

Memoriu de activitate științifică

Date privind doctorandul:	
Nume / Prenume	Minciună Ioan-Alexandru

1. Articole publicate in extenso în reviste și volumele unor manifestari științifice indexate ISI, Web of Science, Core collection, cu factor de impact - autor principal

N r. C rt .	Titlul	Autorii	Calitatea autorului ¹	Revista, volum, nr. pagini	Facto rul de impac t ²	Qu art ila	Anul ³	Link al lucrării
1	Tachycardia-induced cardiomyopathy in a patient with left-sided accessory pathway and left bundle branch block A case report	Minciuna IA, Puiu M, Cismaru G, Gusetu G, Comsa H, Caloian B, Zdrenghea D, Pop D, Radu R.	Autor principal	Medicine (Baltimore), 98(32):e16642	1.552	Q3	2019	https://journals.lww.com/md-journal/fulltext/2019/08090/tachycardia_induced_cardiomyopathy_in_a_patient.21.aspx
2	The role of intracardiac echocardiography in reducing radiation exposure during atrial fibrillation ablation	Minciună IA, Puiu M, Cismaru G, Roșu R, Tomoaia R, Simu G, Istrătoaie S, Caloian B, Comșa H, Gușetu G, Zdrenghea D, Pop D	Autor principal	Med Ultrason, 25;23(4):424-429.	1.750	Q2	2021	https://medultrason.ro/medultrason/index.php/medultrason/article/view/2888
3	Assessment of subclinical diabetic cardiomyopathy	Minciună, I. A., Hilda Orășan,	Autor principal	European journal of clinical	5.722	Q1	2021	https://onlinelibrary.wiley.com/doi/10.1111/eci

	by speckle-tracking imaging	O., Minciună, I., Lazar, A. L., Sitar-Tăut, A. V., Oltean, M., Tomoaia, R., Puiu, M., Sitar-Tăut, D. A., Pop, D., Cozma, A.		investigation, 51(4), e13475				.13475
4	Atrial Fibrillation Ablation in a Patient with Cor Triatriatum Sinister and Left Common Pulmonary Vein: Impact of Left Atrium Anatomy on Ablation Approach	Minciună IA, Cismaru G, Puiu M, Roșu R, Amet D, Anghelina D, Gica A, Tomoaia R, Andronache M, Pop D	Autor principal	Life (Basel, Switzerland), 12(7), 992.	3.2	Q1	2022	https://www.mdpi.com/2075-1729/12/7/992
5	Single accessory pathway with multiple insertions? First-in-human 3D visualization using dipole charge density mapping: a case report	Minciuna, I. A., Gagy, R. B., Wijchers, S., & Szili-Torok, T	Autor principal	European heart journal. Case reports, 7(9), ytad405	0.8	Q4	2023	https://pubmed.ncbi.nlm.nih.gov/articles/PMC10499334/
6	General anesthesia improves efficiency of high-power short-duration	Minciună, I. A., Tomoaia, R., Suceveanu, M.,	Autor principal	Journal of personalized medicine, 14(8),	ESCI/WOS	-	2024	https://www.mdpi.com/2075-4426/14/8/865

	catheter ablation for atrial fibrillation: Comparison with mild conscious sedation	Cismaru, G., Puiu, M., Roșu, R., Simu, G., Irimie, D. A., Frîngu, F., Caloian, B., Andronache, M., Zdrenghea, D., & Pop, D		865				
7	Recent advances in understanding the molecular mechanisms of SGLT2 inhibitors in atrial remodeling,	Minciună IA, Tomoaia R, Mihăilă D, Cismaru G, Puiu M, Roșu R, Simu G, Frîngu F, Irimie DA, Caloian B, Zdrenghea D, Pop D	Autor principal	Current issues in molecular biology, 46(9), 9607–9623	3	Q3	2024	https://www.mdpi.com/1467-3045/46/9/571
8	Multimodal evaluation of arrhythmogenic substrate predicts atrial fibrosis and atrial fibrillation recurrence after catheter ablation	Minciună IA, Tomoaia R, Vajda P, Hart N, Agoston R, Cornea T, Birsan GA, Linul AM, Cismaru G, Puiu M, Roșu RO, Simu G, Pop D	Autor principal	Journal of clinical medicine, 14(18), 6414.	2.9	Q1	2025	https://www.mdpi.com/2077-0383/14/18/6414

¹ se va nota (prim autor, autor corespondent, ultim autor, autor cu contribuții egale)

² se va nota factorul de impact în anul apariției articolului

³ se va nota anul apariției articolului

2. Articole publicate in extenso în reviste și volumele unor manifestari științifice indexate ISI, Web of Science, Core collection, cu factor de impact - coautor

