

Lucrări in extenso publicate în reviste de specialitate indexate ISI

Năstasie, Oana-Cornelia; Radu, Dan-Andrei; Onciul, Sebastian; Drăgoescu, Marian-Bogdan; **Popa-Fotea, Nicoleta-Monica**. Nexilin mutations, a cause of chronic heart failure: A state-of-the-art review starting from a clinical case. World Journal of Cardiology. 2025. IF: 1.9

Bataila, Vlad; **Popa-Fotea, Nicoleta-Monica**; Cojocaru, Cosmin; Calmac, Lucian; Mihai, Cosmin; Dragoescu, Marian-Bogdan; Ploscaru, Vlad; Marinescu, Mugur; Iliese, Vasile; Avram, Anamaria-Georgiana; Mitran, Raluca-Elena; Vatasescu, Radu-Gabriel. "Parenteral Anticoagulation at First Medical Contact Improves Infarct Related Artery Patency in STEMI." Journal of Clinical Medicine vol. 13,6 1710. 16 Mar. 2024, doi:10.3390/jcm13061710; IF: 3.0

Hatfaludi, Cosmin-Andrei; Tache, Irina-Andra; Ciusdel, Costin-Florian; Puiu, Andrei; Diana, Stoian; Calmac, Lucian; **Popa-Fotea, Nicoleta-Monica**; Bataila, Vlad; Scafa-Udrishte, Alexandru; Itu, Lucian Mihai. "Co-registered optical coherence tomography and X-ray angiography for the prediction of fractional flow reserve." The International Journal of Cardiovascular Imaging vol. 40,5 (2024): 1029-1039. doi:10.1007/s10554-024-03069-z. IF: 1.5

Alexandru Scafa-Udrishte, Lucian Itu, Andrei Puiu, Andreea Stoian, Horatiu Moldovan, **Nicoleta-Monica Popa-Fotea**. In-stent restenosis in acute coronary syndrome-a classic and a machine learning approach. Frontiers in Cardiovascular Medicine. 2023; doi: 10.3389/fcvm.2023.1270986. IF: 3.6

Tache, IA., Hatfaludi, CA., Puiu, A., L M Itu, **NM Popa-Fotea** et al. Assessment of the functional severity of coronary lesions from optical coherence tomography based on ensembled learning. BioMed Eng OnLine 22, 127 (2023). doi: 10.1186/s12938-023-01192-x. IF: 3.9

Mitran, R.-E.; **Popa-Fotea, N.-M.**; Iorgulescu, C.; Nastasa, A.; Pupaza, A.; Gondos, V.; Petre, I.-G.; Paja, S.-C.; Vatasescu, R.-G. Left Atrial Low-Voltage Areas Predict the Risk of Atrial Fibrillation Recurrence after Radiofrequency Ablation. Biomedicines 2023, 11, 3261. doi: 10.3390/biomedicines11123261. IF: 4.7

Popa-Fotea, N.-M.; Oprea, N.; Scafa-Udrishte, A.; Micheu, M.M. Impact of rs1805127 and rs55742440 Variants on Atrial Remodeling in Hypertrophic Cardiomyopathy Patients with Atrial Fibrillation: A Romanian Cohort Study. Int. J. Mol. Sci. 2023, 24, 17244. doi.org: 10.3390/ijms242417244. IF: 5.6

Nicoleta-Monica Popa-Fotea, Corina-Elena Ferdoschi, Miruna-Mihaela Micheu. Molecular and cellular mechanisms of inflammation in atherosclerosis. Frontiers in Cardiovascular Medicine. 2023; doi.org: 10.3389/fcvm.2023.1200341; IF: 3.6

Popa-Fotea N.M., Grigore I.A., Calmac L., Mihai C., Bataila V., Ploscaru V., Dragoescu B., Moldovan H., Busnatu S., Panaitescu E., Iliuță L., Scafa-Udrishte A. The profile and all-cause in-hospital mortality dynamics of ST-segment elevation

myocardial infarction patients during the two years of COVID-19 pandemic. *Journal of Clinical Medicine*. 2023; IF:4.964

Nicoleta-Monica Popa-Fotea, Alexandru Scafa-Udriste, Grigore Iulia, Alina Scarlatescu, Nicoleta Oprescu, Cosmin Mihai, Miruna Mihaela Micheu. Increasing clinical impact and microbiological difficulties in diagnosing coagulase-negative staphylococci in infective endocarditis- a review starting from a series of cases, *Current Medical Research and Opinion*. 2022; doi: 10.1080/03007995.2022.2122673. IF: 2.705

Popa-Fotea, Nicoleta-Monica; Miruna Mihaela, Micheu; Mihai, Cosmin; State, Ruxandra; Tincu, Radu; Scafa-Udriste, Alexandru. Takotsubo Cardiomyopathy and β -Blocker Poisoning: A Case Report. 2022. *Medicina*. 58: 1777. <https://doi.org/10.3390/medicina581217772022>. IF: 2.948

