

Lista completă de lucrări din toată activitatea didactică

21 Lucrari indexate ISI web of science, autor principal

1. Diana Aurora Bordejevic, Florina Căruntu, Cristian Mornos, Ioan Olariu, Lucian Petrescu, Mirela Cleopatra Tomescu, Ioana Cîtu, Adelina Mavrea, Sorin Pescariu. 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. Therapeutics and Clinical Risk Management 2017:13 1061–1068 DOI: [10.2147/TCRM.S141312](https://doi.org/10.2147/TCRM.S141312)

2. Cochera F, Dinca D, Bordejevic DA (coresp), Cîtu IM, Mavrea AM, Andor M, Tomescu MC. Nebivolol effect on Doxorubicin-induced cardiotoxicity in breast cancer. Cancer Management and Research, 2018:10, 2071-2081, DOI: [10.2147/CMAR.S166481](https://doi.org/10.2147/CMAR.S166481)

3. Diana Aurora Bordejevic, Tudor Pârvănescu, Lucian Petrescu, Cristian Mornoș, Ioan Olariu, Simina Crișan, Cristina Văcărescu, Mihai Lazăr, Vlad Ioan Morariu, Ioana Mihaela Cîtu, Mirela Cleopatra Tomescu, Dragos Cozma. 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. Therapeutics and Clinical Risk Management 2021:17 249–258 DOI: 10.2147/TCRM.S295251

4. Florina Căruntu, Diana Aurora Bordejevic (corresponding author), Bogdan Buz, Alexandru Gheorghiu, Mirela Cleopatra Tomescu. Independent predictors of in-hospital and 1-year mortality rates in octogenarians with acute myocardial infarction. Reviews in Cardiovascular Medicine 2021: 22(2), 489-497 DOI: 10.31083/j.rcm2202056

5. Florina Căruntu*, Diana Aurora Bordejevic*, Mirela Cleopatra Tomescu Ioana Cîtu. Clinical characteristics and outcomes in acute myocardial infarction patients aged ≥65 years in Western Romania. Rev Cardiovasc Med 2021 Sep 24;22(3):911-918. DOI: 10.31083/j.rcm2203098

6. Andrei Vitel*, Ioan Sporea, Ruxandra Mare, Christian Banciu, Diana-Aurora Bordejevic*, Tudor Parvanescu, Ioana Mihaela Cîtu, Mirela Cleopatra Tomescu. Association Between Subclinical Left Ventricular Myocardial Systolic Dysfunction Detected by Strain and Strain-Rate Imaging and Liver Steatosis and Fibrosis Detected by Elastography and Controlled Attenuation Parameter in Patients with Metabolic Syndrome. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy 2020:13 3749–3759. <https://doi.org/10.2147/DMSO.S268916>

7. Gabriela Radu*, Aurora Diana Bordejevic*, Valentina Buda, Mirela Cleopatra Tomescu, Ioan Dragan, Liana Dehelean, Ionut Lucian Cocos, Adelina Cheveresan, Minodora Andor. Cardiovascular risk factors for different types of psychiatric

pathologies. A correlative study. FARMACIA, 2020. 68 (5), 835-842.
<https://doi.org/10.31925/farmacia.2020.5.9>

8. Nelu-Mihai Trofenciuc*, **Aurora Diana Bordejevic***, Mirela Cleopatra Tomescu, Lucian Petrescu*, Simina Crisan, Oliviana Geavlete, Alexandru Mischie, Alexandru Fica Mircea Onel, Alciona Sasu & Adina Ligia Pop-Moldovan. Toll like receptor 4 (TLR4) expression is correlated with T2* iron deposition in response to doxorubicin treatment: cardiotoxicity risk assessment. Nature Scientific Reports.2020. 10:111, 17013.

9. Tudor Parvanescu,* Andrei Vitel, Ioan Sporea, Ruxandra Mare, Bogdan Buz, **Diana-Aurora Bordejevic (coresp)**, Mirela Cleopatra Tomescu, Sergiu Florin Arnăutu, Vlad Ioan Morariu, Ioana Mihaela Citu. Significant Association between Left Ventricular Diastolic Dysfunction, Left Atrial Performance and Liver Stiffness in Patients with Metabolic Syndrome and Non-Alcoholic Fatty Liver Disease. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy 2021 14:1535–1545.
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10. **Arnautu, D.-A.**; Andor, M.; Buz, B.-F.; Tomescu, M.-C.; Vacarescu, C.; Crisan, S.; Gaita, D.; Luca, C.-T.; Cozma, D. Left Ventricular Remodeling and Heart Failure Predictors in Acute Myocardial Infarction Patients with Preserved Left Ventricular Ejection Fraction after Successful Percutaneous Intervention in Western Romania. Life 2022, 12, 1636. <https://doi.org/10.3390/life12101636>