N r. C rt .	Titlul	Autorii	Revista, volum, nr. pagini	Facto rul de impac t ²	Qu art ila	Anul ³	Link al lucrării
1	Renal Cell Carcinoma With Extensive Tumor Thrombus Into the Inferior Vena Cava and Right Atrium in a 70-Year-Old Man	Oltean, M. A., Matuz, R., Sitar-Taut, A., Mihailov, A., Rednic, N., Tantau, A., Toganel, R., Minciuna, I. A., Orasan, O., Muresan, F., & Cozma, A.	American journal of men's health, 13(3).	1.605	Q2	2019	https://journals.sagepub.com/doi/10.1177/1557988319846404?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed
2	The role of multimodal imaging in the diagnosis of an asymptomatic patient with congenital anomaly	Tomoaia, R., Molnar, A., Beyer, R. Ș., Dădârlat-Pop, A., Frîngu, F., Gurzau, D., Simu, G., Minciună, I. A., Caloian, B., Zdrenghea, D., & Pop, D.	Medical ultrasonography, 23(2), 231–234.	1.759	Q2	2021	https://www.medultrason.ro/medultrason/index.php/medultrason/article/view/2325
3	Fatal association of fulminant myocarditis and rhabdomyolysis after immune checkpoint blockade	Tomoaia, R., Beyer, R. Ș., Pop, D., Minciună, I. A., & Dădârlat-Pop, A.	European journal of cancer (Oxford, England : 1990), 132, 224–227.	9.162	Q1	2020	https://www.ejcancer.com/article/S0959-8049(20)30144-1/abstract
4	Value of Left Atrial Appendage Function Measured by	Istratoaie, S., Vesa, Ș. C., Cismaru, G., Pop, D., Roșu, R., Puiu, M., Pepine,	Diagnosics (Basel, Switzerla	3.706	Q2	2021	https://www.mdpi.com/2075-4418/11/8/14

	Transesophageal Echocardiography for Prediction of Atrial Fibrillation Recurrence after Radiofrequency Catheter Ablation	D., Ciobanu, C., Minciuna, I. A., Simu, G., Zdrenghea, D., & Buzoianu, A. D	nd), 11(8), 1465.				65
5	Atrial high-rate episodes: a comprehensive review	Simu, G., Rosu, R., Cismaru, G., Puiu, M., Gusetu, G., Minciuna, I., Istratoaie, S., Tomoaia, R., Zdrenghea, D., & Pop, D	Cardiovascular journal of Africa, 32(2), 102–107	0.802	Q4	2021	https://pubmed.ncbi.nlm.nih.gov/articles/PMC9219569/
6	Impact of Three-Dimensional Strain on Major Adverse Cardiovascular Events after Acute Myocardial Infarction Managed by Primary Percutaneous Coronary Intervention-A Pilot Study.	Tomoaia R, Beyer RŞ, Zdrenghea D, Dădârlat-Pop A, Popescu MI, Cismaru G, Guşetu G, Şerban AM, Simu GR, Minciună IA, Caloian B, Roşu R, Cheţan MI, Pop D.	Life (Basel). 2021 Sep 7;11(9):930.	3.253	Q2	2021	https://www.mdpi.com/2075-1729/11/9/930
7	Left Atrial Volume Correlates with Mitral Annulus Size: An MDCT Study.	Gabriel Cismaru , Iulia Valean , Mihnea Cantemir Zirbo , Alexandru Tirpe , Andrei Cismaru , Radu Rosu , Mihai Puiu , Lucian Muresan , Gabriel Gusetu , Ioan-Alxandru Minciuna , Cristian Marius Florea , Raluca Tomoaia , Dumitru Zdrenghea , Dana	Applied Sciences 2021; 11,11329 .	2.838	Q2	2021	https://www.mdpi.com/2076-3417/11/23/11329

