

Memoriu de activitate profesională

Nume: MARGULESCU

Prenume: ANDREI DUMITRU

Data și locul nașterii: 27 Iunie 1979, București

Cetățenie: Română

Stare civilă: necăsătorit

I. STUDII

Instituția	Asociația Europeană de Aritmologie (The European Heart Rhythm Association)	Universitatea de Medicină și Farmacie “Carol Davila”, București, România	Universitatea de Medicină și Farmacie “Carol Davila”, București, România	Liceul teoretic „Spiru Haret” București, Romania
Perioada: de la - până la	9 Ian 2014	2004 - 2012	Oct 1997 - Sep 2003	Sep 1994 - Iun 1997
Grade sau diplome obținute	Specialist in Dispozitive Cardiace Implantabile nivel 2 (EHRA Certified Cardiac Device Specialist level 2 - ECDS level 2)	Diploma de doctor in medicina (PhD)	Diploma de doctor medic	Diploma de bacalaureat

Perioada: de la - până la	Dec 2012 - prezent	Mar 2009 - prezent	Oct 2010 – Oct 2011	Ian 2004 – Ian 2009	Feb 2004 - prezent
Locul:	Bucuresti	Bucuresti	Bucuresti	Bucuresti	Bucuresti
Instituția:	Spitalul Universitar de Urgenta	Spitalul Universitar de Urgenta	Spitalul Universitar de Urgenta Bucuresti	Spitalul Universitar de Urgenta Bucuresti	UMF „Carol Davila” Bucuresti
Funcția:	Medic Specialist Cardiologie	Medic Specialist Medicina Interna	Medic rezident Cardiologie (a 2-a specialitate)	Medic Rezident Medicina Interna	- Preparator Universitar (Feb 2004 – Feb 2007) - Asistent Universitar (Feb 2007 – prezent) - Lector universitar (Oct 2014 - prezent)
Descriere:	Activitate zilnica de salon, UTIC, UPU si electrofiziologie	Activitate zilnica de salon, UTIC, UPU si electrofiziologie	Stagii de pregatire conform curiculei ministerului sanatatii	Stagii de pregatire conform curiculei ministerului sanatatii	Cadru didactic UMF (in ordine: preparator universitar, asistent universitar, lector universitar) prin concurs

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II. LOCUL ACTUAL DE MUNCA, FUNCTIA SI VECHIMEA

- Universitatea de Medicina si Farmacie "Carol Davila" Bucuresti, lector universitar;
- Spitalul Universitar de Urgență Bucuresti, Clinica de cardiologie, medic specialist cardiologie si medicina interna.

Vechime la locul de muncă actual: 12 ani

III. ACTIVITATEA DE CERCETARE

III.1. LISTA DE LUCRARI PUBLICATE 2003-2016 (total: 158)

III.1.1. CAPITOLE CARTI : 1

1. Vinereanu D, Margulescu AD. Resincronizarea cardiaca si device-uri. In: Cardiomiopatii, miocardite, insuficienta cardiaca. Red: L Gherasim. Ed. Medicala 2010, ISBN: 973-39-0700-8, pag. 301-319.

III.1.2. LUCRARI PUBLICATE IN REVISTE INDEXATE ISI: 21

1. **Mărgulescu AD**, Enescu OA, Vinereanu D. A regularly irregular rhythm - what is the diagnosis? Neth Heart J 2016;24:152–153,156-157.
2. Suran MC, **Mărgulescu AD**, Siliste C, Vinereanu D. Inappropriate Implantable Cardioverter-Defibrillator Shock in Unusual Circumstances. Acta Cardiol 2016;71. doi: 10.2143/AC.71.0.0000000.
3. Vinereanu D, Stevens SR, Alexander J, Al-Khatib SM, Avezum A, Bahit MC, Granger CB, Lopes RD, Halvorsen S, Hanna M, Husted S, Hylek EM, **Mărgulescu AD**, Wallentin L, Atar D. Clinical outcomes in patients with atrial fibrillation according to sex during anticoagulation with apixaban or warfarin: a secondary analysis of a randomized controlled trial. Eur Heart J. 2015;36:3268-75.
4. **Mărgulescu AD**, Suran MC, Vinereanu D. Letter to the Editor-Left atrial function may not be an independent predictor for CRT response: Implications of ventricular-atrial linking. Heart Rhythm. 2015;12:e141. [Letter]
5. **Mărgulescu AD**, Rees E, Coulson RM, Rees AD, Vinereanu D, Fraser AG. [Do left atrial strain and strain rate reflect intrinsic atrial function or are they determined by left ventricular function?](#) Kardiol Pol. 2015;73:539-48.
6. Siliste C, Suran MC, **Mărgulescu AD**, Vinereanu D. Right ventricular electrical and mechanical synchronization by properly timed septal pacing in a patient with right bundle branch block and first degree AV block - a case report. Ann Noninvasive Electrocardiol. 2015;20:193-7.