Cosmin-Andrei Hatfaludi, Irina-Andra Tache, Costin Florian Ciuşdel, Andrei Puiu, Diana Stoian, Lucian Mihai Itu, Lucian Calmac, **Nicoleta-Monica Popa-Fotea**, Vlad Bataila, Alexandru Scafa-Udriste. Towards a Deep-Learning Approach for Prediction of Fractional Flow Reserve from Optical Coherence Tomography. *Applied Sciences*. 2022; 10.3390/app12146964; IF: 2.838

Ploscaru V., **Popa-Fotea N.M.***, Calmac L., Itu L.M., Mihai C., Bataila V., Dragoescu B., Puiu A., Cojocaru C., Minoiu A.C., Scafa-Udriste A. Artificial intelligence and cloud based platform for fully automated PCI guidance from coronary angiography-study protocol. *PloS One*. 2022; 17(9): e0274296. doi:10.1371/journal.pone.0274296; *correspondent author. IF: 3.752

Popa-Fotea N.M., Scafa-Udriste A., Dorobantu M., The Continuum of Invasive Techniques for the Assessment of Intermediate Coronary Lesions. *Diagnostics* 2022. 12 (6):1492. IF: 3.706

Popa-Fotea NM*, Calmac L, Micheu MM, Cosmin M, Scarlatescu A, Zamfir D, Itu LM, Tache IA, Stoian D, Hatfaludi CA, Fossan FE, Hellevik LR, Weiss E, Scafa-Udriste A. A cloud-based platform for clinical decision support in acute coronary syndrome patients-a study methodology. *Kardiol Pol*. 2022; doi: 10.33963/KP.a2022.0076; IF: 3.108

Scarlatescu A.I., Micheu M.M., **Popa-Fotea N.**, Pascal A.M., Mihail A.M., Petre I., Deaconu S., Vîjîiac A., Dorobant M. IL-6, IL-1RA and Resistin as Predictors of Left Ventricular Remodelling and Major Adverse Cardiac Events in Patients with Acute ST Elevation Myocardial Infarction. *Diagnostics* 2022; 12:266. IF: 3.706

Alexandru Scafa-Udriste, **Nicoleta-Monica Popa-Fotea***, Lucian Calmac, Sebastian Onciul, Vlad Bataila, Cosmin Mihai, Vlad Ploscaru, Valentina Uscatescu, Georgiana Gherghe, Iulia Grigore, Maria Dorobanţu, Miruna Mihaela Micheu. Anti-platelet treatment challenges in Glanzmann thrombasthenia-clinical practice when data lacks. *Haemophilia*. 2022. 28:e98-e100. doi: 10.1111/hae.14527. IF: 4.287. *correspondent author

Calmac L.; **Popa-Fotea N.M.***, Bataila V., Ploscaru V., Turea A., Tache I., Stoian



D., Itu L., Badila E., Scafa-Udriște A., Dorobantu M. Importance (accuracy) of visual estimation of coronary artery stenoses and use of functional evaluation for appropriate guidance of coronary revascularization– multiple operator evaluation. *Diagnostics* 2021. 11(12):2241. IF: 3.706; *correspondent author

Rusu, I.; **Popa-Fotea**, N.-M.; Stanculescu, M.O.; Rusu, D.; Dumitru, A.; Scafa-Udriște, A.; Udrea, O.-M.; Micheu, M.M. The Attitude of Patients from a Romanian Tertiary Cardiology Center Regarding Participation in Biomarker-Based Clinical Trials. *Medicina* 2021, 57, 1180. IF: 2.43;

Dorobantu, M.; **Popa-Fotea N.-M.**; Micheu M.; Onciul, S.; Scafa-Udriște, A.; Ticulescu, R.; Dorobantu, L. Hypertrophic cardiomyopathy – a genetic disease in continuous development. *Bulletin de l'Académie Nationale de Médecine* 2021, 206 (1): 100-108.