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12. Sergiu Florin Arnăutu, Vlad Ioan Morariu, **Diana Aurora Arnăutu (coresp)**, Mirela Cleopatra Tomescu. The predictive value of carotid artery strain and strain-rate in assessing the 3-year risk for stroke and acute coronary syndrome in patients with metabolic syndrome. Reviews in Cardiovascular Medicine 2022. IF=2.7
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13. Sergiu Florin Arnautu*, **Diana Aurora Arnautu ***, Ana Lascu, Andrei A. Hajejschi, Ciprian Ilie Ilie Rosca , Abhinav Sharma, Dragos Catalin Jianu. A Review of the Role of Transthoracic and Transesophageal Echocardiography, Computed Tomography, and Magnetic Resonance Imaging in Cardioembolic Stroke. Medical Science Monitor. 2022. 28: e936365. DOI: 10.12659/MSM.936365

14. **Diana-Aurora Arnautu**, Alexandru Gheorghiu, Sergiu-Florin Arnautu, Mirela-Cleopatra Tomescu, Claudiu-Daniel Malita*, Christian Banciu, Cristina Vacarescu, Ioana Ionac, Silvia Luca, Dragos Cozma, Cristian Mornos, Dan Gaita, Constantin-Tudor Luca. Subtle Changes in Myocardial Work Indices Assessed by 2D-SpeckleTracking Echocardiography Are Linked with Pathological LV Remodeling and MACEs Following an Acute Myocardial Infarction Treated by Primary Percutaneous Coronary Intervention. Diagnostics 2023, 13, 3108-3124.
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15. **Diana-Aurora Arnautu**, Sergiu-Florin Arnautu, Mirela-Cleopatra Tomescu, Silvia Luca, Constantin-Tudor Luca. Increased Left Atrial Stiffness is Significantly Associated with Paroxysmal Atrial Fibrillation in Diabetic Patients. *Diabetes, Metabolic Syndrome and Obesity*. 2023;16 2077–2087, DOI: [10.2147/DMSO.S417675](https://doi.org/10.2147/DMSO.S417675)
16. Sergiu-Florin Arnautu, **Diana-Aurora Arnautu (coresp)**, Dragos-Catalin Jianu, Mirela-Cleopatra Tomescu, Marc-Dan Blajovan, Christian-Dragos Banciu, Daniel-Claudiu Malita. Elderly Individuals Residing in Nursing Homes in Western Romania Who Have Been Diagnosed with Hearing Loss are at a Higher Risk of Experiencing Cognitive Impairment. *Journal of Multidisciplinary Healthcare* 2024;17 881–888 DOI: [10.2147/JMDH.S439282](https://doi.org/10.2147/JMDH.S439282)
17. Apostu, A.; Malita, D.; Arnautu, S.-F.; Tomescu, M.-C.; Gaiță, D.; Popescu, A.; Mare, R.; Gidea, R.; **Arnautu, D.-A.** Significant Association between Subclinical Left Cardiac Dysfunction and Liver Stiffness in Metabolic Syndrome Patients with Diabetes Mellitus and Non-Alcoholic Fatty Liver Disease. *Medicina* 2023, Febr 9, 59, 328, 1-13. <https://doi.org/10.3390/medicina59020328>
18. Marc-Dan Blajovan, **Diana-Aurora Arnautu (coresp)**, Daniel-Claudiu Malita, Mirela-Cleopatra Tomescu, Cosmin Faur, Sergiu-Florin Arnautu. Fall Risk in Elderly with Insomnia in Western Romania—A Retrospective Cross-Sectional Study. *Medicina*. 2023. 59, 718. <https://doi.org/10.3390/medicina59040718>
19. Alexandru Gheorghiu, Sergiu-Florin Arnautu*, Milena Slovenski, Claudiu-Daniel Malita, Mirela-Cleopatra Tomescu, **Diana-Aurora Arnautu**. Myocardial Work Evaluation—A Useful Non-Invasive Method to Predict Coronary Artery Sub-Occlusion in a Patient with Unstable Angina and Multiple Myocardial Revascularization Interventions. *Case Report. Diagnostics*. 2023. 13, 1459. DOI: [10.3390/diagnostics13081459](https://doi.org/10.3390/diagnostics13081459)
20. **Diana-Aurora Arnautu**, Dragos Cozma, Ioan-Radu Lala, Sergiu-Florin Arnautu, Mirela-Cleopatra Tomescu, Minodora Andor. Risk Assessment and Personalized Treatment Options in Inherited Dilated Cardiomyopathies: A Narrative Review. *Biomedicines* 2024, 12, 1643. <https://doi.org/10.3390/biomedicines12081643>
21. Bogdan-Flaviu Buz, Rodica Anamaria Negrean, Florina Caruntu, Tudor Parvanescu, Milena Slovenski, Mirela Cleopatra Tomescu, **Diana-Aurora Arnautu**. Systematic Review of Left Ventricular Remodeling in Response to Hypoglycemic Medications: Assessing Changes in End-Systolic and End-Diastolic Diameters. *Biomedicines* 2024, 12, 1791. <https://doi.org/10.3390/biomedicines12081791>