		Pop.					
8	Particularities of Catheter Ablation in Women with Atrial Fibrillation and Associated Ischemic Heart Disease.	Irimie DA, Sitar-Tăut AV, Caloian B, Frîngu F, Cismaru G, Roșu R, Puiu M, Minciună IA, Simu G, Zdrenghea D, Pop D.	J Clin Med. 2022 Sep 22;11(19):5568.	4.964	Q2	2022	https://www.mdpi.com/2077-0383/11/19/5568
9	A Rare Case of Successfully Treated Double Valve Infective Endocarditis Caused by Pseudomonas aeruginosa.	Tomoaia R, Oprea A, Sandu I, Danu V, Pop D, Zdrenghea D, Dădârlat-Pop A, Minciună IA, Chețan IM, Hada NC, Beyer RȘ.	Int J Mol Sci. 2022 Sep 22;23(19):11127.	3.6	Q2	2022	https://www.mdpi.com/1422-0067/23/19/11127
10	Galectin-3, Inflammation, and the Risk of Atrial High-Rate Episodes in Patients with Dual Chamber Pacemakers.	Simu GR, Tomoaia R, Rosu RO, Gusetu G, Puiu M, Cismaru G, Caloian B, Terec A, Buliga T, Boer A, Minciuna IA, Bodizs G, Zdrenghea D, Pop D.	Int J Mol Sci. 2023;24(9):7710.	4.9	Q1	2023	https://www.mdpi.com/1422-0067/24/9/7710
11	Body size influences heart rate in children aged 6 to 18 years old	turcanu, S., Gusetu, G., Ciobanu, D. M., Istratoaie, S., Rosu, R., Alexandru, M. I., Muresan, L., Lazea, C., Pop, D., Zdrenghea, D., Cismaru, G., Barsu, C., Negru, A. G., Cismaru, A., & Cainap, S. S.	Medicine , 102(3), e32602.	1.4	Q2	2023	https://pmc.ncbi.nlm.nih.gov/articles/PMC9857381/
12	Charge density mapping demonstrates superiority in catheter ablation of post-surgical	Gagyi, R. B., Minciuna, I. A., Bories, W., & Szili-Torok, T	Frontiers in cardiovascular medicine , 11,	2.9	Q2	2024	https://www.frontiersin.org/journals/cardiovascular-medicine/articles/10.3389/

	atrial tachycardias		1453273				fevm.2024.1453273/full
13	Computed Tomography Confirms Increased Left Atrial Volume in Patients with Bayés Syndrome Referred for Catheter Ablation of Atrial Fibrillation	Cismaru, G., Wagner, G., Gusetu, G., Minciuna, I. A., Irimie, D., Fringu, F., Tomoia, R., Comsa, H., Caloian, B., Pop, D., & Rosu, R. O.	Diagnos tics (Basel, Switzerla nd), 14(21), 2416.	3.3	Q1	2024	https://www.mdpi.com/2075-4418/14/21/2416
14	The Impact of Trimethylamine N-Oxide on Atrial Fibrillation Presence in Patients with Cardiovascular Disease	Florea, C. M., Rosu, R. O., Minciuna, I. A., Cismaru, G., Pop, D., Vlase, A. M., Nenu, I., & Filip, G. A	Journal of xenobioti cs, 15(1), 28.	4.4	Q1	2025	https://www.mdpi.com/2039-4713/15/1/28
15	Optimal power settings have major impact on procedural efficiency in pulmonary vein isolation guided by robotic magnetic navigation	Gagyi, R. B., Minciuna, I. A., Geczy, T., Nemes, A., & Szili-Torok, T.	Journal of intervent ional cardiac electroph ysiology : an internati onal journal of arrhythm ias and pacing, 10.1007/s10840-025-02058-z.	2.6	Q2	2025	
16	Beyond Traditional Risk Factors: Integrating Epicardial Adipose Tissue	Mihăilă MD, Caloian B, Frîngu FI, Irimie DA, Minciună IA, Pop D.	J Clin Med. 2025 Aug 30;14(17):6139.	2.9	Q1	2025	https://www.mdpi.com/2077-0383/14/17/6139

	into the Comorbidity Landscape of HFpEF.						
17	Targeting Atrial Fibrillation in HFpEF: Comparative Effectiveness of Rhythm Control Strategies and Modulatory Effects of SGLT2 Inhibitors.	Mihăilă MD, Minciună IA, Caloian B, Frîngu FI, Todor SB, Aleman AI, Pop D.	J Clin Med. 2025 Nov 11;14(22):8003.	2.9	Q1	2025	https://www.mdpi.com/2077-0383/14/22/8003

² se va nota factorul de impact în anul apariției articolului

³ se va nota anul apariției articolului

ALTE TIPURI DE PUBLICAȚII

1. Articole publicate in extenso în reviste și volumele unor manifestari științifice indexate ISI, Web of Science, Core collection fără factor de impact sau BDI - autor principal

Nr. Crt.	Titlul	Autorii	Calitatea autorului ¹	Revista, volum, nr. pagini	Anul ²	Link al lucrării

¹ se va nota (prim autor, autor corespondent, ultim autor, autor cu contribuții egale)

² se va nota anul apariției articolului

2. Articole publicate in extenso în reviste și volumele unor manifestari științifice indexate ISI, Web of Science, Core collection fără factor de impact sau BDI - coautor

