

Lista completă de lucrări din toată activitatea didactică

1. Branea, I., Stanciu, L., **Tomescu, M.**, Berinde, L., Mancas, S, The value of echocardiography in the early diagnosis of myocardial impairment due to connective tissue diseases, *Medicine interne*, 1986, Volume 24, Issue 3, July 1986, Pages 197-205, BDI SCOPUS. 1986.
2. Branea, I., Stanciu, I., Deutsch, G., Berinde, L., Tomescu, M., Mancaș, S. Computerized isotopic angiography and echocardiography in the differential diagnosis between congestive cardiomyopathy and coronary disease, *Revista de medicina interna, neurologie, psihiatrie, neurochirurgie, dermatovenerologie. Medicina interna*, Volume 38, Issue 6, November 1986, Pages 509-515, BDI, Scopus Pub Med.1986.
3. Branea, I., Stanciu, L., Berinde, L., Avram, R., Mancaș, S., Ardelean, **E.Tomescu, M.**, Kozicek C, Treatment of malignant arterial hypertension with captopril, *Revista de medicina interna, neurologie, psihiatrie, neurochirurgie, dermatovenerologie. Medicina interna* Volume 38, Issue 3, May 1986, Pages 241-248, BDI Scopus, PubMed. 1986.
4. I Branea, L Stanciu, G Deutsch, L Berinde, Silvia Mancas, **Mirela Tomescu.** (1986), Aportul angiografiei izotopice computerizate si ecografiei in diagnosticul diferential dintre cardiomiopatie dilatativa si boala coronariana, *Medicina Interna*, nr. 6/1986, p. 509-515.
5. I Branea, L Stanciu, **Mirela Tomescu.** (1986), Tratamentul hipertensiunii arteriale maligne cu Captopril, *Medicina Interna*, nr. 5/1986, p. 241-247
6. I Branea, **Mirela Tomescu**, L Berinde, S Hanutiu, (1986), Valoarea ecografiei in diagnosticul precoce al afectarii miocardice in colagenoze, *Revue de medicine Interne*, nr. 3/1986, p. 197-205
7. Cristodorescu R, Avram R, **Tomescu M**, Lighezan D, (1992), Exercise test and 24hours electrocardiographic recording in assesment of ventricular arrhythmias in parients with coroary heart disease, *Rev. Rom. de Cardiologie*, nr. 1/1992, p.45-48
8. J. Guindo, **M. Tomescu**, M. Ruiz, Vinolas X., Moll G., Eloshua R., Bayes de Luna A, (1992), Relationship between myocardial ischemia, ventricular arrhthmias and heart rate, *Rev. Rom. de Cardiologie*, nr. 1/1992, p.7-9.
9. Cristodorescu R, Lighezan D, Avram R, Dărăbanțiu D, **Tomescu M**, Barbat D, (1994), Evolutia in timp a 16 pacienti resuscitati dupa stop cardiac prin fibrilatie ventriculara primara, *Rev. Rom. de Cardiologie*, nr. 4/1994, p.9-11

