină și Farmacie Timișoara, Facultatea de Medicină Generală, absolvită în 1982.

### **Experiență profesională:**

- Medic generalist - Dispensarul Medical Sacoșu Turcesc – Timiș
- Asistent universitar – Disciplina Chirurgie Cardiovasculară – UMF Timișoara, 1990
- Medic specialist Interne – 1994
- Medic specialist cardiolog – 1996
- Doctor în științe medicale – specialitate Cardiologie Intervențională – 1995
- Stagiu de instruire - cardiologie/intervențional - la Velbert Klinikum Essen - 1991
- Specializare cardiologie intervențională la Institute Arnault Tzanck – Nice, France – 1993
- Visiting Professor la Universidad Nacional del Nord – Este – Corrientes, Argentina - 1995
- Șef de lucrări – Disciplina Patologie Clinică și Terapeutică Medicamentoasă – 1996
- Medic primar interne – 1998
- Medic primar cardiologie – 1999
- Conferențiar – Catedra Cardiologie II – UMF Timișoara – 1998
- Profesor Universitar – Catedra Cardiologie II – UMF Timișoara – 2009 - 2021

### **Alte domenii de activitate:**

- Scriitor – Beletistică – membru al Uniunii Scriitorilor din România din 1991, autor a 5 volume de proză/roman și un volum de versuri, publicate, 2 premii pentru proză ale Uniunii Scriitorilor filiala Timișoara (1999, 2000).

### **Competențe:**

- **COMPETENȚĂ IN ECOCARDIOGRAFIE/TRANSESOFAGIANĂ**
- **COMPETENȚĂ IN CARDIOLOGIE INTERVENȚIONALĂ**

### **Cursuri:**

- |          |   |
|----------|---|
| 1993     | - Specializare cardiologie intervențională la Institute "Arnault Tzanck" – Nice, France |
| mai 1999 | - Curs de terapie endovasculară, Paris, Franța  |
| mai 2000 | - Curs de revascularizare coronariană și periferică, Paris, Franța                      |
| mai 2002 | - Curs de revascularizare coronariană și periferică, Paris, Franța                      |

mai 2003	- Curs de revascularizare coronariană și periferică, Paris, Franța
mai 2004	- Curs de revascularizare coronariană și periferică, Paris, Franța
mai 2005	- Curs de revascularizare coronariană și periferică, Paris, Franța
mai 2006	- Curs de revascularizare coronariană și periferică, Paris, Franța.

## **Activitate științifică**

### **1. Cărți, monografii, tratate:**

- "Terapia bolnavului critic coronarian" - C. Luca, **L. Petrescu**, Ed. Facla, 1987;
  - " Ecocardiografia Doppler cantitativă " - Ștefan I. Drăgulescu – colaboratori:
- L. Petrescu**, Adina Ionac, Ionuț Orăvișan, Ed. Helicon, 1993, Premiul Academiei Române - 1994;
- " Angioplastia coronariană primară de dezobstrucție in infarctul miocardic acut " - Șt, I. Drăgulescu, **L. Petrescu**, Ed. Univers Enciclopedic, 1996;

### **2. Capitole publicate în volume colective:**

1. **L. Petrescu**, Rodica Dan, M. Slovenski, D. Gavrilescu, B. Mut, C. Dină, Adina Ionac, C. Mornoș, D. Cozma, Șt. I. Drăgulescu: "Abordarea modernă diagnostică și terapeutică a cardiomiopatiei hipertrofice obstructive", în vol. "Progrese în cardiologie - volumul III" – sub egida Societății Române de Cardiologie, capitolul 5, Ed. Media Med Publicis, p. 169-184, 2008; (ISSN 1843-3731)
2. **Lucian P. Petrescu**, Rodica Dan: capitolul 13: "Cordul pulmonar cronic", în vol. "Patologia pulmonară a vârstnicului" – sub coordonarea V.M. Tudorache, F.D.Mihăișan, T.T.Mihăescu, Ed. Didactică și Pedagogică R.A., p. 243-255 , 2004; ( ISBN 973-30-1324-2)
3. **Lucian P. Petrescu**: capitolul 15: "Cardiologia invazivă diagnostică și intervențională", în vol. "Clinică Medicală – teorie și practică, vol. II, sub coordonarea V. Șerban, Șt.I.Drăgulescu, Ed. Marineasa, p. 480-499, 2000 ( ISBN 973-9485-46-4).
4. R. Dan, **L.Petrescu**, S. Crișan: Progrese în cardiologie 2012. Cap. Particularități de diagnostic și tratament la pacienții cu sindrom coronarian acut cu risc trombotic crescut primar și/sau secundar. Media Med Publicis, Bucuresti, 2012. (ISBN 973-87129-4-7).
5. R. Dan, **L. Petrescu**. Progrese in Cardiologie 2013. Cap. Impactul noilor anticoagulante orale in tratamentul tromboembolismului pulmonar. Media Med Publicis, 2013 (ISBN 973-87129-4-7).
6. S. Crișan, R. Dan, R.A. Nicola, **L.Petrescu**. Progrese în cardiologie 2014 Cap. Noi biomarkeri in boala coronariana:de la diagnostic la aprecierea riscului cardiovascular. Media Med Publicis, Bucuresti, 2014 (ISBN 973-87129-4-7).
7. R. Dan, **L. Petrescu**. Progrese în cardiologie 2014 Cap. Constante si abordari noi in socul cardiogen post-infarct miocardic acut. Media Med Publicis, Bucuresti, 2014 (ISBN 973-87129-4-7).
8. Calin Pop, **Lucian Petrescu**, Rodica Dan, Simina Crișan, Dan Filip, Antoniu Petris, Adrian Tase, Diana Tint. Ghid practic de urgente cardiovasculare.