7. Ingram TE, Fraser AG, Bleasdale RA, Ellins EA, **Mărgulescu AD**, Halcox JP, James PE. Low-dose sodium nitrite attenuates myocardial ischemia and vascular ischemia-reperfusion injury in human models. *J Am Coll Cardiol*. 2013;61:2534-2541.
8. **Mărgulescu AD**, Wheeler R, Leong FT. Hypoxia exacerbated by mechanical ventilation—when the trap door opens in severe right ventricular failure. *Heart*. 2013;99:1066.
9. Clare GC, **Mărgulescu AD**, Leong FT. Stiff left atrial syndrome following left atrial appendage resection and multiple ablations for atrial fibrillation. *Heart*. 2013;99:508.
10. **Mărgulescu AD**, Suran BM, Rimbas RC, Dulgheru RE, Siliste C, Vinereanu D. Accuracy of fluoroscopic and electrocardiographic criteria for pacemaker lead implantation by comparison with three dimensional echocardiography. *J Am Soc Echocardiogr*. 2012;25:796-803.
11. **Mărgulescu AD**, Rimbas RC, Florescu M, Dulgheru RE, Cinteza M, Vinereanu D. Cardiac adaptation in acute hypertensive pulmonary edema. *Am J Cardiol*. 2012;109:1472-81
12. **Mărgulescu AD**. Catheter ablation for atrial fibrillation. *N Engl J Med*. 2012;366:1058-9 [letter].
13. **Mărgulescu AD**, Fraser AG. Resolution of left ventricular thrombus with lepirudin after failed treatment with heparin. *Am J Emerg Med*. 2012;30:1015.e3-5
14. **Mărgulescu AD**, Sisu RC, Dulgheru R, Vinereanu D. Inaccuracy of radiological and ECG criteria for right ventricular outflow tract implantation of pacemaker leads. *Europace*. 2011;13:440-1.
15. **Mărgulescu AD**, Siliste C, Cinteza M, Vinereanu D. Difficulty of Assessing Response to Resynchronization Therapy by Echocardiographic Dyssynchrony Indices: An Everyday Case. *Echocardiography* .2010;27:888-893.
16. **Mărgulescu AD**, Thomas DE, Ingram T, Vintila VD, Egan M, Vinereanu D, Fraser AG. Can isovolumic acceleration be used in clinical practice to estimate ventricular contractile function? Reproducibility and regional variations of a new non-invasive index. *J Am Soc Echocardiogr*. 2010; 23:423-31, 431.e1-6.
17. Siliste C, **Mărgulescu AD**, Vinereanu D. Successful slow pathway ablation in a patient with persistent left superior vena cava. *Europace* 2010;12:141-2.
18. **Mărgulescu AD**, Vinereanu D, Cinteza M. Diastolic mitral regurgitation in 2:1 atrioventricular block. *Echocardiography* 2009;26:228-9.
19. Siliste C, Vinereanu D, **Mărgulescu AD**, Cinteza M. Right ventricular outflow tract implantation of an active fixation defibrillation lead through a persistent left superior vena cava. *Europace* 2008;10:1454-5.
20. **Mărgulescu AD**, Sisu RC, Cinteza M, Vinereanu D. Noncardiogenic acute pulmonary edema due to severe hypoglycemia - an old but ignored cause. *Am J Emerg Med*. 2008;26:839.e3-6
21. ***Collaborator***: Connolly SJ, Ezekowitz MD, Yusuf S; RE-LY Steering Committee and Investigators. Dabigatran versus warfarin in patients with atrial fibrillation. *N Engl J Med*. 2009;361:1139-51.

III.1.3. LUCRARI PUBLICATE IN REVISTE INDEXATE CNCSIS B/B+: 36

1. Rimbaz RC, **Mărgulescu AD**, Siliste C, Vinereanu D. [Left ventricular strain analysis reveals better synchrony and diastolic function for septal versus apical right ventricular permanent pacing.](#) *Maedica (Buchar)*. 2014;9:232-41.
2. Magda S, **Mărgulescu AD**. Comparison of Dopamine and Norepinephrine in the treatment of shock. *Maedica (Buchar)*. 2010;5:69-70
3. **Mărgulescu AD**. Gefitinib improves outcome in patients with advanced non-small cell lung cancer compared with standard chemotherapy. *Maedica (Buchar)* 2010;5:146
4. **Mărgulescu AD**. Routine screening by prostate specific antigen for prostate cancer seems unreasonable. *Maedica (Buchar)*. 2010;5:220
5. **Mărgulescu AD**. Graduated compression stockings do not reduce the risk of deep vein thrombosis in neurological patients immobilized after stroke. *Maedica - a Journal of Clinical Medicine* 2009;2:177
6. **Mărgulescu AD**. Reports from major congresses: The American College of Cardiology Scientific Session – ACC’09, Orlando, Florida. *Maedica - a Journal of Clinical Medicine* 2009;2:167-8
7. **Mărgulescu AD**. Depression increases mortality in diabetic patients beyond cardiovascular events. *Maedica - a Journal of Clinical Medicine* 2009;3:272
8. **Mărgulescu AD**. A new oral anticoagulant treatment proves noninferior to warfarin in patients with atrial fibrillation – the RE-LY study. *Maedica - a Journal of Clinical Medicine* 2009;3:258
9. **Mărgulescu AD**. Antibiotic prophylaxis of symptomatic urinary tract infections in children is modestly effective in preventing recurrences. *Maedica - a Journal of Clinical Medicine* 2009;4:363
10. **Mărgulescu AD**. Implementation of a 19-questions check list leads to a significant decrease of mortality in surgical patients. *Maedica - a Journal of Clinical Medicine* 2009;4:75
11. **Mărgulescu AD**. Routine screening for HIV infection is recommended in all subjects aged over 13. *Maedica - a journal of clinical medicine* 2008;3:219
12. **Mărgulescu AD**. Prolonged treatment with peginterferon is not effective in advanced chronic hepatitis C. *Maedica - a journal of clinical medicine* 2008;3:309
13. **Mărgulescu AD**. Prasugrel – a novel antithrombotic oral therapy – compared with clopidogrel for acute coronary syndromes. *Maedica - a journal of clinical medicine* 2008;3:300
14. **Mărgulescu AD**. Dronedarone increases mortality in heart failure patients but might decrease mortality in patients with atrial fibrillation. *Maedica - a journal of clinical medicine* 2008;3:140
15. **Mărgulescu AD**. Sequential treatment for *Helicobacter pylori* infection is superior to standard triple therapy. *Maedica - a journal of clinical medicine* 2008;3:71
16. Cinteza M, Pana B, Cochino E, Florescu M, **Mărgulescu AD**, Florian A, Vinereanu D. Prevalence and control of cardiovascular risk factors in Romania. Cardio-zone national study. *Maedica - A Journal of Clinical Medicine*, 2007;4:277-288
17. **Mărgulescu AD**. Omeprazole might decrease the antiplatelet effect of Clopidogrel. *Maedica - a journal of clinical medicine* 2007;4:350
18. **Mărgulescu AD**. Eltrombopag – a new treatment for thrombocytopenia. *Maedica - a journal of clinical medicine* 2007;2:253
19. **Mărgulescu AD**. Indraparinux for the treatment of thromboembolic disease. *Maedica - a journal of clinical medicine* 2007,2: 168