10. Avram R, Christodorescu R, Dărăbanțiu D, **Tomescu M**, Lighezan D, (1994), Propafenona ca tratament antiaritmie oral, Cercetari Experimentale & Medico-Chirurgicale, nr.2-3/1994, p. 55-59
11. Cristodorescu R, Lighezan D, Avram R, **Tomescu-Bordejevic M**, Dărăbanțiu D, Bărbat D, Plăiașu R, Vlad A. Valoarea monitorizării ECG-Holter 24 ore în evaluarea aritmiilor. Cercetări experimentale medico-chirurgicale 1995; II(1): 6-11.1995.
12. Dărăbanțiu D, Christodorescu R, Avram R, **Tomescu-Bordejevic M**, (1995), Tratamentul cu enalapril în insuficiența cardiacă congestivă, Cercetari Experimentale & Medico-Chirurgicale, nr.4/1995, p. 48-50.
13. Dărăbanțiu D, Christodorescu R, Avram R, **Tomescu-Bordejevic M**, Lighezan D, Pascu F, (1996), Valoarea inhibitorilor enzimei de conversie în tratamentul insuficienței cardiace post-infarct miocardic, Cercetari Experimentale & Medico-Chirurgicale, nr.4/1996, p. 51-54
14. Avram R, Christodorescu R, Dărăbanțiu D, **Tomescu M**, Lighezan D, Barbat D, Plaiasu R, Popa N, (1996), Valoarea clinică și prognostică a ischemiei silențioase indusă prin testul de efort la ergociclu la pacienții după infarct miocardic acut, Rev. Rom. de Cardiologie, nr. 1/1996, p.35-38
15. **Tomescu-Bordejevic M**, Cristodorescu R, Vlad A, Lighezan D, Bărbat D. Efecte secundare întâlnite în cursul tratamentului cu inhibitori ai enzimei de conversie a angiotensinei II la bolnavii cu infarct miocardic acut. Medicina – Trecut, Prezent, Viitor 1998; 2(2): 151-155.
16. **Tomescu-Bordejevic M**, Cristodorescu R, Vlad A, Lighezan D, Christodorescu R, Pascu F, Dărăbanțiu D, Lungu D, Stoicescu M. Diagnosticul etiologic al bolnavilor internați cu durere toracică acută ce nu se datorează unui infarct miocardic acut. Medicina – Trecut, Prezent, Viitor 1998; 2(3): 245-251
17. Cristodorescu R, Dărăbanțiu D, Vlad A, Avram R, Lighezan D, **Tomescu-Bordejevic M**, Costescu C. Efectele antihipertensive ale Perindoprilului în doză unică zilnică. Evaluare prin monitorizare 24 ore a tensiunii arteriale. Revista Română de Cardiologie 1998; VIII(1): 37-43.
18. Pascu F, Cristodorescu R, Avram R, Petrovici R, **Tomescu-Bordejevic M**, Lighezan D, Dărăbanțiu D, Christodorescu R, Bărbat D, Vlad A. Durerile toracice la femei în premenopauză. Cercetări experimentale medico-chirurgicale 1999; VI(2-3): 199-201
19. Asha TMM, Vlad A, Dărăbanțiu D, Rușinaru D, **Tomescu-Bordejevic M**, Christodorescu R, Lighezan D, Pascu F, Avram R, Cristodorescu R. The role of 24-hour ambulatory blood pressure monitoring in the management of hypertensive patients. Cercetări experimentale medico-chirurgicale 1999; VI(4): 305-312.

