

A. Lista cu cele 10 lucrări relevante

1. **Harpa MM**, Anitei ED, Simionescu DT, et al. Preclinical testing of acellular and polyphenol-stabilized arterial xenografts in sheep. *The Journal of Vascular Access*. 2025;0(0). doi:10.1177/11297298251382538, IF 1.7 - Q3.
2. **Harpa MM**, Anitei E-D, Al Hussein H, Veres M, Gurzu S, Opriș DR, Sorina FE, Arbănași EM, Ghiragosian C, Banceu CM, et al. Atrial Myxoma in Both Chambers: Biatrial or Bilateral? A Rare Case Resected via Endoscopic Approach and Literature Review. *Medical Sciences*. 2025; 13(4):294. <https://doi.org/10.3390/medsci13040294>, IF 4.4 - Q1.
3. **Harpa, M.M.**, Oltean, S.F., Puscas, A.I., Truta, R., Anitei, D.E., Ghiragosian, C., Banceu, C., Movileanu, I., Cotoi, O.S., Niculescu, R., Suciu, H., Simionescu, D. & Hussein, H.A. (2023). Bioengineered Small-Diameter Vascular Xenografts as an Alternative to Autologous Vascular Grafting for Emergency Revascularization – a Preliminary Study. *Journal of Cardiovascular Emergencies*, 9(4), 2023. 103-110. <https://doi.org/10.2478/jce-2023-0021>, IF 0.8 - Q4.
4. Movileanu I, **Harpa M**, Al Hussein H, et al. Preclinical testing of living tissue-engineered heart valves for pediatric patients, challenges and opportunities. *Front Cardiovasc Med*. 2021;8:707892. doi:10.3389/fcvm.2021.707892 - autor corespondent, IF 5.8-Q2.
5. Al Hussein H, Al Hussein H, Suciu H, Anitei DE, Sircuta C, Cotfas I, Cordos B, Lefter C, Brinzaniuc K, Simionescu D, **Harpa MM**. Short- and Medium-Term Surgical Outcomes of Tissue-Engineered Pulmonary Valve Replacement in Sheep. *Tissue Eng Regen Med*. 2025 Oct;22(7):1019-1039. doi: 10.1007/s13770-025-00735-8, IF 4.1- Q2.
6. Suciu, H., Elkahlout, A., Nicolae, V., Tomșa, F., Stan, A., Al-Hussein, H., Călburean, P.-A., Scurtu, A.-C., Aniței, D. E., Hadadi, L., Brînzaniuc, K., & **Harpa, M. M.** (2025). Outcomes and Cost-Effectiveness of Transcatheter Versus Surgical Aortic Valve Replacement in Patients with and Without Coronary Artery Disease. *Journal of Cardiovascular Development and Disease*, 12(6), 217. <https://doi.org/10.3390/jcdd12060217>, IF 2.3 - Q2.
7. Suciu, H., Călburean, P.-A., Huțanu, A., Oprica, M., Opriș, D. R., Scurtu, A.-C., Stan, A., Aniței, D., Brînzaniuc, K., Hadadi, L., & **Harpa, M.** (2025). Natriuretic Peptides and Soluble ST2 Improve Echocardiographic and Invasive Long-Term Survival Prediction in Patients Evaluated for Diastolic Dysfunction. *International Journal of Molecular Sciences*, 26(8), 3713. <https://doi.org/10.3390/ijms26083713>, IF, 4.9 - Q1.

8. Al Hussein H, Al Hussein H, Sircuta C, Cotoi OS, Movileanu I, Nistor D, Cordos B, Deac R, Suci H, Brinzaniuc K, Simionescu DT, **Harpa MM**. Challenges in Perioperative Animal Care for Orthotopic Implantation of Tissue-Engineered Pulmonary Valves in the Ovine Model. *Tissue Eng Regen Med*. 2020 Dec;17(6):847-862. doi: 10.1007/s13770-020-00285-1. Epub 2020 Aug 29. IF 4.1 - Q2.
9. Suci H., **Harpa Marius Mihai**, Călburean P.A., Al-Hussein H., Scurtu A.C., Stan A., Alexandru D., Anitei D.E., Hadadi L. Ten year outcomes in three vessel disease treated by CABG versus PCI in an Eastern European registry. *Scientific Reports*, 2025, vol. 15, art. nr. 43284. DOI: 10.1038/s41598-025-29361-z, IF 3.9 - Q1.
10. Călburean, P.-A., Pannone, L., Monaco, C., Della Rocca, D., Sorgente, A., Almorad, A., Bala, G., Aglietti, F., Ramak, R., Overeinder, I., Ströker, E., Pappaert, G., Măru'teri, M., **Harpa, M.**, La Meir, M., Brugada, P., Sieira, J., Sarkozy, A., Chierchia, G.-B., & de Asmundis, C. (2024). Predicting and recognizing drug-induced Type I Brugada pattern using ECG-based deep learning. *Journal of the American Heart Association*, 13(10), Article e033148. <https://doi.org/10.1161/JAHA.123.033148>, IF 5.3 - Q1.

