



ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

AVIZAT,

Director ȘCOALA DOCTORALĂ DE ȘTIINȚELE VIEȚII, Dr. FELICIA ANTOHE, CȘ I

L. Bănuș

1. Îndeplinirea standardelor IOSUD superioare standardelor minimale naționale* ☐ DA| ☐ NU

2. Îndeplinirea standardelor IOSUD egale standardelor minimale naționale* ☒ DA| ☐ NU

FIȘA DE ÎNDEPLINIRE A STANDARDELOR IOSUD

FIȘA DE VERIFICARE

a îndeplinirii standardelor IOSUD

Candidat: POPA-FOTEA NICOLETA-MONICA

Data: 10.03.2025

Semnătura:

[Signature]

*se va alege una dintre variante

I. Date candidat

Medic specialist CARDIOLOGIE cf. ordinul de confirmare: 120 din 17.01.2023

Doctor în științe medicale, Titlul tezei de doctorat: CARDIOMIOPATII-DE LA TESTAREA GENETICĂ LA VALIDAREA MUTAȚIILOR, FOLLOW-UP ȘI SCREENING-UL FAMILIAL

cf. ordinului de confirmare: 3131 din 14.02.2022

II. Date numerice privind îndeplinirea standardelor minimale naționale, conform anexelor nr. 20 și 23 ale Ordinului Ministrului Educației Naționale și Cercetării Științifice nr. 6129/20.12.2016

1. Articole publicate în reviste cotate ISI în calitate de autor principal

Criteriul	Standard minim	Realizat
Număr articole publicate în reviste cotate ISI în calitate de autor principal	10	18

Criteriu îndeplinit: ☒ DA ☐ NU

Lista articolelor ISI publicate în calitate de autor principal: autori, titlu articol, revistă, an, volum, pagini, factor de impact

1. 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; 17(3): 100290; doi: 10.4330/wjc.v17.i3.100290. IF: 1.9/2023

2. Alexandru Scafa-Udriște, 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; 10:1270986; doi: 10.3389/fcvm.2023.1270986. IF: 2.8

3. Mitran, Raluca-Elena†; **Popa-Fotea, Nicoleta-Monica†**; Iorgulescu, Corneliu; Nastasa, Alexandrina; Pupaza, Adelina; Gondos, V.; Petre, Ioana-Gabriela; Paja, Steliana-Cosmina; Vatasescu, Radu-Gabriel. Left Atrial Low-Voltage Areas Predict the Risk of Atrial Fibrillation Recurrence after Radiofrequency Ablation. Biomedicines. 2023. 11: 3261. doi: 10.3390/biomedicines11123261. IF: 3.9. †These authors contributed equally to this work.

4. **Popa-Fotea, Nicoleta-Monica**; Oprescu, Nicoleta; Scafa-Udriste, Alexandru.; Micheu, Miruna Mihaela. 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: 4.9