- Cap. Tromboembolismul pulmonar-embolia pulmonara. Media Med Publicis, Bucuresti, 2014 (ISBN 978-606-8463-12-4).
9. Dan Filip, **Lucian Petrescu**, Rodica Dan, Simina Crisan, Gabriel Tatu-Chitoiu, Calin Pop. Ghid practic de urgente cardiovasculare. Cap. Sindroamele coronariene acute. Media Med Publicis, Bucuresti, 2014 (ISBN 978-606-8463-12-4).
  10. Diana Tint, Laurentiu Sorodoc, Simina Crisan, **Lucian Petrescu**, Diana Cimpoesu, Antoniu Petris, Claudia Matei, Calin Pop. Ghid practic de urgente cardiovasculare. Cap. Urgente cardiovasculare la gravide. Media Med Publicis, Bucuresti, 2014 (ISBN 978-606-8463-12-4).
  11. M. Croitoru, R. Dan, **L. Petrescu**, D. Filip. Ghid Practic de Urgente Cardiovasculare . Cap. Sindromul de ischemie acuta a membrelor. Media Med Publicis, Bucuresti, 2014 (ISBN 978-606-8463-12-4).
  12. R. Dan, **L. Petrescu**, V. Tudorache. Curs de pneumologie pentru rezidenti. Cap. Tromboembolismul pulmonar. Editura Mirton, Timisoara, 2013 (ISBN 978-9732-52-1362-6).
  13. **Petrescu Lucian**, Crisan Simina. Tromboembolismul pulmonar - o abordare contemporană Cap. Diagnosticul angiografic in tromboembolismul pulmonar. Editura Pim, Iasi, 2015 (ISBN 978-606-13-2656-3).
  14. **Petrescu Lucian**, Crisan Simina. Tromboembolismul pulmonar - o abordare contemporană Cap. Tratamentul intervențional în tromboembolismul pulmonar acut. Editura Pim, Iasi, 2015 (ISBN 978-606-13-2656-3).
  15. **Lucian Petrescu**, Simina Crisan, Rodica Dan. Cordul de functie la disfunctie- Bazele Clinice ale principalelor afectiuni Cardiace Cap. 7.6. Urgente in patologia cardiaca. Sindroamele acute coronariene. Editura Victor Babes, 2016, pag. 363-381 (ISBN 978-606-786-011-5).
  16. **Lucian Petrescu**, Simina Crisan. Tromboembolismul pulmonar in situatii clinice speciale. Capitolul XXI. Tromboembolismul pulmonar cu indicatie interventionala. Editura PIM, Iasi, 2017, pag 229-238 (ISBN 978-606-13-3734-7).
  17. Cristian Mornoș, **Lucian Petrescu**, Carmen Ginghină – Manual de CARDIOLOGIE, Capitolul 21 – Sindroame coronariene acute cu supradenivelare de ST, Editura Medicală București, 2020, 431-449
  18. **Current Innovations in Medicine and Medical Science - B P international, 27 Old Gloucester Street London WC1N 3AX, UK, 2022 – chapter - Assessment of Responsiveness to Cardiac Resynchronization Therapy: A Novel and Simple Exercise approach**

### 3. Articole/studii publicate în reviste de specialitate de circulație internațională recunoscute

1. Reduced Left Ventricular Twist Early after Acute ST-Segment Elevation Myocardial Infarction as a Predictor of Left Ventricular Adverse Remodelling, **Mihai Andrei Lazar**, Ioana Ionac, Constantin Tudor Luca, **Lucian Petrescu**, Cristina Vacarescu, Simina Crisan, Dan Gaita, Dragos Cozma, Raluca Sosdean, Diana-Aurora Arnautu, Alina Ramona Cozlac, Silvia-Ana Luca, Andra Gurgu,