21 Lucrari indexate ISI web of science, co-autor

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2. Pogorevici A, Citu IM, **Bordejevic DA**, Caruntu F, Tomescu MC. Canada acute coronary syndrome score was a stronger baseline predictor than age ≥ 75 years of in-hospital mortality in acute coronary syndrome patients in western Romania Clinical Intervention in Aging, **2016**, Volume 2016:11 Pages 481—488, DOI: [10.2147/CIA.S104943](https://doi.org/10.2147/CIA.S104943)
3. Andor M, Dehelean L, Romosan AM;Buda V, Căruntu F, **Bordejevic A**, Manea MM, Papava I, Bredicean CA, Romosan RS, A novel approach to cardiovascular disturbances in patients with schizophrenia spectrum disorders treated with long-acting injectable medication Neuropsychiatric Disease and Treatment, 2019:15, 349-355. ISSN: 1178-2021 DOI: 10.2147/NDT.S186892
4. Valentina Buda, Minodora Andor, Carmen Cristescu, Mirela Cleopatra Tomescu, Danina M. Muntean, Dana Emilia Bâbâiță, **Diana Aurora Bordejevic**, Corina Danciu, Dorina Coricovac, Zorin Crăiniceanu, Anca Tudor, Ionut Ledeti, Lucian Petrescu Thrombospondin-1 Serum Levels In Hypertensive Patients With Endothelial Dysfunction After one Year Of Treatment With Perindopril Drug Design, Development and Therapy 2019:13 3515–3526, ISSN: 1177-8881DOI <https://doi.org/10.2147/DDDT.S218428>
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6. 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 The predictive value of endothelial inflammatory markers in the onset of schizophrenia. Neuropsychiatric Disease and Treatment 2020. 16:545-555. ISSN: 1178-2021 DOI: 10.2147/NDT.S240349
7. Tudor Parvanescu, Bogdab Buz, Diana Aurora Bordejevic, Florina Căruntu. Mihai Trofenciuc, Mirela Cleopatra Tomescu, Ioana Mihaela Cîtu The Prognostic Role of Anemia in Heart Failure Patients REV.CHIM.(Bucharest) 2020. 71 (1): ♦ 185-191 ISSN 2668-8212 <https://doi.org/10.37358/RC.20.1.7830>
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<https://doi.org/10.3390/medicina58060784>

11. Totorean I-C, Vacarescu C, Cozma D, Luca C-T, Feier H, Lazăr M-A, Deme M-A, Stoica S, **Arnautu D-A**, Gaiță D. Pacemaker Implantation in a Patient with Isolated Persistent Left Superior Vena Cava Draining into the Left Atrium: A Case Report and Brief Literature Review. *Diagnostics*. 2022; 12(11):2707. 1-7, <https://doi.org/10.3390/diagnostics12112707>

12. V.I. Morariu, **D.A. Arnautu**, S.I. Morariu, A.M. Popa, T. Parvanescu, M. Andor, S. Abhinav, V.L. David, A. Ionescu, M.C. Tomescu 2D speckle tracking: a diagnostic and prognostic tool of paramount importance *Eur Rev Med Pharmacol Sci*, **2022**, 26 (11): 3903-3910, DOI: [10.26355/eurev.202206.28958](https://doi.org/10.26355/eurev.202206.28958)

13. Gurgu A, Luca CT, Vacarescu C, Petrescu L, Goanta EV, Lazar MA, **Arnăutu DA**, Cozma D. Considering Diastolic Dyssynchrony as a Predictor of Favorable Response in LV-Only Fusion Pacing Cardiac Resynchronization Therapy. *Diagnostics (Basel)*. **2023** Mar 21;13(6):1186. PMID: 36980494; PMCID: PMC10047065. DOI: [10.3390/diagnostics13061186](https://doi.org/10.3390/diagnostics13061186)