20. Lighezan D, Voinea S, Lighezan R, Pascu F, Dărbăbanțiu D, Vlad A, Bărbat D, Christodorescu R, **Tomescu M**, Branea I. Controlul aritmiilor ventriculare: trecut și viitor. Cercetări experimentale medico-chirurgicale 2000; VII(1): 58-62.
21. **Tomescu M**, Branea I, Vlad A, Pascu F, Christodorescu R, Marincu L, Bărbat D, Rușinaru D. Atitudini diferențiate, în funcție de sexul pacienților, în diagnosticul și tratamentul bolii coronariene instabile. Timișoara Medicală 2001; LI(4): 67-72.
22. Cristodorescu R, Dărbăbanțiu D, Vlad A, Rușinaru D, **Tomescu-Bordejevic M**, Christodorescu R, Lighezan D, Asha TMM. Ambulatory blood pressure monitoring for assessing the antihypertensive efficacy of a generic enalapril drug: Ednyt. Timișoara Medical Journal 2002; 52(1): 70-75.
23. R. Cristodorescu, D. Dărbăbanțiu, Ruxandra M. Christodorescu, **Mirela Tomescu**, D. Lighezan, Florica Pascu, I.D. Branea, The effectiveness and tolerance of betablockers in elderly patients (≥ 70 years) with heart failure. Romanian Journal of Internal Medicine, 2004, 42 (1), ISSN1220-4749, BDI Scopus, Pub Med
24. **Mirela Tomescu**, New concepts regarding the metabolic syndrome, Timisoara Medical Journal, 4, 2005. BDI SIIC
25. Carmen Kemper, Florica Pascu, Horia Branea, Ioan Dorel Branea, **Mirela Tomescu**, (2005), Antrenamentul fizic la pacienții varstnici cu by-pass aorto-coronarian- o evaluare a profilului risc- beneficiu, Medicina in evolutie. Nr. 2. 2005.
26. M Andor, **M Tomescu**, (2005), Endothelial dysfunction- methods of assessment and pharmacological approach in cardiovascular diseases, Timisoara Medical Journal, 55, 58-63, 2005
27. Bogdan Mut-Vitcu, Stefan I. Dragulescu, Virgil Paunescu, **Mirela Tomescu**, Marius Blendea, (2005), Stem cell transplantation after late reperfusion therapy in patients with acute myocardial infarction, Timisoara Medical Journal, 55, 2005.
28. M Andor, **M Tomescu**, D Gaita, (2005), An original risk score formula for evaluation of the coronary heart disease extension by risk factor analysis, Cercetari Experimentale & Medico-Chirurgicale, 2005, nr. 3/2005, 150-155
29. **Tomescu M.**, Mut-Vitcu B., Rușinaru D., Cîtu I., Petrica L., Isac A., Drăgulescu Ș.I., (2006), „Cardiogenic shock in a 71-year-old man with recurrent syncope”, Timișoara Medical Journal, 56(2-3), 180-189.
30. DF Lighezan, R Lighezan, D Cozma, S Pescariu, D Gaita, D Darabantiu, RM Christodorescu, F Pascu, H Branea, **MC Tomescu**. (2006), Acute dyspnea:

from pathophysiology, evaluation, to diagnosis, Timisoara Med Journal, 56, 235-242, 2006

31. Andor, Minodora; **Tomescu, Mirela**; Mihalas, Gh. I., Integrating Risk Scores into the I Application for Cardiovascular Disease Patients, INTEGRATING BIOMEDICAL INFORMATION: FROM E-CELL TO E-PATIENT, 2006, 389-391. ISBN:978-3-89838-072-0 Proceedings Paper
32. Dan Ruşinaru, **Mirela Tomescu**, Christophe Tribouilloy. Factori predictivi de mortalitate într-o cohortă de pacienți spitalizați pentru un prim episod de insuficiență cardiacă. Rev Rom Cardiol. XXII, nr 4, 328-334. 2007.
33. Oana Ancusa, Sorin Pescariu, **Mirela Tomescu**, (2007), Secondary prophylaxis of sudden cardiac death, Medicine in Evolution, Vol. XIII, Nr.2,2007, BDI Index Copernicus
34. Dan Rusinaru, **Mirela Tomescu**, Prognostic role of heart rate reduction under carvedilol therapy in chronic heart failure, Timisoara Medical Journal, 3, 126-130, 2007. BDI SIIC.
35. **Mirela Tomescu**, Dan Rusinaru, Bogdan Mut-Vitcu, Mioara Cocora, Adelina Mavrea, Ioana Cîtu, Stefan Iosif Drăgulescu, (2008), Unusual cause of heart failure in a 65-year old woman, Echocardiography: A Journal of Cardiovascular Ultrasound & Allied Tech., 2008, 25(10), 1150-1154
36. Istvan Gyalai-Korpos, **Mirela Tomescu**, Antoanela Pogorevici, Hypertensive acute pulmonary oedema as expression of diastolic heart failure, Romanian Journal of Internal Medicine, 2008, 46 (2), 153-157, ISSN 1220-4749, BDI Scopus, Pub Med.
37. Ionescu D.D., Rau M, Olariu L., **Mirela Tomescu**, Iliesiu A, Antihypertensive efficacy of perindopril 5-10 mg/day in primary health care: an open-label, prospective, observational study, Clin Drug Invest. 2009;29(12):767-776.
38. H. Branea, **M. Tomescu**, I. Gyalai, I. Tatar, Role of the general practitioner in rehabilitation after open heart surgery, 17TH ESPRM EUROPEAN CONGRESS OF PHYSICAL AND REHABILITATION MEDICINE, 2010, Pages: 95-98, ISBN:978-88-7711-616, Proceedings Paper.
39. Liana Suci, Carmen Cristescu, **Mirela Tomescu**, Melania Balas, Raluca Muresan, Vicentiu Vlaia, Mirela Voicu, Maria Suci, Raluca Gradinaru, Lavinia Vlaia, Doina Draganescu, The impact of hypertension and associated