- Claudia Totorean, Cristian Mornos,  
*Diagnostics* **2023**, 13(18), 2896; <https://doi.org/10.3390/diagnostics13182896>,  
**Revista ISI FI = 3,6**
2. Dose-dependent effects of acetaminophen and ibuprofen on mitochondrial respiration of human platelets **Alina Maria Bețiu**, Rodica Lighezan, Vlad Florian Avram, Danina Mirela Muntean Eskil Elmér, **Lucian Petrescu**, MDPI – *Diagnostics*,13, 9.09.2023 **Revistă ISI FI=3,6**
  3. Monoamine Oxidase (MAO) Is Expressed at the Level of Mitral Valve with Severe Regurgitation in Hypertrophic Obstructive Cardiomyopathy: A Case Report, Ana Lascu, Raluca Sosdean \*, Loredana Nicoleta Ionică, Alexandru S. Pescariu, **Lucian Petrescu**, Adina Ionac, Constantin T. Luca, Adrian Sturza and Horea B. Feier *Medicina* 2022, 58(12),1844; <https://doi.org/10.3390/medicina58121844> – **Revistă ISI FI – 2.948**
  4. Metformin Acutely Mitigates Oxidative Stress in Human Atrial Tissue: A Pilot Study in Overweight Non-Diabetic Cardiac Patients.: Lascu, A.; Ionica, L.-N.; Merce,A.-P.; Danila,M.-D.; **Petrescu,L.**; Sturza,A.; Muntean, D.-M.;Streian,C.G. *Life* 2022, 12, 2058. <https://doi.org/10.3390/life12122058> **Revistă ISI FI - 3.253**
  5. Mitochondrial Effects of Common Cardiovascular Medications: The Good, the Bad and the Mixed, Alina M. Bețiu, Lavinia Noveanu, Iasmina M. Hâncu, Ana Lascu, **Lucian Petrescu**, Christoph Maack, Eskil Elmér, \* and Danina M. Muntean, : 7 November 2022, *Int. J. Mol. Sci.* 2022, 23, 13653 (MDPI), **Revistă ISI FI – 6,208**
  6. Nonischemic Super-Responders in Fusion CRT Pacing with Normal Atrioventricular Conduction – E-V. Goanta, C-T. Luca, C. Vacarescu, S. Crisan, **L. Petrescu**, R. Vatasescu, M-A. Lazar, A. Gurgu, V-R. Turi, D. Cozma – 2022, 23 August, 12(9), 2032; MDPI – *Diagnostics* – **Revista ISI FI – 3,9**
  7. Monoamine oxidase is a source of cardiac oxidative stress in obese rats: the beneficial role of metformin - Adrian P. Merce, Loredana N. Ionică Anca M. Bîănă, Simona Popescu, Rodica Lighezan, **Lucian Petrescu** Claudia Borza, Adrian Sturza, Danina M. Muntean, Octavian M. Crețu – *Molecular and Cellular Biochemistry*. <https://doi.org/10.1007/s11010-022-04490-5>, 20 June 2022 **Revistă FI = 3,84**
  8. Assessment of Responsiveness to Cardiac Resynchronization Therapy: A Novel and Simple Exercise Approach Alina-Ramona Cozlac , Lucian Petrescu , Simina Crisan, Constantin Tudor Luca, Cristina Vacarescu, Caius Glad Streian, Mihai-Andrei Lazar , Andra Gurgu , Angela Dragomir, Emilia Violeta Goanta, Radu Vatasescu , Kandara Mohamed Chahine, Ciprian Rachieru and Dragos Cozma, DOI: 10.9734/bpi/cimms/v3/3528B, *Current Innovations in Medicine and Medical Science* Vol.3, 2022 **Revistă ISI - FI = 2,135**
  9. An Up-to-Date Article Regarding Particularities of Drug Treatment in Patients

with Chronic Heart Failure - Valentina Buda, Andreea Prelipcean, Dragos Cozma, Dana Emilia Man, Simona Negres, Alexandra Scurtu, Maria Suciu, Minodora Andor, Corina Danciu, Simina Crisan, Cristina Adriana Dehelean, **Lucian Petrescu** and Ciprian Rachieru - J. Clin. Med. 2022, 11, 2020.<https://doi.org/10.3390/jcm11072020> – **Revistă ISI FI = 5,58**

10. Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Amiodarone Toxicity - Alina M. Betiu, Imen Chamkha, Ellen Gustafsson, Elna Meijer, Vlad F. Avram, Eleonor Åsander Frostner, Johannes K. Ehinger, **Lucian Petrescu**, Danina M. Muntean\* and Eskil Elmér - Int. J. Mol. Sci. 2021, 22, 11786 – MDPI, : 29 October 2021, **Revistă ISI FI = 5,54**