14. George Dahma, Gowry Reddy, Marius Craina, Catalin Dumitru, Alin Popescu, Lavinia Stelea, Radu Neamtu, Adrian Gluhovschi, Razvan Nitu, Anca Laura Maghiari, Gianina Tapalaga, **Diana Aurora Arnautu**, Aditya Nelluri, Ram Kiran Maganti and Elena Bernad The Effects of Vitamin D Supplementation before 20 Weeks of Gestation on Preeclampsia: A Systematic Review *J. Pers. Med.* 2023, 13, 996.
<https://doi.org/10.3390/jpm13060996>

15. Lazăr M-A, Ionac I, Luca C-T, Petrescu L, Vacarescu C, Crisan S, Gaiță D, Cozma D, Sosdean R, **Arnăutu D-A**, et al. Reduced Left Ventricular Twist Early after Acute ST-Segment Elevation Myocardial Infarction as a Predictor of Left Ventricular Adverse Remodelling. *Diagnostics*. **2023**; 13(18):2896. DOI: [10.3390/diagnostics13182896](https://doi.org/10.3390/diagnostics13182896)

16. Elena S. Bernad, Florentina Duica, Panagiotis Antoniadis, Andreea Moza, Diana Lungeanu, Marius Craina, Brenda C. Bernad, Edida Maghet, Ingrid-Andrada Vasilache, Anca Laura Maghiari, **Diana-Aurora Arnautu** and Daniela Iacob. Maternal Fever and Reduced Fetal Movement as Predictive Risk Factors for Adverse Neonatal Outcome in Cases of Congenital SARS-CoV-2 Infection: A Meta-Analysis of Individual

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19. Felicia Fiat, **Diana-Aurora Arnautu**, Brenda Cristina Bernad, Alina Anton, Iasmina Marcovici, Alexandra-Denisa Semenescu, Elena Silvia Bernad. Women and in vitro Testing on the HCT 116 Colorectal Carcinoma Cell Line. **2024**;10(1):73-84 DOI: [10.2478/jccm-2024-0009](https://doi.org/10.2478/jccm-2024-0009)

20. Minodora Andor, Liana Dehelean , **Diana Aurora Arnăutu**, Marioara Nicula Neagu, Daciana Nistor, Minodora Marinela Manea , Ana-Maria Romosan and Nilima Rajpal Kundnani. Schizophrenia and Heart Health: Are Antipsychotics a Friend or Foe? *J. Pers. Med.* 2024, 14, 814. <https://doi.org/10.3390/jpm14080814> ISSN 2075-4426

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9 Publicații în extenso în reviste cotate BDI (5 autor principal)

1. **Bordejevic, Diana**, Vacarescu, Cristina & Crisan, Simina Petrescu, Lucian CONSTANTIN, Tudor Mornos, Cristian RACHIERU, Ciprian Goanta, Emilia Cozma, Dragos. (2021). Long Term Follow-Up in a Patient with Arrhythmogenic Right Ventricular Dysplasia. Romanian Journal of Cardiology. 31. 379-383. 10.47803/rjc.2021.31.2.379.
2. **Diana Aurora Bordejevic**, Lucian Petrescu. Arterita Takayasu asociată cu tiroidită autoimună Hashimoto la o pacientă cu diabet zaharat de tip 1. Revista Rezidentului nr. 14/2019, 8-11.
3. Mirela Cleopatra TOMESCU, **Diana Aurora BORDEJEVIC***, Ioana Mihaela CÎTU . Boala ficatului gras nonalcoolic asociată cu sindromul metabolic, factor de risc major pentru boala aterosclerotică Non-alcoholic fatty liver disease associated with metabolic syndrome, major risk factor for atherosclerotic disease. Ro Med J. 2020;67(Suppl) DOI: 10.37897/RMJ.2020.S.4.
4. Andrei Vițel, Tudor Pârvănescu, Vlad Ioan Morariu, **Diana Aurora Bordejevic***, Mirela Cleopatra Tomescu. Non-alcoholic Fatty Liver Disease Associated With Metabolic Syndrome, a Major Risk Factor for Atherosclerotic Disease. RESEARCH AND CLINICAL MEDICINE JOURNAL The European Journal of Innovative, Integrative and Translational Medicine Volume V, Issue 1, 2021, 1-4.
5. Dragomir T., Mavrea A., **Bordejevic D.**, Tomescu M. Clinical and evolutive characteristics of elderly patients with heart failure, Medicine in Evolution, 2016, (3) pages 198-204, ISSN 2065-376X, BDI, Index Copernicus
6. Istvan Gyalai-Korpos, Minodora Andor, Mirela Cleopatra Tomescu, **Aurora Bordejevic**, Iosif Marincu. Speckle echocardiographic left atrial strain as predictor of atrial fibrillation recurrence in hypertensive patients. HealthMED – vol. 8, number 6, 2014, p.691-698. ISSN:1840-2291.
7. Mavrea A., Korpos-Gyalai I., Cîtu I., Ancusa O., **Bordejevic A.**, Tomescu M.C., Long-term prognosis and models of death in heart failure patients with reduced versus preserved left ventricular systolic function, European Scientific Journal December 2013 /SPECIAL/ edition vol.3 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431, BDI, DOAJ, ProQuest, Index Copernicus
8. Simina-Amelia Dejica, Mirela Cleopatra Tomescu, **Diana Aurora Bordejevic**, Tudor Pârvănescu, Roxana Mosoarca, Stela Iurciu CARDIAC AND RENAL DAMAGE IN ELDERLY TREATED HYPERTENSIVE PATIENTS WITH MASKED UNCONTROLLED HYPERTENSION Research and Clinical Medicine, 2020, Volume IV, Issue III, 44-47.
9. Mohammed Dahmani, Stela Iurciu, Mircea Iurciu, Laura Crăciun, Adelina Mavrea, Antoanela Pogorevici, **Aurora Bordejevic**, Mirela Tomescu. Early prevention: the correlation between arterial rigidity and cardiovascular risk in hypertensive patients and its social impact. Social research reports 2019, 11, 1:98-103. DOI <https://doi.org/10.33788/srr11.1.7>, FI=0.19