B. Teza de doctorat

Titlul tezei: "Biomateriale colagenice populate cu celule stem pentru înlocuiri valvulare", conducător științific Prof. Univ. Dr. Klara Brânzaniuc - Calificativ "Excelent" – "Summa cum Laude" – Diploma de Doctor Seria J Nr. 0023413

C. Cărți și capitole în cărți

1. **Marius Mihai Harpa**, David-Emanuel Anitei, Liviu Moraru, Hussam Al Hussein, Sebastian-Ionut Arjoca, Luciana Arjoca, Horatiu Suci, *Bioingineria tisulară în chirurgia cardiovasculară*, University Press Targu Mures, 2025, 131 pag, ISBN 978-973-169-950-9, (autor principal).
2. **Marius Mihai Harpa**, Alexandra Puscas, Horatiu Suci, *Principii practice de chirurgie cardiaca*, University Press Targu Mures, 2025, 198 pag, ISBN 978-973-169-941-7, (autor principal).
3. Balau Radu Alexandru, Suci Horatiu, **Harpa Marius Mihai**, Ghiragosian Claudiu, *Reconstructia ventriculului stang pentru anevrism post infarct miocardic*, serie editoriala teze de doctorat, University Press Targu Mures, 2020, 134 pag, ISBN 978-973-169-656-0.
4. **Harpa Marius Mihai**, Klara Branzaniuc, Horatiu Suci, Ovidiu Cotoi, Ionela Movileanu, Dan Simionescu, *Studii experimentale de bioinginerie tisulara in chirurgia cardiaca*

valvulara: dupa teza de doctorat, University Press Targu Mures, 2017, 114 pag, ISBN 978-973-169-500-6. (autor principal).

Capitole

1. Capitol: Suciu Horațiu, Elkahlout Ayman, **Harpa Marius Mihai**, „Tratamentul complex al afecțiunilor aortei toraco-abdominale”, în “Angiologia si Chirurgia Vasculară” (coordonator Claudia Diana Gherman), Editura Casa Cartii de Știință, 2016, pg 175-189, ISBN 978-606-17-1008-9.

2. Horatiu Suciu, **Marius Harpa**, Claudiu Ghiragosian, Hussam Al Hussein, Alexandra Stoica, “Transplantul cardiac pediatric”, in “Eseșialul in cardiologia pediatrica”, editura Amaltea, sub redactia Eliza Cinteza, Alin Nicolescu, 2023, pg 512-521, ISBN 978-973-162-232-3.

D. Articole/studii în extenso

i. Articole în reviste cotate ISI

Prim autor:

1. **Mihai Harpa, M.**, Cătălina Anghel, Ș., Stan, A., Elkahlout, A., Anitei, D.E., Catalin Cosarca, M., Marian Banceu, C., Suciu, H. & Al-Hussein, H. (2025). Peripheral Vascular Access Complications After Percutaneous Procedures: A Single-Center Experience. Journal of Cardiovascular Emergencies, 11(4), 2025. 164-171. <https://doi.org/10.2478/jce-2025-0018>, IF 0,8 - Q4.

2. **Harpa MM**, Anitei E-D, Al Hussein H, Veres M, Gurzu S, Opreș DR, Sorina FE, Arbănași EM, Ghiragosian C, Banceu CM, et al. Atrial Myxoma in Both Chambers: Biatrial or Bilateral? A Rare Case Resected via Endoscopic Approach and Literature Review. Medical Sciences. 2025; 13(4):294. <https://doi.org/10.3390/medsci13040294>, IF 4.4 - Q1.

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5. **Harpa MM**, Oltean SF, Al Hussein H, Anitei DE, Puscas IA, Bănceu CM, Veres M, Opris DR, Balau RA, Suciu H. Successful Treatment of Unilateral Pulmonary Edema as Minimally Invasive Mitral Valve Surgery Complication—Case Presentation. *Journal of Clinical Medicine*. 2024; 13(24):7654. <https://doi.org/10.3390/jcm13247654>, IF 2.9 - Q1.