20. **Mărgulescu AD**. The optimal pacing strategy for sick sinus syndrome. *Maedica - a journal of clinical medicine* 2007,2: 167
21. **Mărgulescu AD**. Interventional treatment for stable angina pectoris is not superior to medical treatment. *Maedica - a journal of clinical medicine* 2007,2: 166
22. **Mărgulescu AD**. Chest-compression only cardiac resuscitation is superior to compression-ventilation technique. *Maedica - a journal of clinical medicine* 2007,2: 165
23. **Mărgulescu AD**. Complete normalization of hemoglobin levels in patients with advanced renal failure does not reduce cardiovascular events. *Journal Club. Maedica - a journal of clinical medicine.* 2007;2:77.
24. **Mărgulescu AD**, Darabont RO, Cinteza M. Acute cardiogenic pulmonary edema with preserved left ventricular ejection fraction – an important clinical entity with mechanisms on debate. *Maedica - a journal of clinical Medicine* 2007;2:56-64
25. **Mărgulescu AD**. D-Dimer Level is useful in Guiding the Need for Prolong Oral Anticoagulation in Patients with a History of Thromboembolic Venous Disease. *Journal Club. Maedica - a journal of clinical medicine* 2006;1(3)
26. **Mărgulescu AD**. Cardiac Left Ventricular Assist Devices can Promote near Complete Regression of End-stage Heart Failure in Non-ischemic Dilative Cardiomyopathy. *Journal Club. Maedica - a journal of clinical medicine* 2006;1(3)
27. **Mărgulescu AD**. Cardiology news. Vignettes. *Maedica - a journal of clinical medicine.* 2006 1(2):87
28. **Mărgulescu AD**. The most important clinical trials of the year 2006. *Maedica - a journal of clinical medicine* 2006;1(3):75-83
29. Cinteza M, **Mărgulescu AD**. Oral anticoagulation in clinical practice. *Maedica - a journal of clinical medicine* 2006 1(3):38-45
30. **Mărgulescu AD**. Nataluzimab - a new treatment for multiple sclerosis. *Journal Club. Maedica - a journal of clinical medicine* 2006;1(2):81
31. **Mărgulescu AD**. The first human vaccine against human avian influenza virus H5N1. *Journal Club. Maedica - a journal of clinical medicine* 2006;1(2):78
32. **Mărgulescu AD**. Entecavir is superior to lamivudine in the treatment of chronic hepatitis B, in association with interferon. *Journal Club. Maedica - a journal of clinical medicine* 2006;1(2):77
33. **Mărgulescu AD**, Cinteza M, Vinereanu D. Reproducibility in echocardiography. *Maedica - a journal of clinical medicine* 2006;1(2):29-35
34. Cinteza M, **Mărgulescu AD**. The economic analysis in medicine - friend or foe. *Maedica - a journal of clinical medicine* 2006, 1; 59-62
35. **Mărgulescu AD**, Şişu RC, Gherasim L. Trombembolism pulmonar asociat neoplasmului pulmonar. *Medicina Internă* 2005, vol. 7 [Romanian].
36. **Mărgulescu AD**, Benea D, Tweddel AC, Cinteza M, Vinereanu D. Audit asupra a doua spitale universitare, Cardiff si Bucuresti, privind tratamentul infarctului miocardic acut cu supradenivelare de segment ST. *Medicina Interna* 2004;1(2):49-57 [Romanian].

III.1.4. LUCRARI PUBLICATE CA REZUMAT IN REVISTE INDEXATE ISI: 27

1. **Mărgulescu AD**, Suran MCB, Siliste C, Vinereanu D. Electrogram recording function influences the estimation of battery longevity in some pacemaker models. *ESC Congress Rome* (2016) [accepted]

2. Suran MCB, **Mărgulescu AD**, Bruja R, Siliste C, Vinereanu D. Detailed analysis of T wave amplitude and vector can differentiate post-septal pacing cardiac memory from ischaemic T wave inversions. ESC Congress Rome (2016) [accepted]
3. Suran MCB, **Mărgulescu AD**, Bruja R, Siliste C, Vinereanu D. Post-pacing cardiac T-wave memory is accompanied by prolonged left ventricular mechanical activation that persists upon resolution of memory – a pilot echocardiographic study. *Eur Heart J* (2015) 36 (suppl 1): 1229-1310 DOI: <http://dx.doi.org/10.1093/eurheartj/ehv405> ESC Congress London (2015)
4. **Mărgulescu AD**, Enescu OA, Chirculescu F, Pop F, Constantinescu T, Vinereanu D. The little foxes that spoil the vines: sarcoidosis manifested as atrial ectopic rhythm with multilevel block and sinus node dysfunction, and takotsubo cardiomyopathy after minimal thoracotomy. *Eur Heart J* (2013) 34 (suppl 1): doi:10.1093/eurheartj/eht312.4521. ESC Congress Amsterdam (2013)
5. **Mărgulescu AD**, Suran BMC, Siliste C, Vinereanu D. Pulmonary hypertension in advanced atrioventricular block is related to the duration of atrioventricular block and is reversed after pacing. EHRA/Europace Congres. 23-26 June 2013. *Europace* (2013) 15 (suppl 2): ii122-ii167 doi:10.1093/europace/eut174
6. Mihalcea D; Florescu M; Suran B; Enescu OA; Mincu R; Patrascu N; Serbanoiu I; **Mărgulescu AD**; Vinereanu D. Comparison of pulse wave velocity assessed by three different techniques: Arteriograph, Echo-tracking and Complior. Euroecho 2012. *Eur Heart J Cardiovasc Imaging Abstracts Supplement*, December 2012, doi:10.1093/ehjci/jes257
7. **Mărgulescu AD**, Rees E, Hocking RM, Rees DA, Fraser AG, Vinereanu D. Dependence of atrial strain and strain rate on ventricular function - implications for the assessment of left atrial function. *Eur Heart J* 2012;Supplement ESC Congress, Munchen.
8. Odobasa V, **Mărgulescu AD**, Siliste C, Vinereanu D. Characteristics of patients readmitted with heart failure after permanent ventricular pacing: a 5-year retrospective study on patients implanted in a tertiary center. *Eur J Heart Fail Supplement – Heart Failure Congress*, Belgrad, Mai 2012
9. Dulgheru R, Ciobanu A, Magda S, Mihaila S, Rimbas RC, **Mărgulescu AD**, Cinteza M, Vinereanu D. A study of atrial contraction by speckle tracking in patients with type 2 diabetes and mild-to-moderate hypertension. *Eur J Echocardiography Abstracts Supplement* 2011;12(S2):ii184. P1026
10. Rimbas RC, Dulgheru RE, **Mărgulescu AD**, Florescu M, Vinereanu D. Left atrial function by speckle-tracking echocardiography in acute hypertensive edema. *Eur J Echocardiography Abstracts Supplement*; 2011;12(S2):ii115. P737
11. **Mărgulescu AD**, Rees E, Hocking RT, Rees DA, Fraser AG, Vinereanu D. Atrial strain and strain rate: how much are they dependent on ventricular function? *Eur Heart J (Abstract Supplement)* 2011;32:1015-1016
12. Dulgheru R, Ciobanu A, Magda S, Rimbas RC, **Mărgulescu AD**, Mihaila S, Cinteza M, Vinereanu D. Left ventricular longitudinal systolic function and arterial stiffness are the main determinants of the left atrial function in patients with risk factors. *Eur Heart J (Abstract Supplement)* 2011;32:809. P4614
13. Ingram TE, Bleasdale RA, Templeton C, Williams C, **Mărgulescu AD**, Fraser AG, James PE. Low-dose sodium nitrite relieves myocardial ischaemia in patients with coronary artery disease: a targeted NO-donor effect. *BSC Congress. Heart* 2011;97:A34. doi:10.1136/heartjnl-2011-300198.51
14. Pop RM, **Mărgulescu AD**, Dulgheru R, Enescu O, Siliste C, Vinereanu D. Advanced AV block is associated with pulmonary hypertension which is reversible after cardiac pacing.