11. Three-Dimensional Transesophageal Echocardiography as an Alternative to Multidetector Computed Tomography in Aortic Annular Diameter Measurements for Transcatheter Aortic Valve Implantation - Ciprian Nicusor Dima, Marian Gaspar, Cristian Mornos, Aniko Mornos, Petru Deutsch, Horia Cioloca, Simona Cerbu\*, Mihai Dinu, Bogdan Hoinoiu\*, Constantin Tudor Luca and **Lucian Petrescu**, *Biology MDPI, Biology* 2021, 10, 132. <https://doi.org/10.3390/biology10020132> **Revista ISI FI - 3,79**

12. Left Ventricular Remodeling Risk Predicted by Two-Dimensional Speckle Tracking Echocardiography in Acute Myocardial Infarction Patients with Midrange or Preserved Ejection Fraction in Western Romania - Diana Aurora Bordejevic, Tudor Pârvănescu, **Lucian Petrescu**, Cristian Mornoș, Ioan Olariu, Simina Crișan, Cristina Văcărescu, Mihai Lazăr, Vlad Ioan Morariu, Ioana Mihaela Citu, Mirela Cleopatra Tomescu, Dragoș Cozma, Therapeutics and Clinical Risk Management 2021:17 249–258, **Revista ISI FI – 1,88**

13. The Predictive Value of Endothelial Inflammatory Markers in the Onset of Schizophrenia, Gabriela Radu\*, Constantin Luca\* **Lucian Petrescu\***, Diana Aurora Bordejevic\*, Mirela Cleopatra Tomescu, Minodora Andor, Ioana Cîtu, Adelina Mavrea, Valentina Buda, Cătălin Tomescu, Florin Borcan, Liana Dehelean, Neuropsychiatric Disease and Treatment, 2020:16, 545-555. **Revistă ISI FI – 2,22**

14. Thrombospondin-1 Serum Levels In Hypertensive Patients With Endothelial Dysfunction After One Year Of Treatment With Perindopril, Valentina Buda, Minodora Andor, Carmen Cristescu, Mirela Cleopatra Tomescu, Danina M Muntean, Dana Emilia Bâibăț, Diana Aurora Bordejevic, Corina Danciu, Olivia Dalleur, Dorina Coricovac, Zorin Crainiceanu, Anca Tudor, Ionut Ledeti, **Lucian Petrescu**, Drug Design, Development and Therapy, 2019:13 3515–3526, **Revistă ISI FI – 3.208**

15. Current Perspectives in Facilitated Angioplasty ,Simina Crisan, Antoniu Octavian Petris, **Lucian Petrescu** and Constantin Tudor Luca, American Journal of Therapeutics 26, e208–e212 (2019), **Revista ISI FI – 1**

16. Therapeutic Advances in Emergency Cardiology: A Focus on Acute Myocarditis Simina Crisan, Diana Tint and **Lucian Petrescu**, American Journal of Therapeutics 26, e294–e300 (2019), **Revista ISI FI – 1**

17. Dragos Cozma, Cristina Vacarescu, **Lucian Petrescu**, Cristian Mornos, Emilia Goanta, Horea Feier, Constantin Tudor Luca, Gabriel Gusetu and 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, 531, **Revista ISI FI – 5,58**
  
18. Simina Crișan, **Lucian Petrescu**, Mihai Andrei Lazăr, Cristina Văcărescu, Alina-Ramona Nicola, Dragoș Cozma, Cristian Mornoș, Constantin Tudor Luca :Reduced ejection fraction heart failure – new data from multicenter studies and national registries regarding general and elderly populations: hopes and disappointments Clinical Interventions in Aging, 2018:13 651–656, **Revista ISI FI – 2,505**
  
19. Bordejevic DA, Caruntu F, Mornos C, Olariu I, **Petrescu L**, Tomescu MC, Citu I, Mavrea A, Pescariu S. Prognostic impact of blood pressure and heart rate at admission on in-hospital mortality after primary percutaneous intervention for acute myocardial infarction with ST-segment elevation in western Romania. Ther Clin Risk Manag. 2017 Aug 23;13:1061-1068, **Revista ISI FI – 2,200**
  