comorbidities on quality of life assessment questionnaire SF-36 V2, FARMACIA, 2013, Vol. 61, (3), 503-517.

40. T Branishte, **MC Tomescu**, A Braniste. Permeabilised cell and fiber technique in the investigations concerning the degree of intraoperative myocardial protection with cardioplegic solution containing phosphocreatine. E-Health and Bioengineering Conference (EHB), 1-3, 2013.
41. 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. 2013.
42. Liana Suciu, Carmen Cristescu, Melania Balaş, Mirela Voicu, Maria Suciu, Liana Drăgan, **Mirela Tomescu**. The cost-effectiveness analysis of perindopril versus candesartan cilexetil treatment in hypertensive patients with left ventricular hypertrophy, Medicine in Evolution, XIX (2), 2013.
43. Maria Suciu, Minodora Andor, Carmen Cristescu, Liana Dragan, Liana Suciu, **Mirela Tomescu**. Correlation of plasma levels of Asymmetric Dimethylarginine with carotid intima-media thickness in hypertensive patients with endothelial dysfunction, Medicine in Evolution, (4) (2), 2013.
44. Minodora Andor, Maria Suciu, Liana Dragan, Lavinia Vlaia, Mirela Voicu, Liana Suciu, Raluca Gradinaru, **Mirela Tomescu**. "Correlation analysis between biochemical, functional and structural markers of endothelial damage in patients with essential hypertension", Medicine in Evolution, (4), 2013.
45. Liana Suciu, **Mirela Tomescu**, Carmen Cristescu, Maria Suciu, Mirela Voicu, Raluca Gradinaru. Pharmacoeconomic evaluation as a mean of managing the health care system. Medicine in Evolution, (4), 2013.
46. I. Gyalai, **M. Tomescu**, O. Ancusa. Left ventricular diastolic dysfunction in paroxysmal atrial fibrillation patients without structural cardiac disease, with and without arterial hypertension. Medicine in Evolution, (4), 2013.
47. T Branishte, Catalina Arsenescu-Georgescu, **Mirela-Cleopatra Tomescu**, A. Braniste, F. Mitu. Annexins, Calcium-dependent phospholipid binding proteins in irreducible heart failure. Rev. Med. Chir. Soc. Med. Nat. Iasi, 117, ISSN-L: 2286-2560, ISSN online: 2286-2560, ISSN print: 0048-7848. 2013.
48. T. Branishte, M. Tomescu and A. Braniste, "Permeabilised cell and fiber technique in the investigations concerning the degree of intraoperative myocardial protection with cardioplegic solution containing phosphocreatine,"