Nr. Crt.	Titlul	Autorii	Revista, volum, nr. pagini	Anul ²	Link al lucrării
1	Evaluation of endothelial dysfunction and its improvement after cardiac rehabilitation	Angela Cozma, Adela-Viviana Sitar-Taut ¹ , Adriana Fodor, Monica Oltean, Ioan-Alexandru Minciuna, Iulia Breaban ⁴ , Roxana Matuz, Nicoleta Racataianu, Gabriela Dogaru, Olga Orășan	Balneo Research Journal, 9(4):364-375	2018	https://www.researchgate.net/publication/329917584_Evaluation_of_endothelial_dysfunction_and_its_improvement_after_cardiac

	n				_rehabilitation #fullTextFileC ontent
2	Transthyret in cardiac amyloidosis	Tomoaia, R., Beyer, R., Manole, S., Chirilă, A., Dădârlat-Pop, A., Minciună, I. A., & Pop, D.	Medicine and pharmacy reports, 94(Suppl No 1), S11–S14	2021	https://pmc.ncbi.nlm.nih.gov/articles/PMC8411828/pdf/cm-94-s11.pdf

² se va nota anul aparitiei articolului

Modalitatea de prezentare a activității științifice: numerotarea lucrărilor se va face în ordinea progresivă a zilei, lunii și a anului publicării

Editare de cărți, cursuri și caiete de lucrări practice pentru studenți sau pentru cursuri postuniversitare:

- Adam Feather, David Randall, Mona Waterhouse: Kumar și Clark Medicină Clinică. Leonard Azamfirei, Anca Dana Buzoianu, Dan Ionuț Gheonea
- Gabriel Cismaru, Simona Sorana Cainap, Cecilia Lazea : Pediatric Holter Monitoring, A case-based Approach
- Dumitru Zdrenghia, Dana Pop, Radu Rosu, Gabriel Gusetu - Compendiu de electrocardiografie clinica, editia a VII-a, revizuita si adăugită

Participări cu lucrări la manifestări științifice naționale

- Lead author: “An atypical case of heart failure”, I.A. Minciună, G. Simu, C. Florea, G. Cismaru, R. Roșu, D. Pop, D. Zdrenghia, M. Puiu, The 57th Romanian National Congress of Cardiology, 19-22th of September 2018, Sinaia, Romania.
- Lead author: “Epinephrine test in a patient with aquired long QT syndrome after ceftazidime administration”, I.A. Minciună, G. Simu, C. Florea, D. Zdrenghia, D. Pop, R. Rosu, M. Puiu, G. Cismaru, The 57th Romanian National Congress of Cardiology, 19-22th of September 2018, Sinaia, Romania.
- Co-author: “Catheter ablation of premature ventricular contractions in a case of obstructive hypertrophic cardiomyopathy”, G. Simu, D. Pop, D. Zdrenghia, R. Roșu, G. Cismaru, S. Aursulesei, I. A. Minciună, F. Cristian, M. Puiu, The 57th Romanian National Congress of Cardiology, 19-22th of September 2018, Sinaia, Romania.

- Co-author: “Variation of the PR interval for confirming ventricular preexcitation on a 12-lead ECG”, S. Istratoaie, G. Cismaru, R. Rosu, G. Simu, I.A. Minciuna, C. Florea, D. Zdrenghea, D. Pop, The 57th Romanian National Congress of Cardiology, 19-22th of September 2018, Sinaia, Romania.
- First prize: Junior Doctors Session "A typical atrial fibrillation case" I.A. Minciuna, G. Cismaru, R. Rosu, D. Zdrenghea, D. Pop, M. Puiu, The 56th Romanian National Congress of Cardiology, 20-23rd of September 2017, Sinaia, Romania
- Romanian Cardiology Working Groups Conference, 10-12th of May 2017, Sibiu, Romania.
- Romanian Cardiology Working Groups Conference, 4-6th of May 2017, Sinaia, Romania.
- Speaker at YoungDiab Forum, 11-13th of July 2019, Cluj-Napoca, Romania: Atrial fibrillation particularities in diabetic patients.
- Speaker at Progresses in Cardiology and Cardiovascular Surgery 6-8th of June 2019, Cluj-Napoca, Romania: Typical atrial flutter.
- Speaker at Heart Failure International Forum, 15-16th of June 2019, Bucharest, Romania: Supraventricular tachycardia and heart failure.
- First prize: Best Atrial Fibrillation Original Research “ICE guidance for AF catheter ablation: beginning of a new era?” I.A. Minciuna, G. Cismaru, G. Simu, S. Istratoaie, R. Rosu, D. Zdrenghea, D. Pop, M. Puiu, The 58th Romanian National Congress of Cardiology, 18-21th of September 2019, Sinaia, Romania
- Lead author: “An atypical case of heart failure”, I.A. Minciună, G. Simu, C. Florea, G. Cismaru, R. Roșu, D. Pop, D. Zdrenghea, M. Puiu, The 57th Romanian National Congress of Cardiology, 19-22th of September 2018, Sinaia, Romania.
- Actualities in Arrhythmology Course (ARCA) by the Romanian Society of Cardiology, Hands-on intracardiac echocardiography training on ICE simulator, by Biosense-Webster, November 2019, Constanta, Romania
- Lead author: “Differential diagnosis in a young athlete with high-degree AV block”, I.A. Minciună, G. Simu, C. G. Cismaru, R. Roșu, D. Pop, D. Zdrenghea, M. Puiu, The 60th Romanian National Congress of Cardiology, 22-25th of September 2021, online
- “Electrical storm” – Romanian Cardiology Working Groups Conference, 17-20th of April 2024, Sibiu, Romania
- “My EP Fellowship” - “Arrhythmias working group – Third annual meeting & Best of EHRA”, 30th of May– 1st of June 2024, Bucharest, Romania