17 Rezumate publicate in proceedings la congrese ce se găsesc pe ISI Web of Knowledge (5 autor principal)

1. **D A Arnautu**, C Vacarescu, S F Arnautu, L Gaita, D Cozma, D Gaita, The predictive value of carotid artery strain and strain-rate in assessing the 3-year risk for stroke and acute coronary syndrome in patients with metabolic syndrome, European Heart Journal, Volume 43, Issue Supplement_2, October 2022, ehac544.023, <https://doi.org/10.1093/eurheartj/ehac544.023>

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3 S. Arnautu ; **D. Arnautu**; D. Blajovan; M. Tomescu; D. Jianu Victor Babes University of Medicine and Pharmacy Timisoara, Timisoara, Romania. Hearing loss increases the risk for cognitive impairment in elderly people in Western Romania. Abstract volume of the 10th European Academy of Neurology Congress June – July, 2024, Helsinki, Finland. . EPV- 018

4. S. Arnautu, **D. Arnautu**, European Journal of Neurology Volume 31, Supplement 1, Fall risk in elderly with insomnia in Western Romania Abstracts of the 10th Congress of the European Academy of Neurology June – July, 2024, Helsinki, Finland. EPV-019

5. S. Arnautu ; **D. Arnautu**; M. Blajovan; M. Tomescu; D. Jianu. Victor Babes University of Medicine and Pharmacy Timisoara, Timisoara, Romania Fall risk in elderly with insomnia in Western Romania. Abstract volume of the The 27th Congress of the European Sleep Research Society, 2024, Sevilla Spain.

6. **D.A. Bordejevic**, T. Parvanescu, L. Petrescu, C. Mornos, S. Crişan, C. Văcărescu, M. Lazăr, S Arnautu, V Morariu, D Cozma. Left ventricular remodelling risk predicted by 2D-STE in AMI patients with preserved LVEF revascularized by PCI. Eur J Heart Fail 2021 , 23 (Suppl. S2), 231-232 IF=15.534 doi:10.1002/ejhf.1488

7. **D.A: Bordejevic**, A. Vitel, I. Sporea, R. Mare, T. Parvanescu, SF Arnautu, MC Tomescu. Significant link between LV systolic dysfunction and non-alcoholic fatty liver disease in metabolic syndrome patients. Eur J Heart Fail 2021 , 23 (Suppl. S2), 112. IF=15.534 doi:10.1002/ejhf.1488

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8. Trofenciuc M, Tomescu MC, Branea H, **Bordejevic A**, Christodorescu RM et al. "Anthracycline cardiotoxicity 2,4 or toll-like receptor root of all evil." *Cardiovascular Research* 2018, volume 114, S 124-S124, Supplement 1, Meeting Abstract P 510, ISSN 0008-6363
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Șef Lucrări Dr Arnautu Diana Aurora

25 april 2025