2013 E-Health and Bioengineering Conference (EHB), 2013, pp. 1-3, doi: 10.1109/EHB.2013.6707364.

49. Adelina Mavrea, Adina Bucur, **Mirela Tomescu**. Comorbidities and risk factors in heart failure with preserved ejection fraction. *Fiziologia-Physiology*, 80, 39-42, P-ISSN:1223-2076. BDI- Scopus, EMBASE/Excerpta Medica, EBSCO HOST. 2013.
50. Mavrea A., Cîtu I., Ancusa O., Bucur A., **Tomescu M.**, Clinical status in heart failure with preserved ejection fraction, *Medicine in evolution*, Vol. XX, Nr.1, 44-53, ISSN (online):2247-6482, BDI Index Copernicus. 2014.
51. Mavrea A, Gyalai Korpos I, Bucur A, **Tomescu M.** Inflammatory markers in heart failure with preserved ejection fraction, *HealthMED Journal*, 8(8); 949-956, ISSN: 1840-2291, e-ISSN: 1986-8103, BDI EMBASE, Scopus, EBSCO, Index Copernicus, SCImago. 2014.
52. I Marincu, SC Cambrea, A Mavrea, **MC Tomescu**. Trends in epidemiology of tuberculosis in HIV-infected patients. *HealthMed*, 188, ISSN: 1840-2291, e-ISSN: 1986-8103 EMBASE, Scopus, EBSCO, Index Copernicus, SCImago Journal and Country Rank, Genamics, Journal Seek, 2014.
53. Valentina Buda, **Mirela Tomescu**, Carmen Cristescu, " The relationship between the bradykinin, RAAS and ACE inhibitors: an overview", *Medicine in Evolution*; vol. XX; nr. 2;, Timișoara, p. 301 – 308, BDI, Index Copernicus. 2014.
54. Valentina Buda, Minodora Andor, Carmen Cristescu, Mirela Voicu, Liana Suci, Maria Suci, Cleopatra Tomescu, Olariu Teodora. Human endothelial progenitor cells, endothelial dysfunction, hypertension and ACE inhibitors *Jurnal Medical Aradean (Arad Medical Journal)* Vol. XVII, issue 1-2, 2014, pp. 28-32..
55. M Andor, M Suci, C Cristescu, **M Tomescu**, I Marincu. Influence of rosuvastatin therapy on biochemical markers, functional and structural parameters of endothelial dysfunction in patients with essential hypertension. *HealthMed*, 710, 2014.
56. I Gyalai-Korpos, **M Tomescu**, H Branea, O Ancusa, I Marincu. Left ventricular diastolic dysfunction in atrial fibrillation I atients without structural cardiac disease. *HealthMed*, 835, 2014.
57. Florina Cărunțu, Minodora Andor, Caius Streian, **Mirela Tomescu**, Iosif Marincu, *Streptococcus gallolyticus* spontaneous infective endocarditis on native valves, in a diabetic patient *Medicine in evolution*, Volume XX, Nr. 3, 2014, p 323-328, ISSN 2065-376X, BDI Index Copernicus, 2014.