20. Mornos C, Munteanu D.M, Mornos A, Crisan S, **Petrescu L**, Ionac A, Sosdean R., Cozma D. The risk stratification in patients with heart failure : the value of considering both global longitudinal left ventricular strain and mechanical dispersion. Canadian Journal of Physiology and Pharmacology, 2017, 0049, **Revista ISI, FI - 1,546**
21. Buda V, Andor M, Cristescu C, Voicu M, Cochera F, Tuduce P, **Petrescu L**, Tomescu MC. The effect of candesartan on pentraxin-3 plasma levels as marker of endothelial dysfunction in patients with essential arterial hypertension. Ir J Med Sci. 2017 Feb 21, **Revista ISI, FI - 1,158**
22. Buda V, Andor M, **Petrescu L\***, Cristescu C, Baibata DE, Voicu M, Munteanu M, Citu I, Muntean C, Cretu O, Tomescu MC. Perindopril Induces TSP-1 Expression in Hypertensive Patients with Endothelial Dysfunction in Chronic Treatment. Int J Mol Sci. 2017 Feb 7;18(2). **Revista ISI, FI - 3,257 (\*correspondence author)**
23. Boriani G, Laroche C, Diemberger I, Popescu MI, Rasmussen LH, **Petrescu L**, Crijns HJ, Tavazzi L, Maggioni AP, Lip GY. Glomerular filtration rate in patients with atrial fibrillation and 1-year outcomes. Sci Rep. 2016 Jul 28;6:30271. **Revista ISI, FI - 5,228.**
24. Boriani G, Laroche C, Diemberger I, Fantecchi E, Popescu MI, Rasmussen LH, Sinagra G, **Petrescu L**, Tavazzi L, Maggioni AP, Lip GY. *Asymptomatic atrial fibrillation: clinical correlates, management, and outcomes in the EORP-AF Pilot General Registry.* The American Journal of Medicine, 2015, 128(5) 509-18.e2 **Revista ISI, FI - 5,003.**
25. Tudorache Emanuela, Oancea Cristian, Avram Claudiu, Fira-Mladinescu Ovidiu, **Petrescu Lucian**, Timar Bogdan. *Balance impairment and systemic inflammation in chronic obstructive pulmonary disease.* International Journal

- of Chronic Obstructive Pulmonary Disease 2015, 10:1847-52. **Revista ISI, FI - 3,141.**
26. Li GYH, Laroche C, Popescu MI, Rasmussen LH, Vitali-Serdoz L, **Petrescu L**, Darabantiu D, Crijns HJGM, Kirchhof P, Vardas P, Tavazzi L, Maggioni AP, Boriani G. *Prognosis and treatment of atrial fibrillation patients by European cardiologists: One Year Follow-up of the EURObservational Research Programme-Atrial Fibrillation General Registry Pilot Phase (EORP-AF Pilot registry)*. European Heart Journal 2014 Dec 14;35(47):3365-760195-668X. **Revista ISI, FI - 14,723.**
  27. Cozma D, Streian CG, **Petrescu L**, Mornos C. *Subclinical left atrium remodelling in patients with frequent premature ventricular contractions*. Kardiologia Pol 2014;72(11):1141-7,0022-9032 (print) 1897-4279 (online). **Revista ISI, FI - 0,519.**
  28. Mornos C, **Petrescu L**, Pescariu S, Dan R, Cozma D. *Prognostic value of septal  $E/(E' \times S')$  ratio in predicting cardiac death in patients with heart failure*. Kardiologia Pol 2014;72(2):166-74, 0022-9032 (print) 1897-4279 (online). **Revista ISI FI - 0,519.**
  29. 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):19-29,0066-782X (printed)1678-4170 (online). **Revista ISI, FI - 1,124.**
  30. Mornos 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):47-55,569-5794 (print)1573-0743 (electronic). **Revista ISI, FI - 2,322.**
  31. Mornos 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):601-607, 0008-4212 (print)1205-7541(electronic). **Revista ISI, FI - 1.546**
  32. A Ionac, C Mornos, H Feier, D Cozma, **L Petrescu**, I Popescu, M Gaspar, SI Dragulescu. *Pre-operative transthoracic real-time three-dimensional echocardiography for a better surgical strategy*. Chirurgia (Bucur) 2011; 106: 211-217, **Revista ISI FI - 0.375.**
  33. 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): 468-477. **Revista ISI FI - 0.88.**
  34. 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): 565-572. **Revista ISI, FI - 0,605.**
  35. Cristian Mornos, Dragos Cozma, **Lucian Petrescu**, Adina Ionac, Dan Rusinaru, Stefan-Iosif Dragulescu:  *$E/(E_{ax} S_{ax})$  Estimates Left Ventricular End-Diastolic Pressure in patients with Severe Mitral Regurgitation*, The Journal of Heart Valve Disease 2010;19:576-583. **Revista ISI , factor de impact - 1,03.**
  36. 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):120-9. **Revista ISI , factor de impact - 2,918.**
37. C. Mornos, A. Ionac, D. Cozma, D. Rusinaru, D. Maximov, **L. Petrescu**, A. Lupu, St.I. Dragulescu: *The Relationship Between Tissue Doppler Imaging and Seric NTproBNP Levels in Sinus Rhythm Patients: A Prospective Study*, Int J Cardiovasc Imaging, vol. 24, p. 399-407, april 2008; (ISSN 1569-5794) **Revista ISI , factor de impact - 1,119.**
  38. D. Cozma, B.A. Popescu, D. Lighezan, **L. Petrescu**, C. Mornos, C. Ginghina, St.I. Dragulescu: *Left Atrial Remodeling Assessment of Size and Shape to Detect Vulnerability to Atrial Fibrillation*, PACE, vol. 30, suppl. 1, S147-S150, january 2007; **Revista ISI , factor de impact - 1,095.**
  39. D. Cozma, B.A. Popescu, D. Lighezan, **L. Petrescu**, C. Mornoș, C.T. Luca, Carmen Ginghină, Șt.I. Drăgulescu: *Relationship Between Global Myocardial Index and Automatic Left Ventricular Border Detection Pattern to Identify Biventricular Pacing Candidates*, PACE, Suppl. 1, vol. 30, S1-S4, january 2007; **Revista ISI, factor de impact - 1,095.**
  40. D. Cozma, C. Mornoș, S. Pescariu, **L. Petrescu**, D. Lighezan, Șt.I. Drăgulescu: *Electrophysiological and Echocardiographic Parameters Predisposing to Atrial Fibrillation in Patients with Structurally Normal Heart*, Kardiologia Polska, 64: 143-150, february 2006; ( ISSN 0022-9032) (**IC=7,17 pct, KBN=5 pct**)
  41. B. Mut-Vitcu, D. Maximov, M. Slovenski, **L.P. Petrescu**, D. Gavrilescu, C. Dină, A. Ionac, D. Gaiță, M. Nicolin, Șt.I. Drăgulescu: *Elective CarboStent Implantation in Angiographic Small Coronary Arteries*, *Advances in Coronary Artery Disease*, The 4<sup>th</sup> International Congress on Coronary Artery Disease, Prague, Czech Republic, Monduzzi Editore, p. 659-664, october, 21-24, 2001;