Scărlătescu AI, Micheu MM, **Popa-Fotea N-M**, Dorobanțu M. MicroRNAs in Acute ST Elevation Myocardial Infarction-A New Tool for Diagnosis and Prognosis: Therapeutic Implications. *Int J Mol Sci* 2021; 22:9; IF: 4.556

Popa-Fotea N-M, Micheu MM, Oprescu N, Alexandrescu A, Greavu M, Onciul S, Onut R, Petre I, Scarlatescu A, Stoian M, Ticulescu R, Zamfir D, Dorobanțu M. The Role of Left-Atrial Mechanics Assessed by Two-Dimensional Speckle-Tracking Echocardiography to Differentiate Hypertrophic Cardiomyopathy from Hypertensive Left-Ventricular Hypertrophy. *Diagnostics* 2021; 11: 814. IF: 3.11

Alexandru Scafa-Udriște, Vlad Bataila, Lucian Calmac, **Nicoleta-Monica Popa-Fotea***, Maria Dorobanțu. Acute inferior myocardial infarction in a young man with testicular seminoma- case report. *World Journal of Clinical Cases*, 2021; 9:4040-4045 IF: 1.013; *correspondent author

Nicoleta Oprescu, Miruna Mihaela Micheu, Alexandru Scafa-Udriște, **Nicoleta-Monica Popa-Fotea***, Maria Dorobantu. Inflammatory markers in acute myocardial infarction and the correlation with the severity of coronary heart disease. *Annals of medicine* 2021. IF: 3.243; *correspondent author

Micheu, M.M.; **Popa-Fotea***, N.-M.; Oprescu, N.; Bogdan, S.; Dan, M.; Deaconu, A.; Dorobantu, L.; Gheorghe-Fronea, O.; Greavu, M.; Iorgulescu, C.; Scafa-Udriște, A.; Ticulescu, R.; Vatasescu, R.G.; Dorobanțu, M. Yield of Rare Variants Detected by Targeted Next-Generation Sequencing in a Cohort of Romanian Index Patients with Hypertrophic Cardiomyopathy. *Diagnostics* 2020, 10, 1061. Doi: 10.3390/diagnostics10121061; IF: 3.11; *correspondent author

Popa-Fotea, N.-M.; Cojocaru, C.; Scafa-Udriște, A.; Micheu, M.M.; Dorobantu, M. The Multifaced Perspectives of Genetic Testing in Pediatric Cardiomyopathies and Channelopathies. *J. Clin. Med.* 2020, 9 (7), 2111. doi: 10.3390/jcm9072111; IF: 3.303

Popa-Fotea N.-M.; Micheu M.M.; Onciul S.; Zamfir D.; Dorobanțu M. Combined right and left ventricular mechanical dispersion enhance the arrhythmic risk stratification in hypertrophic cardiomyopathy. *J. Cardiol.* 2020. doi:

10.1016/j.jjcc.2020.04.009; IF :2.289

Popa-Fotea NM, Micheu MM, Bataila V, Scafa-Udriste A, Dorobantu L, Scarlatescu AI, Zamfir D, Stoian M, Onciul S, Dorobantu M. Exploring the Continuum of Hypertrophic Cardiomyopathy—From DNA to Clinical Expression. *Medicina*. 2019; 55(6): 299. doi: 10.3390/medicina55060299. IF:1.467

Micheu MM, **Popa-Fotea NM**, Oprescu N, Dorobantu M, Ratiu AC, Ecovoiu A. NGS data validated by Sanger sequencing reveal a puzzling small deletion of MYBPC3 gene associated with hypertrophic cardiomyopathy. *Romanian Biotechnological Letters*. 2019; 24(1): 91-99. doi: 10.25083/rbl/24.1/91.99. IF:0.59

Micheu MM, **Popa-Fotea NM**, Bataila V, Oprescu N, Dorobantu M. SAFETY and efficacy of autologous bone marrow – derived mononuclear stem cell therapy in patients with severe chronic ischemic Heart Failure – Rationale and Design. *Romanian Biotechnological Letters*. 2018; 23(7). doi: 10.26327/RBL2018.237. IF:0.59

Dorobantu M., **Popa-Fotea NM**, Popa M., Rusu I., Micheu MM., Pursuing meaningful end-points for stem cell therapy assessment in ischemic cardiac disease. *World Journal of Stem Cells*. 2017; 9(12): 203-218. IF: 4.376

Gaman L., Torac E., Tarta Arsene O., Delia C., Iosif L., Dica .A, Iliescu C., Pomeran C., Muscurel C., Gilca M., Stroica L., Minciu I., Birca D., **Fotea N.**, Tivig I., Craiu D., Atanasiu V., Stoian I. Total and Residual Antioxidant Activity in children with mitochondrial dysfunction. *Journal of World Mitochondria Society*. 2015; 1 (2).

Lucrări in extenso publicate în reviste de specialitate indexate BDI

Miruna-Mihaela Micheu, Nicoleta Oprescu, **Nicoleta-Monica Popa-Fotea**. In Silico Analysis of Novel Titin Non-Synonymous Missense Variants Detected by Targeted Next-Generation Sequencing in a Cohort of Romanian Index Patients with Hypertrophic Cardiomyopathy. *Romanian Journal of Cardiology*. 2021; 31(3): 565-571

Dorobantu M, **Popa-Fotea N-M**. Potential benefits and harms of various arterial hypertension guidelines. *Int J Cardiol Hypertens*. 2020; 7: 100047

Vlad Bataila, **Nicoleta Popa-Fotea**, Sebastian Onciul, Lucian Calmac, Alexandru Scafa-Udriste, Ali Cherry, Diana Stanculescu, Maria Dorobantu. Antithrombotic Therapy in Patients with ST-segment Elevation Myocardial Infarction Undergoing Primary PCI. *Modern Medicine*. 2019; 26 (3).