5. **Popa-Fotea, Nicoleta-Monica**; Ferdoschi, Corina-Elena ; Micheu, Miruna-Mihaela. Molecular and cellular mechanisms of inflammation in atherosclerosis. *Frontiers in Cardiovascular Medicine*. 2023. 10:1200341. doi.org: 10.3389/fcvm.2023.1200341; IF: 2.8
6. **Popa-Fotea Nicoleta Monica**; Grigore, Iulia Adelina; Calmac Lucian; Mihai, Cosmin; Bataila, Vlad; Ploscaru, Vlad; Dragoescu, Bogdan; Moldovan, Horatiu; Busnatu, Stefan; Panaitescu, Eugenia; Iliuță, Luminita; Scafa-Udriște, Alexandru. 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. 12:1467. doi: 10.3390/jcm12041467. IF: 3
7. **Popa-Fotea, Nicoleta-Monica**; Scafa-Udriste, Alexandru; Grigore, Iulia; Scarlatescu, Alina; Oprescu, Nicoleta; Mihai, Cosmin; Micheu, Miruna Mihaela. 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. 38:2077-2083.doi: 10.1080/03007995.2022.2122673. IF: 2.3
8. Ploscaru, Vlad; **Popa-Fotea Nicoleta-Monica***; Calmac, Lucian; Itu, Lucian Mihai; Mihai, Cosmin; Bataila, Vlad; Dragoescu, Bogdan; Puiu, Andrei; Cojocaru, Cosmin; Minoiu, Aurelian Costin; Scafa-Udriste, Alexandru Artificial intelligence and cloud based platform for fully automated PCI guidance from coronary angiography-study protocol. *PloS One*. 2022. 17: e0274296. doi:10.1371/journal.pone.0274296; *correspondent author. IF: 3.7
9. **Popa-Fotea, Nicoleta-Monica**; Scafa-Udriste, Alexandru; Dorobantu, Maria. The Continuum of Invasive Techniques for the Assessment of Intermediate Coronary Lesions. *Diagnostics*. 2022; 12:1492. doi: 10.3390/diagnostics12061492. IF: 3.6
10. **Popa-Fotea, Nicoleta-Monica***; Calmac, Lucian; Micheu, Miruna-Mihaela; Mihai, Cosmin; Scarlatescu, Alina; Zamfir, Diana; Itu, Lucian Mihai; Tache, Irina Andra; Stoian, Diana; Hatfaludi, Cosmin Andrei; Fossan, Fredrik Eikeland; Hellevik, Leif Rune; Weiss, Emma; Scafa-Udriste Alexandru. A cloud-based platform for clinical decision support in acute coronary syndrome patients-a study methodology. *Kardiol Pol*. 2022. 80:604-607 doi: 10.33963/KP.a2022.0076; IF: 3.3
11. Alexandru Scafa-Udriște, **Nicoleta-Monica Popa-Fotea***, Lucian Calmac, Sebastian Onciul, Vlad Bataila, Cosmin Mihai, Vlad Ploscaru, Valentina Uscatescu, Georgiana Gherghe, Iulia Grigore, Maria Dorobanțu, 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: 3.9. *correspondent author.
12. Calmac, Lucian; **Popa-Fotea, Nicoleta Monica***; Bataila, Vlad; Ploscaru, Vlad; Turea, Adrian; Tache, Irina; Stoian, Diana; Itu, Lucian; Badila, Elisabeta; Scafa-Udriște, Alexandru; Dorobantu, Maria. 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. 11:2241. doi: 10.3390/diagnostics11122241. IF: 3.992; *correspondent author.
13. **Popa-Fotea, N-M**; Micheu, Miruna Mihaela; Oprescu, Nicoleta; Alexandrescu, Adriana; Greavu, Maria; Onciul, Sebastian; Onut, Roxana; Petre, Ioana; Scarlatescu, Alina; Stoian, Monica; Ticulescu, Razvan; Zamfir, Diana; Dorobanțu, Maria. 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. doi: 10.3390/diagnostics11050814. IF: 3.992

14. Oprescu, Nicoleta; Micheu, Miruna Mihaela; Scafa-Udriste, Alexandru; **Popa-Fotea, Nicoleta-Monica***; Dorobantu, Maria. Inflammatory markers in acute myocardial infarction and the correlation with the severity of coronary heart disease. *Annals of medicine* 2021. 53:1041-1047. doi: 10.1080/07853890.2021.1916070. IF: 5.348. *correspondent author
15. Micheu, Miruna Mihaela; **Popa-Fotea, Nicoleta-Monica***; Oprescu, Nicoleta; Bogdan, Stefan; Dan, Monica; Deaconu, Alexandru; Dorobantu, Lucian; Gheorghe-Fronea, Oana; Greavu, Maria; Iorgulescu, Corneliu; Scafa-Udriste, Alexandru; Ticulescu, Razvan; Vatasescu, Radu Gabriel; Dorobantu, Maria. 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: 3.706. *correspondent author
16. **Popa-Fotea, Nicoleta-Monica**; Cojocaru, Cosmin; Scafa-Udriste, Alexandru; Micheu, Miruna Mihaela; Dorobantu, Maria. The Multifaced Perspectives of Genetic Testing in Pediatric Cardiomyopathies and Channelopathies. *J. Clin. Med.* 2020. 9:2111. doi: 10.3390/jcm9072111; IF: 4.242
17. **Popa-Fotea, Nicoleta-Monica**; Micheu, Miruna Mihaela; Onciul, Sebastian; Zamfir, Diana; Dorobantu, Maria. Combined right and left ventricular mechanical dispersion enhance the arrhythmic risk stratification in hypertrophic cardiomyopathy. *J. Cardiol.* 2020. 76:364-370. doi: 10.1016/j.jcc.2020.04.009; IF: 3.159
18. **Popa-Fotea, Nicoleta Monica**; Micheu, Miruna Micheu; Bataila, Vlad; Scafa-Udriste, Alexandru; Dorobantu, Lucian; Scarlatescu, Alina Ioana; Zamfir, Diana; Stoian, Monica; Onciul, Sebastian; Dorobantu, Maria. Exploring the Continuum of Hypertrophic Cardiomyopathy—From DNA to Clinical Expression. *Medicina*. 2019. 55: 299. doi:10.3390/medicina55060299. IF:1.205.