#### **I.Hirsch Web of Science actual : 9**

#### **4. Articole/studii publicate în reviste de specialitate naționale recunoscute BDI:**

1. **Lucian Petrescu, Ciprian Rachieru -**
1. **Lucian Petrescu**, Simina Crisan. *O intrebare pronuntat retorica: de ce furosemide plus spironolactone in combinatie fixa si de ce tocmai dozele de 20/50 mg?* Revista Romana de Medicina Interna 2017, volum XIV, numar 1
2. Cristina Vacarescu, **Lucian Petrescu**, Emilia-Violeta Goanta, Simina Crisan, Cristian Mornos, Mihai-Andrei Lazar, Dragos Cozma. *Utilizarea periprocedurala a anticoagulantelor orale directe in procedurile de ablatie si implant.* Romanian Journal of Cardiology | Vol. 27, No. 1, 2017- Supplement A, Updates in Cardiology.
3. Simina Crisan, Cristina Vacarescu, Alina-Ramona Nicola, Mihai-Andrei Lazar, Dragos Cozma, Cristian Mornos, **Lucian Petrescu**. *Efectele inhibitorilor PCSK9 in reducerea progresiei bolii coronariene.* Romanian Journal of Cardiology | Vol. 27, No. 1, 2017- Supplement A, Updates in Cardiology
4. Simina Crisan, Cristina Vacarescu, Alina-Ramona Nicola, Mihai Andrei Lazar, Dragos Cozma, Cristian Mornos, **Lucian Petrescu**. *Microcirculation as a target of*

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2. D. Cozma, D. Popa, C. Mornos, **L. Petrescu**, D. Lighezan, C.T. Luca, F. Golda, D. Maximov, R. Dan, St.I. Dragulescu: *Volumul trunchiului de con pentru evaluarea remodelarii anatomice si a dilatarii atriului sting* (al XXXXVI-lea Congres National de Cardiologie, 15-18 sept. 2007, Sinaia); (ISSN: 1583-2996).
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11. A. Fluture, A. Ionac, **L. Petrescu**, M. Slovenski, B. Mut, C. Dina, D. Gavrilescu, S. Pescariu, St.I. Dragulescu: *Utilitatea ecocardiografiei transesofagiene de stress farmacologic cu Dobutamina in diagnosticul cardiopatiei ischemice – studiu preliminar* (al 38-lea Congres National de Cardiologie, 29 septembrie – 2 octombrie, 1999, Sinaia);
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17. **L. Petrescu**, J. P. Elbeze, S. I. Dragulescu, M. Gaspar : *Testul ecocardiografic cu dobutamina in diagnosticarea miocardului ischemic viabil*