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Înainte de ultima promovare

7. **Harpa, M.**, Movileanu, I., Sierad, L., Cotoi, O., Suciu, H., Preda, T., Nistor, D., Sircuța, C., Brânzaniuc, K., Deac, R., Gurzu, S., Harceaga, L., Olah, P., Simionescu, D., Dandel, M. & Simionescu, A. (2016). In Vivo Testing of Xenogeneic Acellular Aortic Valves Seeded with Stem Cells. *Revista Romana de Medicina de Laborator*, 24(3), 2016. 343-346. <https://doi.org/10.1515/rrlm-2016-0031>, IF 0.3 - Q4.

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Autor principal:

1. Opris DR, **Harpa MM**, Anitei D-E, Calburean P, Rudzik R. Mitral Valve Prolapse and Sudden Cardiac Death—A Puzzle with Missing Pieces: Review of the Literature and Case Report. *Medical Sciences*. 2025; 13(3):185. <https://doi.org/10.3390/medsci13030185> - autor corespondent, IF 4.4 - Q1.

2. Anitei E-D, **Harpa MM**, Al Hussein H, Ghiragosian C, Stroe VI, Calburean P, Gurzu S, Suciu H. Pulmonary Valve Fibroelastoma, Still a Very Rare Cardiac Tumor: Case Report

and Literature Review. Diagnostics. 2025; 15(3):283. <https://doi.org/10.3390/diagnostics15030283> - autor corespondent, IF 3.3 - Q1.

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8. Banceu, C.M., **Harpa, M.**, Brinzaniuc, K., Neagu, N., Szabo, D.A., Banceu, D.M., Al Hussein, H., Cristutiu, D., Puscas, A., Stan, A., Oprean, M., Popentiu, A., Halic, M.N. & Suci, H. (2024). Weekend Effect and Mortality Outcomes in Aortic Dissection: A Prospective Analysis. The Journal of Critical Care Medicine, 10(2), 2024. 158-167. <https://doi.org/10.2478/jccm-2024-0014> - autor corespondent, IF 1.7 - Q3.

9. Alexandra Puscas, **Marius M. Harpa**, Klara Brinzaniuc, Hussam Al-Hussein, Hamida Al-Hussein, Cosmin Banceu, Carmen Opris, Claudiu Ghiragosian, Sanziana Flamind, Robert Balan, Septimiu Voidazan, Horatiu Suci. Evaluation of Perioperative Beta-Blockers and Factors Associated with Postoperative Atrial Fibrillation in Cardiac Surgery: A Single Center Experience. Rev. Cardiovasc.

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11. Stoica AI, **Harpa MM**, Banceu CM, Ghiragosian C, Opris CE, Al-Hussein H, Al-Hussein H, Flamind Oltean S, Mezei T, Mares RG, et al. A Rare Case of Undifferentiated Pleomorphic Cardiac Sarcoma with Inflammatory Pattern. *Medicina*. 2022; 58(8):1009. <https://doi.org/10.3390/medicina58081009> - autor corespondent, IF 2.6 - Q3.

12. Ghiragosian C, **Harpa M**, Stoica A, Sânziana FO, Bălău R, Hussein HA, Elena G-RS, Neagoe RM, Suci H. Theoretical and Practical Aspects in the Use of Bretschneider Cardioplegia. *Journal of Cardiovascular Development and Disease*. 2022; 9(6):178. <https://doi.org/10.3390/jcdd9060178> - autor corespondent, IF 2.4 - Q3.

13. Stoica, A.I., **Harpa, M.**, Banceu, C.M., Kovacs, J. & Suci, H. (2022). Severe Coronary Artery Vasospasm after Mitral Valve Replacement in a Diabetic Patient with Previous Stent Implantation: A Case Report. *The Journal of Critical Care Medicine*, 8(2), 2022. 131-135. <https://doi.org/10.2478/jccm-2022-0005> - autor corespondent, IF 1.1 - Q4.

14. Al Hussein H, Al Hussein H, Sircuta C, Cotoi OS, Movileanu I, Nistor D, Cordos B, Deac R, Suci H, Brinzaniuc K, Simionescu DT, **Harpa MM**. Challenges in Perioperative Animal Care for Orthotopic Implantation of Tissue-Engineered Pulmonary Valves in the Ovine Model. *Tissue Eng Regen Med*. 2020 Dec;17(6):847-862. doi: 10.1007/s13770-020-00285-1. Epub 2020 Aug 29. IF 4.1 - Q2.