Europace (suppl 3) 2011;13:Abstract P938; doi:10.1093/europace/eur229 (Congresul Europace, Madrid 2011)

15. **Mărgulescu AD**, Sisu RC, Dulgheru R, Siliste C, Vinereanu D. Inaccuracy of radiological criteria for pacemaker lead implantation, when compared with exact documentation of lead position using 3D echocardiography. *Eur J Echocardiogr* (2010) 11(suppl 2): ii1-ii2 doi:10.1093/ejechocard/jeq131
16. Sisu RC, **Mărgulescu AD**, Siliste C, Cinteza M, Vinereanu D. Better synchrony and diastolic function for septal versus apical right ventricular permanent pacing in an 1-year follow-up study. *Eur Heart J*. 2010;31(suppl 1):876. (Congresul European de Cardiologie, Stockholm, 2010).
17. **Mărgulescu AD**, Sisu RC, Florescu M, Cinteza M, Vinereanu D. Left ventricular longitudinal systolic dysfunction and impaired atrio-ventricular synchrony are the main mechanisms of acute hypertensive pulmonary edema. *Eur Heart J*. 2010;31(suppl 1):873-1071; P5129. doi:10.1093/eurheartj/ehq290 (Congresul European de Cardiologie, Stockholm, 2010).
18. **Mărgulescu AD**, Sisu RC, Florescu M, Cinteza M, Vinereanu D. Acute impairment of basal left ventricular rotation but not twist and untwist are involved in the pathogenesis of acute hypertensive pulmonary edema. *Eur Heart J*. 2010;31(suppl 1):873-1071; P5126. doi:10.1093/eurheartj/ehq290 (Congresul European de Cardiologie, Stockholm, 2010).
19. **Mărgulescu AD**, Sisu RC, Florescu M, Cinteza M, Vinereanu D. The role of cardiac dyssynchrony in the pathogenesis of acute hypertensive pulmonary edema. *Circulation* 2010;122:e10; doi:10.1161/CIRCULATIONAHA.110.192773 (Congresul Mondial de Cardiologie, Beijing, 2010).
20. Cinteza M, Florescu M, Pana B, Cochino E, **Mărgulescu AD**, Florian A, Vinereanu D. Prevalence and control of cardiovascular risk factors in Romania – CARDIO-ZONE National Study. *Cardiology (Int J of Cardiovascular Medicine, Surgery, Pathology and Pharmacology)* 2009;113 (suppl 1):P107.
21. **Mărgulescu AD**, Sisu RC, Florescu M, Cinteza M, Vinereanu D. The role of cardiac dyssynchrony in the pathogenesis of acute hypertensive pulmonary edema an echocardiographical study on 30 consecutive patients. *Eur J Echocardiogr*. 2009;10(suppl 2):ii116-ii145; doi: 10.1093/ejechocard/jep142, S139 (Euroecho, Madrid, 2009).
22. **Mărgulescu AD**, Thomas DE, Ingram T, Vintila VD, Egan M, Vinereanu D, Fraser AG. Can isovolumic acceleration be used in clinical practice to estimate ventricular contractile function? Reproducibility and regional variations of a new non-invasive index. *Eur J Echocardiogr*. 2009;10(suppl 2):ii45-ii73; doi: 10.1093/ejechocard/jep134. S63 (Euroecho, Madrid, 2009).
23. **Mărgulescu AD**, Sisu RC, Florescu M, Cinteza M, Vinereanu D. Longitudinal, but not global systolic dysfunction is a mechanism of acute hypertensive pulmonary edema. *Eur Heart J* 2009;30(suppl 1):301-585; P3354. doi:10.1093/eurheartj/ehp414 (Congresul European de Cardiologie, Barcelona 2009).
24. Sisu RC, **Mărgulescu AD**, Siliste C, Cinteza M, Vinereanu D. Long-term follow up of apical versus septal right ventricular permanent pacing shows similar effects on cardiac synchrony and function. *Eur Heart Journal* 2009;30:301-585, P507 Abstract Supplement (abstract presented at ESC Congress of Cardiology, Barcelona 2009).
25. Sisu RC, **Mărgulescu AD**, Siliste C, Cinteza M, Vinereanu D. Similar effects on cardiac synchrony and function between apical and septal right ventricular permanent pacing. *Eur Heart J* (Abstract Supplement – P4328) 2008;29:724
26. Siliste C, Vinereanu D, **Mărgulescu AD**, Cinteza M. Right ventricular outflow tract implantation of an active fixation defibrillation lead through persistent left superior vena cava. *Europace* (Abstract Supplement). CARDIOSTIM Nice France 2008

27. Sisu RC, Siliste C, **Mărgulescu AD**, Pagu E, Tugui M, Cinteza M, Vinereanu D. Similar effects on cardiac synchrony and function between apical and septal right ventricular permanent pacing (poster no. 443). Eur J Echocardiogr – Supplement. Euroecho, Lisbon, 2007.