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22. S. I. Dragulescu, J. Abazid, A. Ionac, **L. Petrescu**: *Left ventricular function in patients with atrial fibrillation before and after conversion* (The 27<sup>th</sup> National Conference of Cardiology, 2-3 october, Tirgoviste, 1992);
23. S. I. Dragulescu, **L. Petrescu**, J. Abazid, A. Ionac, I. Oravitan: *Comparative effects of natrium nitroprusiat and fenoldopam on left ventricular performance in severe essential hypertension* ((The 27<sup>th</sup> National Conference of Cardiology, 2-3 october, Tirgoviste, 1992);
24. C. Luca, G. Deutsch. **L. Petrescu**: *Evaluarea radioizotopica a fractiei de ejectie globale si segmentare la bolnavii cu infarct miocardic- efectele dopaminei* ( al IV-lea Congres National de Cardiologie, Bucuresti, 2-5 octombrie 1991);
25. C. Luca, C. Streian, I Rab, M. Nicolin, **L. Petrescu**: *Electrostimularea ventriculara programata cu stimuli multipli in evaluarea bolnavilor cu tahicardie ventriculara rezistenta la xilina. Efectele flecainidei* ( al III-lea congres national de cardiologie, 24-26 octombrie, Bucuresti, 1985

## **6. STUDII CLINICE**

### **6.1. – participare in calitate de investigator principal:**

**1. STUDIUL TRUE –TRIMETAZIDINE MR - UNIQUE EFFICACY IN STABLE ANGINA- ICE-6790-42-ROM** (Eficacitatea și acceptabilitatea administrării PREDUCTAL MR -2x 35mg ) in tratamentul pacienților cu angină stabilă de efort, timp de 8 săptămâni)

**2. STUDIUL ALISKIREN/SPP 100 - PROTOCOL No. CS, PP100C2201** – studiu multicentric, randomizat, dublu-orb, controlat-placebo

- studiu de faza II
- evaluarea eficacității Aliskiren-ului in reducerea proteinuriei la pacienții cu hipertensiune arteriala și DZ tip 2, cind este adăugat la un tratament standard cu sartan și medicație antihipertensivă optimă

**4. Studiul CANTOS** (Cardiovascular Risk Reduction Study (Reduction in Recurrent Major CV Disease Events)

## 5. Studiul COMPASS (Cardiovascular Outcomes for People using Anticoagulation Strategies)

### 6.2. – participare ca membru in echipa de studiu

#### 1. STUDIUL EVEREST- Vasopressin Antagonism in the Treatment of Heart Failure

Protocol No. 156-03-236 IND No.50533

- eficacitatea antagonismului vasopresinei in insuficiența cardiacă
- studiu multicentric, randomizat, dublu-orb, placebo-controlat pentru evaluarea eficacității pe termen lung și siguranței administrării pe cale orală a tabletelor de tolvaptan la subiecții spitalizați cu insuficiență cardiacă congestivă agravată

#### 2. STUDIUL BEAUTIFUL

- studiu de faza III, multicentric, randomizat, dublu-orb, placebo controlat, paralel-grupuri
- efectele IVABRADINEI la pacienți cu boală coronariană și disfuncție sistolică ventriculară

asupra prevenției evenimentelor cardiovasculare

#### 3. STUDIUL SNAPIST III

- determinarea fezabilității administrării intracoronariene a ABI-007 și stabilirea siguranței și a dozei intracoronariene pentru trialurile clinice ulterioare.
- evaluarea incidenței evenimentelor adverse “treatment-emergent” și a evenimentelor adverse serioase.

#### 3. STUDIUL CURRENT (OASIS 7)- Clopidogrel optimal loading dose Usage to Reduce

Recurrent Events - studiu randomizat, multinațional, dublu-orb, care compară regimul de încărcare cu doza mare de clopidogrel versus doza standard la pacienții cu angina instabilă sau infarct miocardic fără supradenivelare de segment ST la care s-a aplicat terapia invazivă precoce.

#### 5. STUDIUL RED-HF- studiu dublu orb, randomizat, multicentric, controlat, placebo care evaluează eficacitatea tratamentului cu Darbepoietin Alfa asupra mortalității și morbidității la subiecții cu insuficiență cardiacă și disfuncție sistolică simptomatică și anemia.

#### 6. STUDIUL ROCKET-AF- studiu prospectiv, randomizat, dublu-orb care compară eficacitatea administrării zilnice unice orale a Rivaroxaban (BAY 59-7939) versus doze orale ajustate de warfarină in prevenția accidentelor vasculare cerebrale și a emboliei sistemice la subiecți cu fibrilație atrială non-valvulară- Protocol 39039039 AFL3001, faza 3.