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16. H.A. Hussein, **M. Harpa**, I. Movileanu, H.A. Hussein, H. Suci, K. Branzaniuc, D. Simionescu, "Minimally Invasive Surgical Protocol for Adipose Derived Stem Cells Collection and Isolation - Ovine Model". *Revista de Chimie*, vol. 70, no. 5, pp. 1826-1828, 2019. [online]. <https://doi.org/10.37358/RC.19.5.7224> - autor corespondent, IF 1.7 - Q3.

Coautor:

1. Suciu H., **Harpa Marius Mihai**, Călburean P.A., Al-Hussein H., Scurtu A.C., Stan A., Alexandru D., Anitei D.E., Hadadi L. Ten year outcomes in three vessel disease treated by CABG versus PCI in an Eastern European registry. *Scientific Reports*, 2025, vol. 15, art. nr. 43284. DOI: 10.1038/s41598-025-29361-z, IF 3.9 - Q1.
2. Ujlaki-Nagi, A.-A., Szanto, L.-A., Florea, E., Lazar, N.-A., Șincaru, S.-V., Mureșan, A. V., Russu, E., Bartus, R., Arbănași, E.-M., Hosu, I., **Harpa, M. M.**, Ciucanu, C. C., & Arbănași, E.-M. (2025). Reconstruction of a Thrombosed Aneurysmal Radio-Cephalic Arteriovenous Fistula with a Tubular Bovine Pericardial Conduit. *Kidney and Dialysis*, 5(3), 46. <https://doi.org/10.3390/kidneydial5030046>, IF 2.2 - Q2.
3. Stan AA, Elkahout A, **Harpa MM**, Pop M, Veres M, Stan AD, Călburean PA, Aniței DE, Scurtu AC, Brînzaniuc K, Suci H. CT-Derived Aortic Valve Anatomy and Acute Complications After Self-Expanding and Balloon-Expandable TAVI. *Medicina (Kaunas)*. 2025 Sep 11;61(9):1650. doi: 10.3390/medicina61091650, IF 2.4 - Q1.
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6. Coșarcă, M. C., Șincaru, S. V., Horváth, E., Sala, D. T., Lazăr, N. A., Szanto, L. A., **Harpa, M. M.**, Carașcă, C., Ráduly, G., Bândeș, P., & Mureșan, V. A. (2025). The Role of Admission Glucose and Inflammatory Markers in Histopathological Features of Atherosclerotic Plaques in Carotid and Femoro-Popliteal Arteries. *Medicina (Kaunas, Lithuania)*, 61(5), 879. <https://doi.org/10.3390/medicina61050879>, IF 2.4 - Q1.
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(2025). Early Outcomes of Right Ventricular Pressure and Volume Overload in an Ovine Model. *Biology*, 14(2), 170. <https://doi.org/10.3390/biology14020170> IF 3.5 - Q1.

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10. Baba, D.-F., Suci, H., Avram, C., **Harpa, M. M.**, Stoian, M., Moldovan, D.-A., Huma, L., Rusu, G., Pal, T., Danilescu, A., Stoian, A., & Sin, A.-I. (2024). The Impact of Heart Failure Chronic Treatment Prior to Cardiac Transplantation on Early Outcomes. *Medicina*, 60(11), 1801. <https://doi.org/10.3390/medicina60111801>, IF 2.4 - Q1.

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12. Călburean, P.-A., Lupu, S., Huțanu, A., Oprica, M., Opreș, D. R., Stan, A., Scurtu, A.-C., Aniței, D., **Harpa, M.**, Brînzaniuc, K., Suci, H., & Hadadi, L. (2024). Natriuretic peptides and soluble ST2 improves echocardiographic diagnosis of elevated left ventricular filling pressures. *Scientific Reports*, 14, Article 22171. <https://doi.org/10.1038/s41598-024-73349-0>, IF 3.9 - Q1.

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14. Opris, C. E., Suci, H., Jung, I., Flamand, S., **Harpa, M. M.**, Opris, C. I., Popa, C., Kovacs, Z., & Gurzu, S. (2024). Significance of Fibrillin-1, Filamin A, MMP2 and SOX9 in Mitral Valve Pathology. *International Journal of Molecular Sciences*, 25(17), 9410. <https://doi.org/10.3390/ijms25179410>, IF 4.9 - Q1.

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