III.1.5. LUCRARI PUBLICATE CU REZUMAT IN REVISTE INDEXATE CNCSIS B/B+: 25

1. Roatesi LM, Mărgulescu AD, Vinereanu D. In stable coronary disease patients the severity of spontaneous arrhythmia is dependent on the severity of coronary disease, LV dysfunction and presence of prior MI. Romanian National Congress of Cardiology, Sinaia 2016. Romanian Journal of Cardiology 2016 Supl A.

2. Suran MCB, Mărgulescu AD, Bruja R, Siliste C, Vinereanu D. Detailed analysis of T wave amplitude and vector can differentiate post-septal pacing cardiac memory from ischemic T wave inversions. Romanian National Congress of Cardiology, Sinaia 2016. Romanian Journal of Cardiology 2016 Supl A.

3. Enescu OA, Suran B, Rimbas R, Margulescu AD, Siliste C, Vinereanu D. Left ventricular dyssynchrony induced by right ventricular outflow premature contractions. Romanian National Congress of Cardiology, Sinaia 2016. Romanian Journal of Cardiology 2016 Supl A.

4. Suran MCB, **Mărgulescu AD**, Bruja R, Siliste C, Vinereanu D. Post-pacing cardiac T-wave memory is accompanied by prolonged left ventricular mechanical activation that persists upon resolution of memory – a pilot echocardiographic study. Romanian National Congress of Cardiology, Sinaia 2015. Romanian Journal of Cardiology 2015 Supl A.

5. Ionescu AA, Patrascu N, **Margulescu AD**, Udriou C, Vinereanu D. Malignant ventricular arrhythmia 11 years after triple by-pass and aneurysmectomy surgery-how long and how to protect from sudden cardiac death? Romanian National Congress of Cardiology, Sinaia 2015. Romanian Journal of Cardiology 2015 Supl A.

3. Enescu OA, Rimbas R, Suran B, **Margulescu AD**, Siliste C, Vinereanu D. Right ventricular outflow premature contractions induce regional left ventricular dysfunction. Romanian National Congress of Cardiology, Sinaia 2015. Romanian Journal of Cardiology 2015 Supl A.

4. Odobasa V, **Mărgulescu AD**, Siliste C, Vinereanu D. characteristics of patients admitted with heart failure after permanent ventricular pacing: a 5-year retrospective study on patients implanted in a tertiary center. Romanian National Congress of Cardiology, Sinaia 2012. Romanian Journal of Cardiology 2012; 27: Supl A.

5. **Mărgulescu AD**, Rees E, Hocking RM, Rees DA, Fraser AG, Vinereanu D. Dependence of atrial strain and strain rate on ventricular function - implications for the assessment of left atrial function. Romanian National Congress of Cardiology, Sinaia 2012. Romanian Journal of Cardiology 2012; 27: Supl A.

6. **Mărgulescu AD**, Rees E, Hocking RM, Rees DA, Fraser AG, Vinereanu D. Atrial strain and strain rate – how much are they dependant on ventricular function? Romanian National Congress of Cardiology, Sinaia 2011. Romanian Journal of Cardiology 2011; 26: Supl A.

7. Rimbas RC, Dulgheru RE, **Mărgulescu AD**, Florescu M, Vinereanu D. Left atrial functions by speckle-tracking echocardiography in acute hypertensive edema. Romanian National Congress of Cardiology, Sinaia 2011. Romanian Journal of Cardiology 2011; 26: Supl A.

8. Dulgheru RE, Ciobanu A, Magda S, Rimbas RC, Mihaila S, **Mărgulescu AD**, Cintează M, Vinereanu D. Left ventricular longitudinal systolic function and arterial stiffness are the main