58. Valentina Buda, Minodora Andor, Carmen Cristescu, Mirela Voicu, Liana Suci, Maria Suci, **Cleopatra Tomescu**, Olariu Teodora. Human endothelial progenitor cells, endothelial dysfunction, hypertension and ACE inhibitors Jurnal Medical Aradean (Arad Medical Journal) Vol. XVII, issue 1-2, , pp. 28-32, 2014.
59. I Gyalai-Korpos, O Ancusa, T Dragomir, MC Tomescu (autor corespondent), I Marincu, (2015), "Factors associated with prolonged hospitalization, readmission, and death in elderly heart failure patients in western Romania", Clinical Interventions in Aging, 2015, 10, 561-568.
60. Mavrea AM, Dragomir T, Bordejevic DA, **Tomescu MC** (autor corespondent), Ancusa O, Marincu I, (2015), "Causes and predictors of hospital readmissions in patients older than 65 years hospitalized for heart failure with preserved left ventricular ejection fraction in western Romania", Clinical Interventions in Aging 2015, 10:979-990.
61. Marincu I, Frent S, **Tomescu MC** (autor corespondent), Mihaicuta S, (2015), Rates and predictors of uncontrolled bronchial asthma in elderly patients from western Romania, Clinical Interventions in Aging 2015, 10:963-967.
62. L. Suci, C. Cristescu, A. Topirceanu, L. Udrescu, M. Udrescu, **MC. Tomescu**. "Evaluation of patients diagnosed with essential arterial hypertension through network analysis, Irish Journal of Medical Science, 2015.
63. Radu Gabriela, Andor Minodora, Ancusa Oana, **Tomescu Mirela**. Adrenal incidentaloma. Medicine in evolution, Vol. XXI, nr. 3, 375-379, ISSN 2065-376X, BDI, Index Copernicus, 2015.
64. 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.
65. Valentina Buda, Minodora Andor, Carmen Cristescu, Mirela Voicu, Liana Suci, Calin Muntean , Octavian Cretu , Dana Emilia Băibăță, Cristina Monica Gheorghiu, **Mirela Cleopatra Tomescu**. The influence of Perindopril on ptx3 plasma levels in hypertensive patients with endothelial dysfunction. FARMACIA, 06. 2016, Vol. 64, 3, pag. 382-389.
66. Dragomir T., Mavrea A., Bordejevic D., **Tomescu M**. Clinical and evolutive characteristics of Elderly patients with heart failure, Medicine in evolution, pages 198-204. 2016.
67. Valentina Buda, Minodora Andor, Adriana Ledeti, Ionut Ledeti, Gabriela Vlase, Titus Vlase, Carmen Cristescu, Mirela Voicu, Liana Suci, **Mirela**

Cleopatra Tomescu. Comparative Solid-State Stability of Perindopril Active Substance vs. Pharmaceutical Formulation, *Int. J. Mol. Sci.* 18, 164. 2017.

68. Valentina Buda, Minodora Andor, Lucian Petrescu, Carmen Cristescu, Dana Emilia Baibata, Mirela Voicu, Melania Munteanu, Ioana Citu, Calin Muntean, Octavian Cretu, **Mirela Cleopatra Tomescu.** Perindopril induces TSP-1 expression in hypertensive patients with endothelial dysfunction, *Int. J. Mol. Sci.* 2017, Feb; 18(2): 348. 2017.
69. Diana Aurora Bordejevic, Florina Căruntu, Cristian Mornos, Ioan Olariu, Lucian Petrescu, **Mirela Cleopatra Tomescu,** Ioana Citu, 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.
70. Cochera F, Dinca D, Bordejevic DA, Citu IM, Mavrea AM, Andor M, **Tomescu MC.** Nebivolol effect on Doxorubicin-induced cardiotoxicity in breast cancer. *Cancer Management and Research,* 2018; 2018:10 2071–2081.
71. Livia-Cristina Borcan, Zoltan Dudas, Adel Len, Janos Fuzi, Florin Borcan, **Mirela Cleopatra Tomescu.** Synthesis and characterization of a polyurethane carrier used for a prolonged transmembrane transfer of a chili pepper extract. *International Journal of Nanomedicine,* 2018; 13 7155–7166.
72. Andor M, Dehelean L, Romosan AM; Buda V, Căruntu F, Bordejevic A, Manea MM, Papava I, Bredicean CA, Romosan RS, **Tomescu M.** 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.
73. 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. 2019.
74. Mohammed Dahmani, Stela Iurciu, Mircea Iurciuc, 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.
75. Florin Borcan, Adela Chirita-Emandi, Nicoleta Ioana Andreescu, Livia-Cristina Borcan, Ramona Carmen Albulescu, Maria Puiu, **Mirela Cleopatra Tomescu.** Synthesis and preliminary characterization of polyurethane nanoparticles with ginger extract as a possible cardiovascular protector. *International Journal of Nanomedicine* 2019; 14 3691–3703.