#### 7. STUDIUL The BALANCE Protocol CK-LX3401- Cardiokine Biopharma, LLC

- tratamentul hiponatremiei pe bază de Lixivaptan la pacienți cardiaci evaluați cu clasa NYHA III/IV
- studiu de fază III, multicentric, dublu-orb

#### 8. STUDIUL PROTECT CKI-302- studiu placebo, controlat randomizat, al antagonistului selectiv KW-3902 al receptorilor de angiotensină la pacienții cu

insuficiență cardiacă acută și încărcare de volum pentru aprecierea eficacității tratamentului asupra congestiei și funcției renale.

9. **STUDIUL PEITHO** (Pulmonary Embolism Thrombolysis Study)- studiu prospectiv, randomizat, dublu-orb, care evaluează eficacitatea unei singure administrări i.v. în bolus a tenecteplazei asociate cu tratament anticoagulant standard în comparație cu anticoagularea standard la pacienții normotensivi cu tromboembolism pulmonar acut și semne ecocardiografice (sau CT Spiral) de disfuncție ventriculară dreaptă.
10. **Clinical Trial Protocol MK-0524B PN 118** – studiu de fază III, multicentric, care evaluează eficacitatea combinației Niacin/Laropirant/Simvastatin la pacienți cu hipercolesterolemie primară sau dislipidemie mixtă.
11. **CLINICAL TRIAL PROTOCOL CACZ885M2301** – studiu randomizat, dublu-orb, controlat placebo care evaluează administrarea subcutanată de canakinumab pentru prevenirea evenimentelor recurente cardiovasculare la pacienți stabili post-infarct miocardic cu valori crescute ale PCRhs.
12. **STUDIUL EXSCEL (EXenatide Study of Cardiovascular Event Lowering Trial)**- studiu randomizat, placebo, care evaluează beneficiile cardiovasculare ale tratamentului cu exenatide săptămânal la pacienții cu diabet zaharat tip 2.

## 7. PROIECTE NAȚIONALE – membru în echipă

1. STRATEGIA BAZATĂ PE TESTELE INFLAMATORII ÎN VEDEREA SELECTĂRII PACIENȚILOR PENTRU IMPLANTUL STENTURILOR CORONARIENE ACTIVE FARMACOLOGIC –ACRONIM “BATISCAF”
  - PROIECT VIASAN, 2004-2006, CONTRACT, Ț 315/2004
  - Elaborarea unei strategii simple, bazată pe evaluarea nivelului seric al proteinei C reactive-  
hs, pentru stabilirea indicației implantului de stenturi coronariene active farmacologic
2. OPTIMIZAREA COMPUTERIZATĂ A PROCESULUI DE DIAGNOSTIC, INTERVENȚIE TERAPEUTICĂ ȘI PROGNOSTIC A BOLILOR CARDIOVASCULARE- CARDIOCOMP – PROGRAMUL DE CERCETARE DE EXCELENȚĂ PROIECT CEEX P-CD cod 1180 competiția 2006
  - contract 81/2006
  - Autoritatea Contractantă: Academia de Științe Medicale (ASM) București
  - Contractor titular: ACADEMIA ROMANA- FILIALA TIMIȘOARA
  - Contractor asociat (PARTENER P4): 461.000 lei (RON) Institutul de Boli Cardiovasculare
3. OPTIMIZAREA MANAGEMENTULUI DISFUNCTIILOR VALVULARE CARDIACE PRIN UTILIZAREA TEHNICILOR DE ECOCARDIOGRAFIE TRIDIMENSIONALĂ
  - contract de finanțare nr. 308/1.10.2007
  - Program IDEI
  - Tip proiect : Proiect de cercetare exploratorie



- cod proiect ID 1260

## **8. Recunoaștere națională și internațională**

### **1. Membru în academii de știință și artă**

- membru al Uniunii Scriitorilor din România din 1991;

### **2. Membru în societăți științifice și profesionale:**

- membru al Societății Naționale de Cardiologie;
- membru al Societății Europene de Cardiologie;
- membru al Asociației Europene de Cardiologie Intervențională;
- membru al Societății Române de Terapie Endovasculară.

### **3. Visiting Professor – Universidad National del Nord-Este – Corrientes – Argentina 1995**

### **Lucrări de absolvire, licență (diplomă), disertație, doctorat conduse:**

- peste 100 lucrări de licență (diplomă) conduse în perioada 2000-2017 la Facultatea de Farmacie și Facultatea de Medicină Generală - secțiunile română și franceză – ale Universității de Medicină și Farmacie "V.Babeș" Timișoara.
- 11 doctoranzi – 5 teze absolvite.
- peste 50 de referate comisii de doctorat

**Limbi străine:** Engleză – scris și vorbit – nivel avansat.  
Franceză – scris și vorbit – nivel superior.  
Germană/Italiană – scris și vorbit – nivel mediu.