- determinants of left atrial function in patients with risk factors. Romanian National Congress of Cardiology, Sinaia 2011. Romanian Journal of Cardiology 2011; 26: Supl A.
9. Dulgheru RE, Ciobanu A, Magda S, Mihaila S, Rimbas RC, **Mărgulescu AD**, Cintează M, Vinereanu D. A study of atrial contraction by speckle tracking in patients with type 2 diabetes and mild-to-moderate hypertension. Romanian National Congress of Cardiology, Sinaia 2011. Romanian Journal of Cardiology 2011; 26: Supl A.
 10. **Mărgulescu A.D.**, Sisu R.C., Dulgheru R., Siliste C., Vinereanu D. Inaccuracy of radiological criteria for pacemaker lead implantation, when compared with exact documentation of lead position using 3D echocardiography. Romanian National Congress of Cardiology Sinaia 2010. Romanian Journal of Cardiology 2010;25: Supl A.
 11. **Mărgulescu AD**, Sisu RC, Florescu M, Cinteza M, Vinereanu D. Young Investigator Award Session. Echocardiographical evaluation of acute hypertensive pulmonary edema. Romanian National Congress of Cardiology, Sinaia 2010. Romanian Journal of Cardiology 2010;25:Supl A.
 12. Sisu RC, **Mărgulescu AD**, Siliste C, Florescu M, Cinteza M, Vinereanu D. Similar long-term effects on left ventricular function and synchronicity in apical versus septal right ventricular pacing in pacemaker-dependent patients. Romanian National Congress of Cardiology Sinaia 2009. Romanian Journal of Cardiology 2009 ;24 :A85
 13. **Mărgulescu AD**, Sisu RC, Florescu M, Cinteza M, Vinereanu D. Longitudinal, but not global left ventricular dysfunction is involved in the pathogenesis of acute hypertensive pulmonary edema. Romanian National Congress of Cardiology Sinaia 2009. Romanian Journal of Cardiology 2009 ;24 (Supl A) : A222.
 14. Sisu RC, **Mărgulescu AD**, Siliste C, Cinteza M, Vinereanu D. Similar short- and mid- term effects on cardiac synchrony and function, between apical and septal right ventricular permanent pacing. Romanian Journal of Cardiology 2008;23:A71
 15. Siliste C, Vinereanu D, **Mărgulescu AD**, Cinteza M. Implantation of an active fixation defibrillation lead at right ventricular outflow tract through a left persistent superior vena cava. Romanian Journal of Cardiology 2008 ;23 :A68
 16. Siliste C, **Mărgulescu AD**, Sisu RC, Cinteza M, Vinereanu D. Long-term performance of pacing leads placed on the interatrial septum. Romanian Journal of Cardiology 2008;23:A67. Romanian National Congress of Cardiology 2008
 17. Enescu O, Vintilă V, Stoicescu C, Florescu M, **Mărgulescu AD**, Baghilovici D, Stătescu C, Niculescu N, Sisu RC, Udriou C, Burlacu A, Vinereanu D, Cintează M and RO-STEMI investigators. Acute myocardial infarction mortality in Romania – sex differences. Data from the RO-STEMI registry. Romanian National Congress of Cardiology, Sinaia, 2007. Romanian Journal of Cardiology 2007;22:Supl A
 18. Sisu R., Siliste C., **Mărgulescu AD.**, Vinereanu D. Similar effects on cardiac synchrony and function, between apical and septal right ventricular permanent pacing. Romanian National Congress of Cardiology, Sinaia, 2007. Romanian Journal of Cardiology 2007;22:Supl A
 19. Siliste C., **Mărgulescu A.D.**, Vinereanu D, Cinteza M. Interatrial resynchronization by mid-interatrial septum pacing – case report. Romanian National Congress of Cardiology, Sinaia, 2007. Romanian Journal of Cardiology 2007;22:Supl A
 20. Siliste C., **Mărgulescu A.D.**, Cinteza M., Vinereanu D. Typical atrial flutter ablation – experience of the Cardiology Department of the UEHB. Romanian National Congress of Cardiology, Poiana Brasov, Sept 2006. Romanian Journal of Cardiology 2006 ;21 :Supl A.
 21. **Mărgulescu AD**, Stoicescu C, Florescu M, Cintează M, Vinereanu D. The evolution of the treatment of acute ST-elevation myocardial infarction between 2002 and 2004 – audit in the University Hospital of Bucharest. Romanian National Congress of Cardiology, Poiana Brasov, 2004. Romanian Journal of Cardiology 2004;19:Supl A

22. **Mărgulescu AD**, Benea D, Tweddel AC, Iosifescu D, Cinteza M, Vinereanu D. Audit on the treatment of acute ST-elevation myocardial infarction in two university hospitals – from Cardiff and Bucharest. Romanian National Congress of Cardiology, Sinaia, 2004. Romanian Journal of Cardiology 2003; 18: 75-76.

III.1.6. LUCRARI PUBLICATE IN EXTENSO IN ALTE REVISTE MEDICALE: 4

1. Cinteza M, Margulescu AD. Terapia antiischemica metabolica. Infomedica 2004; 1(119): 10-13
2. Cinteza M, Margulescu AD. Noutati medicale - pagina CMR. BMJ (editia romana) - martie 2004 - noiembrie 2006
3. Cinteza M, Margulescu AD. Disfuncția endotelială - de la disfuncție la tratament. Cardio.ro nr.1, Martie 2005, 30-33
4. Cinteza M, Margulescu AD. Sindromul metabolic - prezentarea unui concept. Cardio.ro nr.1, Martie 2005, 34-38

III.1.7. ALTE LUCRARI PREZENTATE LA CONGRESE, CONFERINTE SI SIMPOZIOANE MEDICALE DIN ROMANIA : 44

1. **Mărgulescu AD**. Gaps in knowledge – heart failure guidelines. Romanian National Congress of Cardiology, Sinaia, September 2016
2. Suran MCB, **Mărgulescu AD**. Arrhythmic storm – case report. National Congress of the Working Groups. Sibiu, May 2016.
3. **Mărgulescu AD**. Ther role of New Oral Anticoagulants (NOAC) in the treatment of AF – focus on Apixaban. Symposium sponsored by Pfizer, Bucharest, November 2015
4. **Mărgulescu AD**. Specific elements in therapy; Ischemic cardiomyopathy today. Romanian National Congress of Cardiology, Sinaia, September 2015
5. **Mărgulescu AD**. Triage, treatment and transitions: a comprehensive approach to acute heart failure care. The next few days. Romanian National Congress of Cardiology, Sinaia, October 2014
6. **Mărgulescu AD**. Controversy Echo in CRT – against. XIXth World Congress of Echocardiography and Allied Techniques. Sibiu, Romania, June 2014.
7. Vinereanu D, **Mărgulescu AD**. Interventricular interaction in dilative cardiomyopathy. Romanian National Congress of Cardiology, Sinaia, October 2013
8. **Mărgulescu AD**. The role of Olmesartan in the treatment of hypertension. Terapia/Ranbaxy symposia, Bucuresti, 24 May 2012.
9. **Mărgulescu AD**. A clinical case of resynchronization therapy. Clinical cases in heart failure – educational course. Bucharest.. 17 February 2012.
10. **Mărgulescu AD**, Vinereanu D. The echocardiographic evaluation of acute pulmonary edema. Romanian National Congress of Cardiology, Sinaia, October 2011
11. **Mărgulescu AD**, Siliste C, Cinteza M. Antiarrhythmic medication – problems in current medical practice. Arrhythmia course. Calimanesti-Caciulata, April 2008
12. Cinteza M, **Mărgulescu AD**. Cardiomyopathy classification. Romanian National Congress of Cardiology, Sinaia, September 2007