Participări cu lucrări la manifestări științifice internaționale

- Lead author: “Atrial tachycardia: friend or foe during catheter ablation of extra-pulmonary vein sources?”, April 24-27, 2025, San Diego, CA, USA
- Lead author: “Impact of initial ablation parameters on pulmonary vein reconnection in redo high-power short-duration catheter ablation for atrial fibrillation”, EHRA Congress, Sunday, 30 March - Tuesday, 01 April 2025, Vienna, Austria
- Lead author: “Myocardial work as a novel gold standard prognostic marker following acute myocardial infarction”, Heart Failure 2024, Lisbon, Portugal
- Seventh Annual International Society for Cardiac Robotic Navigation (SCRN) Meeting, 19-20th of October 2023, Washington DC, USA
- Prague Rhythm, 19-21th of March 2023, Prague, Czech Republic
- Lead author: General anesthesia or mild conscious sedation? First comparison for high-power short-duration ablation for atrial fibrillation, EHRA Congress, 16th-18th of April 2023, Barcelona, Spain
- ESC Congress 2021, The digital experience, 26-29th of August 2021
- ESC Congress 2020, The digital experience, 29th of August – 3rd of September 2020
- Lead author: “The road to zero-fluoroscopy catheter ablation in recurrent paroxysmal atrial fibrillation using ICE: training, learning, getting closer”, poster presentation - I.A. Minciuna, M. Puiu, G. Cismaru, G. Simu, S. Istratoaie, R. Rosu, D. Zdrenghia, D. Pop, EuroEcho, 4-7th of December 2019, Vienna, Austria:
- Lead author: “Correlations between voltage map and p wave duration in patients with Bayes syndrome undergoing catheter ablation for atrial fibrillation”, I.A. Minciuna, G. Cismaru, R. Rosu, G. Simu, C. Florea, S. Istratoaie, G. Gusetu, D. Zdrenghia, D. Pop, M. Puiu, European Heart Rhythm Association Congress, 17-19th of March 2019, Lisbon, Portugal.
- Co-author: “Prevalence of interatrial block in a tertiary referral hospital”, S. Istratoaie, G. Cismaru, R. Rosu, G. Simu, I.A. Minciuna, C. Florea, G. Gusetu, D. Zdrenghia, D. Pop, European Heart Rhythm Association Congress, 17-19th of March 2019, Lisbon, Portugal.
- 22nd Prague Workshop on Catheter Ablation, 14-16th of April 2019, Prague, Czech Republic.
- European Heart Rhythm Association Congress, 18-20th of March, 2018, Barcelona, Spain.
- European Society of Cardiology Congress, 25-29th of August 2018, Munich, Germany.
- Romanian National Cardiology Congress, 21-24th of September 2016, Sinaia, Romania.
- “Actualities in Arrhythmology” Conference, 25th of March 2016, Brasov, Romania.
- Romanian Cardiology Working Groups Conference, 7-9th of May 2015, Sinaia, Romania.
- Romanian National Cardiology Congress, 3-5th of October 2013, Sinaia, Romania.

- The International Congress for Medical Students and Young Doctors – Iasi, Romania – 2012.
- “Medicalis”International Congress for Medical Students and Young Health Professionals -2011.
- European Medical Students Conference – Leiden, The Netherlands – from 28th of August to 1st of September 2011.

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