76. Valentina Buda, Minodora Andor, Dana Emilia Baibata, Ramona Cozlac, Gabriela Radu, Dorina Coricovac, Corina Danciu, Ionut Ledeti, Adelina Cheveresan, Cristian Nica, Paul Tuduce, and **Mirela Cleopatra Tomescu**. Decreased sEng plasma levels in hypertensive patients with endothelial dysfunction under chronic treatment with Perindopril. *Drug Des Devel Ther.* 2019; 13: 1915–1925.
77. Borcan LC, Borcan F, Păuncu EA, **Tomescu MC**. Correlations between weather parameters, atmospheric hydrogen sulphide level and vitamin B12 administration to HS exposed workers. *Romanian Journal of Occupational Medicine.* 2019 Dec 1;70(1):6-11.
78. Andrei Vitel, Ioan Sporea, Ruxandra Mare, Christian Banciu, Diana-Aurora Bordejevic, Tudor Parvanescu, Ioana Mihaela Citu, **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.
79. Livius Tîrneia, Oana Belei, **Mirela Tomescu**, Daniel Malița, Daliborca Cristina Vlad, Roxana Mosoarca, Iosif Marincu. Combined Treatment with Tenofovir (C₉H₁₄N₅O₄P), Emtricitabine (C₈H₁₀FN₃O₃S) and Efavirenz (C₁₄H₉ClF₃NO₂) in Multiple Spleen Abscesses with Bacterial and Fungal Etiology in HIV Infected Patients. *Revista de Chimie* 71 (4), 2020, 480-487.
80. Florin Borcan, Adel Len, Diana A. Bordejevic, Zoltan Dudas, **Mirela C. Tomescu**, Adina N. Valeanu. Obtaining and characterization of a polydisperse system used as a transmembrane carrier for isosorbide derivatives. *Nanoscience. Frontiers in Chemistry.* 2020, 8:492.
81. 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.
82. Gabriela Radu, Aurora Diana Bordejevic, Valentina Buda, **Mirela Cleopatra Tomescu**, Ioan Drăgan, Liana Dehelean, Ionuț Lucian Cocoș, Adelina Cheveresan, Minodora Andor. Cardiovascular risk factors for different types of psychiatric pathologies. A correlative study. *Farmacia* 2020. 68 (5):835-842.
83. 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.

84. Dejica SA, **Tomescu MC**, Bordejevic DA, Parvanescu T, Mosoarca R, Iurciuc S. Cardiac and renal damage in elderly treated hypertensive patients with masked uncontrolled hypertension. *ResClinMed* 2020; IV(III):44-47; ISSN:2360-1124.2020.
85. **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. 2020.
86. 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.
87. Florina Căruntu, Diana Aurora Bordejevic, **Mirela Cleopatra Tomescu** (coresp), 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.
88. 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. 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.
89. Tudor Parvanescu, Andrei Vitel, Ioan Sporea, Ruxandra Mare, Bogdan Buz, Diana-Aurora Bordejevic, **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.
90. Sergiu Florin Arnăutu, Vlad Ioan Morariu, Diana Aurora Arnăutu, **Mirela Cleopatra Tomescu** (autor coresp), Traian Flavius Dan, Cătălin Dragos Jianu. Left atrial strain helps identifying the cardioembolic risk s transient ischemic attacks patients with silent paroxysmal atrial fibrillation. *Therapeutics and Clinical Risk Management* 2022;18 213–222.
91. Sergiu Florin Arnăutu, Vlad Ioan Morariu, Diana Aurora Arnăutu, **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. *Rev. Cardiovasc. Med.* 2022; 23(4): 146-151.

92. 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. *European Review for Medical and Pharmacological Sciences*. 2022; 26: 3903-3910.
93. Rednic, Robert, Iasmina Marcovici, Razvan Dragoi, Iulia Pinzaru, Cristina Adriana Dehelean, **Mirela Tomescu**, Diana Aurora Arnautu, Marius Craina, Adrian Gluhovschi, Mihaela Valcovici, and Aniko Manea. In Vitro Toxicological Profile of Labetalol-Folic Acid/Folate Co-Administration in H9c2(2-1) and HepaRG Cells. *Medicina* 2022.58 (6): 784-795.