13. Cinteza M, **Mărgulescu AD**. The mechanisms of acute cardiogenic pulmonary edema. Romanian National Congress of Cardiology, Sinaia, September 2007
14. **Mărgulescu AD**. News in atherosclerosis, 2007. Atherosclerosis working group. Romanian National Congress of Cardiology, Sinaia, September 2007
15. **Mărgulescu AD**. Guidelines on acute myocardial infarction – patient evaluation. National Cardiology Conference for Family Medicine. Bucharest, 2007
16. Cinteza M, **Mărgulescu AD**. The treatment with sartans in diabetic nephropathy in hypertensive patients. National Congress of the Working Groups in Cardiology, Brasov, May 2007
17. **Mărgulescu AD**. The treatment with sartans in heart failure - Pro. Controversy "ACEI or sartans in heart failure", Session of the Romanian Society of Cardiology / Bucharest, February 2007
18. **Mărgulescu AD**, Siliste C, Cinteza M. Antiarrhythmic medication – problems in current medical practice. Arrhythmia course. Bucharest, May 2007
19. Cinteza M, **Mărgulescu AD**. Cardiovascular effects of antidiabetic medication. CARDIOMET course. October 2006
20. Gherasim L, **Mărgulescu AD**. Current state and perspectives on statin treatment. L. Gherasim (part 1), A.D. Mărgulescu (part 2). Zentiva Symposia. National Conference of Family Medicine, Bucharest, 26-28 October 2006
21. Cinteza M, **Mărgulescu AD**. Echocardiography course for family doctors. National Conference of Family Medicine, Bucharest, 26-28 October 2006
22. Cinteza M, **Mărgulescu AD**. Angiogenesis. Romanian National Congress of Cardiology, Poiana Brasov, September 2006
23. **Mărgulescu AD**. New studies in cardiology, 2006. Romanian National Congress of Cardiology, Poiana Brasov, September 2006
24. Cinteza M, **Mărgulescu AD**. The costs of primary and secondary prevention strategies in cardiology. Tg. Mures, 2006
25. **Mărgulescu AD**. Betablockers in heart failure. Zentiva Symposia. National Conference of Family Medicine, June 2006
26. **Mărgulescu AD**. Antiplatelet and anticoagulant treatment in medical practice. National Conference of Family Medicine, June 2006
27. Cinteza M, **Mărgulescu AD**. Aortic and mitral valvular disease – cardiologic evaluation. National Conference of Family Medicine, June 2006
28. Cinteza M, **Mărgulescu AD**. The costs of primary and secondary prevention strategies in cardiology. National Conference of Family Medicine, June 2006
29. Cinteza M, **Mărgulescu AD**. Reproducibility in echocardiography. National symposium on echocardiography. Bucharest, May 2006.
30. Siliste C, **Mărgulescu AD**, Vinereanu D, Cinteza M. Atrial flutter ablation. The experience of the cardiology clinic of the UEHB. Romanian Society of Cardiology symposia, Bucharest, April 2006
31. Cinteza M, **Mărgulescu AD**. Cardiovascular prevention – cost-effectiveness analysis. PROVAS course, Timisoara, 25 November 2005
32. **Mărgulescu AD**. Most important cardiology studies in 2005. Working group in atherosclerosis. Romanian National Congress of Cardiology Poiana Brasov, September 2005
33. Cinteza M, **Mărgulescu AD**. The role of guidelines and registries in the progress of modern cardiology. Romanian National Congress of Cardiology Poiana Brasov, September 2005
34. Cinteza M, **Mărgulescu AD**. The costs of various diagnostic methods in cardiovascular medicine. The XXth National echocardiography symposia. Bucharest, May 2005

35. Cinteza M, **Mărgulescu AD**. The costs of conservative and interventional treatment in various forms of ischemic cardiomyopathy. Romanian National Congress of Preventive Cardiology. Poiana Brasov, May 2005
36. **Mărgulescu AD**, Stoicescu C., Vintila V., Niculescu N., Florescu M., Nenciu F., Magda S., Baghilovici D., Ciobanu A, Homoceanu A., Toma I.N., Sisu R.C., Vinereanu D. The evolution of the treatment of acute ST-elevation myocardial infarction between 2001 and 2004 – audit in the University Hospital of Bucharest. National Conference of Atherosclerosis, Prevention and Cardiovascular Rehabilitation. Poiana Brasov, 11-14 May 2005
37. Cinteza M, **Mărgulescu AD**, Ancuceanu R. The costs of antihypertensive treatment. National Congress of Hypertension, Poiana Braşov, April 2005
38. **Mărgulescu AD**, Cinteza M. News in atherosclerosis, Romanian National Congress of Cardiology, Poiana Brasov, September 2004
39. Cinteza M, Deleanu D, **Mărgulescu AD**. Necessity versus reality in Romanian interventional cardiology. Timisoara, May 2004
40. Iosifescu D, **Mărgulescu AD**. Internal defibrillation. Romanian Society of Cardiology symposia, Bucharest, March 2004
41. Cinteza M, **Mărgulescu AD**. Betablockers in cardiology. Focus on nebivolol. Sinaia, February 2004
42. Cinteza M, **Mărgulescu AD**. New treatments of heart failure. Sinaia, February 2004
43. Cinteza M, **Mărgulescu AD**. Calcium sensitizers for the treatment of acute heart failure. Sinaia, February 2004
44. **Mărgulescu AD**, Stoicescu C, Florescu M, Cinteza M, Vinereanu D. Audit on the treatment of acute myocardial infarction in two university hospitals from Cardiff and Bucharest, and its development after two years. National Conference of Atherosclerosis, Prevention and Cardiovascular Rehabilitation. Poiana Brasov, May 2004

III.2. EXPERIENTA CERCETARE

III.2.1. Cercetare internațională în studii multicentrice:

Programul/Proiectul	Funcția	Perioada: de la... până la...
SEPIA-ACS	subinvestigator	2008-2009
RELY	Study coordinator	2007- 2009
ROCKET AF	subinvestigator	2007- 2009
PLATO	subinvestigator	2007- 2009
SMILE IV	subinvestigator	2007 -2009
BEAUTIFULL	subinvestigator	2005-2006
CAP	subinvestigator	2004-2005
ARGUS	subinvestigator	2004-2005