1. Articole publicate în reviste cotate ISI în calitate de coautor

Criteriul	Standard minim	Realizat
Număr articole publicate în reviste cotate ISI în calitate de coautor	5	11

Criteriu îndeplinit: ☒ DA ☐ NU

Lista articolelor ISI publicate în calitate de coautor: autori, titlu articol, revistă, an, volum, pagini, factor de impact

1. 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*. 2024; 13: 1710; doi:10.3390/jcm13061710; IF: 3.0.
2. Hatfaludi, Cosmin-Andrei; Tache, Irina-Andra; Ciusdel, Costin-Florian; Puiu, Andrei; Diana, Stoian; Calmac, Lucian; **Popa-Fotea, Nicoleta-Monica**; Bataila, Vlad; Scafa-Udriste, 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*. 2024. 40: 1029-1039. doi:10.1007/s10554-024-03069-z. IF: 1.5.

3. Tache, Irina-Andra; Hatfaludi, Cosmin-Andrei; Puiu, Andrei; Itu, Lucian Mihai; **Popa-Fotea, Nicoleta Monica**; Calmac, Lucian; Scafa-Udriste, Alexandru. Assessment of the functional severity of coronary lesions from optical coherence tomography based on ensembled learning. Biomedical engineering online. 2023. 22: 127. <https://doi.org/10.1186/s12938-023-01192-x>. IF: 2.9.
4. Hatfaludi, Cosmin-Andrei; Tache, Irina-Andra; Ciușdel, Costin Florian; Puiu, Andrei; Stoian, Diana; Itu, Lucian Mihai; Calmac, Lucian; **Popa-Fotea, Nicoleta-Monica**; Bataila, Vlad; Scafa-Udriste, Alexandru. Towards a Deep-Learning Approach for Prediction of Fractional Flow Reserve from Optical Coherence Tomography. Applied Sciences. 2022. 10.3390/app12146964; IF: 2.7
5. Scarlatescu A.I., Micheu M.M., **Popa-Fotea, Nicoleta**; Pascal A.M., Mihail A.M., Petre I., Deaconu S., Vijtiac 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.
6. Rusu, Iulia; **Popa-Fotea, Nicoleta-Monica**; Stanculescu, Mihaela Octavia; Rusu, Diana; Dumitru, Alexandra; Scafa-Udriste, Alexandru; Udrea, Oana-Maria; Micheu, Miruna Mihaela. The Attitude of Patients from a Romanian Tertiary Cardiology Center Regarding Participation in Biomarker-Based Clinical Trials. Medicina. 2021; 57:1180. IF: 2.948
7. Dorobantu, Maria; **Popa-Fotea, Nicoleta-Monica**; Micheu, Miruna; Onciul, Sebastian; Scafa-Udriste, Alexandru; Ticulescu, Razvan; Dorobantu, Lucian. Hypertrophic cardiomyopathy – a genetic disease in continuous development. Bulletin de l'Académie Nationale de Médecine. 2021; 206: 100-108. doi: 10.1016/j.banm.2021.11.003. IF: 0.432
8. 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: 6.208
9. Micheu, Miruna Mihaela; **Popa-Fotea, Nicoleta Monica**; Bataila, Vlad; Oprescu, Nicoleta; Dorobantu, Maria. 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. 2020. 25: 2118-2126. doi: 10.25083/rbl/25.6/2118.2126.
10. Micheu, Miruna Mihaela; **Popa-Fotea, Nicoleta Monica**; Oprescu, Nicoleta; Dorobantu, Maria; Ratiu, Attila Cristian, Ecovoiu, Alexandru. NGS data validated by Sanger sequencing reveal a puzzling small deletion of MYBPC3 gene associated with hypertrophic cardiomyopathy. Romanian Biotechnological Letters. 2019. 24:91-99. doi: 10.25083/rbl/24.1/91.99. IF:0.765
11. 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 J Stem Cells 2017; 9(12): 203-218. doi:10.4252/wjsc.v9.i12.203. IF: 4.376.

2. Factorul cumulat de impact pentru articolele publicate ca autor principal în reviste cotate ISI (FCIAP)

Criteriul	Standard minim	Realizat
(ISI) Factor cumulat de impact autor principal	10	61.744

Criteriu îndeplinit: ☒ DA ☐ NU

3. Indexul Hirsch

Criteriul	Standard minim	Realizat
Index Hirsch	6	7

Criteriu îndeplinit: ☒ DA ☐ NU

Confirm prin prezenta că datele menționate mai sus sunt reale și se referă la propria mea activitate profesională și științifică

Data

07.03.2025

Semnătura candidatului,