Onciul S., Pascal A.M., Guzu C, Scarlatescu A., Petre I., Stoian M., Iancovici S., Cojocaru I., Popa M., **Popa-Fotea N.**, Deaconu A., Onut R., Zamfir D., Micheu M., Dorobantu M., Mitral Valve Remodeling after Acute Myocardial Infarction - a Longitudinal Three- Dimensional Echocardiography Study. *Modern Medicine*. 2019; 26(2).

Micheu MM, **Popa-Fotea NM**, Oprescu N, Dorobantu M, Proposed strategy for



circulating progenitor stem cells assessment by multiparameter flow cytometry analysis. *Romanian Journal of Cardiology*. 2018; Issue suppl_1, 157-158.

Nicoleta Oprescu, **Nicoleta Monica Popa-Fotea**, Miruna Mihaela Micheu, Hypertension and peripheral vascular damage assessment. *J Hypertens Res*. 2018. 4(1):15-21.

Popa-Fotea NM, Streptococcus gallolyticus endocarditis and colorectal cancer risk – a lesson to learn. *Infectio.ro*. 2018; 53(1). doi: 10.26416/Inf.53.1.2018.1613.

Cărți, Capitole de cărți

Nicoleta-Monica Popa-Fotea, Iulia Grigore, Miruna Mihaela Micheu, Lucian Călmăc, Cosmin Mihai, Valentina Uscatescu, Georgiana Gherghe, Alexandru Scafa. Sincope recurente la un pacient cu trombastenie Glanzmann. în vol. *Cardiologia în urgență-Prezentări de cazuri*-ed. a II-a. eds. Maria Dorobantu, (București, Ed. Medicală, 2023), 57-66

Popa-Fotea Nicoleta-Monica, Silvia Iancovici, Miruna Mihaela Micheu, Mircea Beuran, Valentin Enache, Razvan Scurtu. Durerea toracica acuta- cutia Pandorei sau calcaiul lui Ahile? în vol. *Cardiologie în urgență. De la prezent la viitor*, eds. Maria Dorobantu, Sebastian Onciul (București, Ed. Medicală, 2019), 61-73

Lucrări în rezumat prezentate la manifestări științifice

The Pandora box in a subject with aortic valve prosthesis and dual chamber pacemaker. Petre A.; Iorgulescu C.; Vatasescu R.G.; Onciul S.; **Popa-Fotea N.M.** Lucrare prezentata la EuroEcho 2024. Berlin

Peak left atrial systolic strain as a marker of left ventricular diastolic dysfunction in patients with ischemic heart failure with depressed ejection fraction after STEMI: pilot study Scarlatescu AI.; Stoian M.; **Popa-Fotea NM.**; Nicula G.; Oprescu N.; Mihai CA.; Bataila V.; Calmac L.; Zamfir D.; Ploscaru V.; Scafa-Udriste A.; Micheu MM.; Dorobantu M. *European Heart Journal - Cardiovascular Imaging*, Volume 21, Issue Supplement_1, January 2020, jez319.566, <https://doi.org/10.1093/ehjci/jez319.566>. IF: 5.26

A I Scarlatescu; M M Micheu, **N M Popa-Fotea**, I G Petre, N Oprescu, A M Mihail, M Dorobantu, The prognostic role of left atrial strain in young patients after ST elevation myocardial infarction: a 3D echocardiographic study, *European Heart Journal*, Volume 44, Issue Supplement_2, November 2023, ehad655.125, <https://doi.org/10.1093/eurheartj/ehad655.125>. IF: 39.3

N M Popa-Fotea, M M Micheu, M Dorobantu. Mechanical dispersion of the left and right ventricle and the correlation with ventricular arrhythmias in hypertrophic cardiomyopathy. *European Heart Journal-Cardiovascular Imaging*. 2020; 21 (Supplement_1): jez319.622. doi: 10.1093/ehjci/jez319.622. IF: 5.26

N M Popa-Fotea, M M Micheu, G Nicula, N Oprescu, A Scarlatescu, L Calmac,

M Dorobantu; The efficiency of autologous bone marrow stem cells in STEMI patients with systolic dysfunction- ECG-gated SPECT myocardial perfusion and echocardiography approach. *Cardiovascular Research*. 2018; 114 (suppl_1): S86. IF: 7.014

07.03.2025

A handwritten signature in blue ink, consisting of a stylized, cursive script that appears to be the initials 'MD' followed by a flourish.