III.2.2. Granturi de cercetare

- Grant IDEI CNCSIS cercetare fundamentala/exploratorie (2007-2010), contract 242/2007, Evaluarea Ecografica a Edemului Pulmonar Acut Hipertensiv, UMF Carol Davila Bucuresti – Study Chair / Cercetator Principal;
- Grant ANCS de investitii (2007-2009), contract 135/2007, Baza de Cercetare a Insuficientei Cardiace Acute, Spitalul Universitar Urgenta Bucuresti – Cercetator;

3. Grant ANCS de investitii (2008–2010), contract 167/2008, Extinderea si modernizarea BCUM: Baza pentru explorarea invaziva si modelarea computerizata a mecanismului aritmiilor. Acronim CARDIORITMCONTROL, UMF Carol Davila Bucuresti – Cercetator;
4. Grant UE/Guvernul Romaniei/Fondul Social European/Ministerul Educatiei Nationale, POSDRU/159/1.5/S/141531 (2014-2015), « Dezvoltarea resurselor umane – doctoranzi si postdoctoranzi – pentru cercetare de excelenta in domeniile sanatate si biotehnologii » - Tutor.

III.2.3. Burse de studii:

1. Bursa a Asociatiei Europene de Aritmiologie (EHRA), pentru specializare in electrofiziologie avansata la Hospital Clinic, Barcelona, Spania, Nov 2016 - Nov 2017;
2. Bursa a Societatii Europene de Cardiologie pentru specializare in electrofiziologie la University Hospital of Wales, Cardiff, Marea Britanie, Oct 2010 – Oct 2011;
3. Stagiu de specializare la University Hospital of Wales si Wales Heart Research Institute, Cardiff, Marea Britanie, Iunie 2008 – Sept 2008;
4. Bursa studii ERASMUS / SOCRATES – Cardiff University, School of Medicine, Marea Britanie, Oct 2001 – Apr 2002.

IV. PREMII SI DISTINCTII

Premiul 2: Sesiunea Tanarului Cercetator a Societatii Romane de Cardiologie, 2010.

V. CURSURI POSTUNIVERSITARE

1. "IEPC - SVT module", St Jude Medical Training Module 1-4, (Copenhagen / Denmark; Eindhoven / Holland; Madrid / Spain; Bruxelles / Belgium) 2013-2014;
2. "Advanced Invasive Cardiac Electrophysiology" - European Heart Rhythm Association of Educational Course, Sofia-Antipolis, Franta, 13-15 Februarie 2014;
3. "Cardiac pacing/ICD and CRT" - European Heart Rhythm Association of Educational Course, Viena, Austria, 23-25 Martie 2013;
4. "CRT/ICD implantation workshop" – Recklinghausen, Lunen, Bochum; Germania, 24-28 Septembrie 2012;
5. Royal Society of Medicine – 2nd Ventricular Tachyarrhythmia Symposium, Londra, Marea Britanie, 17 Septembrie 2012;
6. 'Beating Heart Curriculum – CRT Module': St. Jude Medical, Brussels/Barcelona: Feb/May/Oct 2011
7. EP Tracing course, St Albans 21-22 Oct 2011, UK

8. Wellens / Josephson: 'How to approach complex arrhythmias', La Napoule (Franta), 19-23 Sep 2011
9. Royal Society of Medicine – Atrial Tachycardia course, Londra, 30 Iunie 2011
10. Royal Society of Medicine – 1st Ventricular Tachyarrhythmia Symposium, Londra, 26 Sept 2011
11. Transseptal Puncture, St. Jude, Stratford-upon-Avon, June 2011, UK
12. “Cardiac pacing/ICD and CRT” - European Heart Rhythm Association of Educational Course, Tolochenaz, Elvetia, 3-5 Feb 2010
13. Training in electrophysiology and echocardiography – University Hospital of Wales / Wales Heart Research Institute, Cardiff, UK. Iulie – Oct 2008.
14. “Advances in Doppler Echocardiography ” – European Association of Echocardiography Educational Course, Davos, Elvetia, 21-25 Febr 2008
15. “Doppler Echocardiography – from basic to advanced applications” – European Association of Echocardiography Educational Course, Bucuresti, 29-31 Mai 2007
16. “Basic echocardiography” – Institutul Fundeni, Bucuresti, Nov 2005
17. “Introduction to Good Clinical Practice, ICH-GCP” – Vienna School of Clinical Research, Balvanyos, 6-8 June 2004

VI. ALTE MENTIUNI:

- Traducator la editia in limba romana a: SG Myerson, RP Choudhury, ARJ Mitchell. Urgente in Cardiologie, editia a 2-a, Oxford University Press, ISBN 978-0-19-955438-6.
- Membru in comitetul stiintific de organizare Conferinta Nationala de Cardiologie Preventiva, Sinaia, 2007;
- Corespondent rubrica de noutati medicale BMJ Romania 2005 – 2008;
- Corespondent rubrica Journal Club Maedica A Journal of Clinical Medicine 2007 – 2010.

VII. RECENZOR REVISTE (Peer-review):

- Scandinavian Journal of Clinical and Laboratory Investigation – 2015;
- Anatolian Journal of Cardiology – 2014;
- Minerva Cardioangiologica – 2013;
- African Journal of Pharmacy and Pharmacology – 2010;
- Maedica A Journal of Clinical Medicine - 2010-prezent.

VIII. MEMBRU ASOCIATII PROFESIONALE:

- Membru al Colegiului Medicilor din Romania (CMR)
- Membru al Colegiului Medicilor Britanici - General Medical Council (GMC)
- Membru al Societatii Romane de Cardiologie (SRC)
- Membru al Societatii Europene de Cardiologie (ESC)
- Membru al Societatii Europene de Aritmologie (EHRA)

IX. LIMBI STRAINE CUNOSCUTE:

- engleza (avansat);
- franceza (mediu);
- spaniola (incepator).

Declar pe propria răspundere că datele prezentate sunt în conformitate cu realitatea.

3 Decembrie 2016

Dr. ANDREI DUMITRU MARGULESCU

