

LISTA DE LUCRĂRI
CĂLBUREAN PAUL-ADRIAN

Teza de doctorat

Titlul tezei de doctorat "Evaluarea corelației între predictorii electrocardiografici avansați ai morții subite cardiace și complexitatea leziunilor coronariene", anul susținerii 2022, coordonator prof. dr. Klara Brînzaniuc, Universitatea de Medicină, Farmacie, Științe și Tehnologie "George Emil Palade" din Târgu Mureș, calificativ „excelent” – „summa cum laude”.

Cărți publicate

1. **Călburean Paul-Adrian.** *Corelații între riscul de moarte subită cardiacă și complexitatea bolii coronariene.* Editura University Press, Tîrgu-Mureș, 2023, 198 pg, ISBN 978-973-169-774-1, cod CNCIS 210.

Articole publicate in extenso

Articole publicate în reviste cotate ISI, cu factor de impact

1. **Calburean PA,** Pannone L, Sorgente A, Gauthey A, Monaco C, Strazdas A, Almorad A, Bisignani A, Bala G, Ramak R, Overeinder I, Stroker E, Pappaert G, Van Dooren S, de Ravel T, La Meir M, Brugada P, Sieira J, Chierchia GB, de Asmundis C. *Heart rate variability and microvolt T wave alternans changes during ajmaline test may predict prognosis in Brugada syndrome.* Clin Auton Res, 2023, 33(1):51–62, doi:10.1007/s10286-023-00922-4, ISSN 0959-9851, IF (2023): 5.625 (99.375 pct.).
2. **Calburean PA,** Grebenisan P, Nistor IA, Pal K, Vacariu V, Drincal RK, Tepes O, Barlea I, Sus I, Somkereki C, Simon V, Demjen Z, Adorjan I, Pinitilie I, Dolcos AT, Oltean T, Marusteri M, Druica E, Hadadi L. *Prediction of 3-year all-cause and cardiovascular cause mortality in a prospective percutaneous coronary intervention registry: Machine learning model outperforms conventional clinical risk scores.* Atherosclerosis, 2022, 350:33–40, doi:10.1016/j.atherosclerosis.2022.03.028, ISSN 0021-9150, IF (2022): 6.851 (117.765 pct.).
3. **Calburean PA,** Hadadi L, Rudzik R, Dobreanu D. *Coronary fibromuscular dysplasia with three-vessel involvement: a rare cause of ischaemic dilated cardiomyopathy in a very young male.* Cardiol Young 2022, 32 (12):2009–2012, doi:10.1017/S1047951122000865, ISSN 1047-9511, IF (2022): 1.023 (30.345 pct.).
4. Pannone L, Monaco C, Sorgente A, Vergara P, **Calburean PA,** Gauthey A, Bisignani A, Kazawa S, Strazdas A, Mojica J, Lipartiti F, Al Housari M, Miraglia V, Rizzi S, Sofianos D, Cecchini F, Osorio TG, Paparella G, Ramak R, Overeinder I, Bala G, Almorad A, Stroker E, Pappaert G, Sieira J, Brugada P, La Meir M, Chierchia GB, de Asmundis C. *High-density epicardial mapping in Brugada syndrome: Depolarization and repolarization abnormalities.* Heart Rhythm, 2022, 19(3):397–404, doi:10.1016/j.hrthm.2021.09.032, ISSN 1547-5271, IF (2022): 6.779 (4.167 pct.).
5. Pannone L, Monaco C, Sorgente A, Vergara P, **Calburean PA,** Gauthey A, Bisignani A, Kazawa S, Strazdas A, Mojica J, Lipartiti F, Al Housari M, Miraglia V, Rizzi S, Sofianos D, Cecchini F, Osorio TG, Paparella G, Ramak R, Overeinder I, Bala G, Almorad A, Stroker E, Pappaert G, Sieira J, Brugada P, La Meir M, Chierchia GB, de Asmundis C. *Ajmaline-Induced Abnormalities in Brugada Syndrome:*

- Evaluation With ECG Imaging.* J Am Heart Assoc, 2022, 11(2):e024001, doi:10.1161/JAHA.121.024001, EISSN 2047-9980, IF (2022): 6.107 (3.807 pct.).
6. Pannone L, Monaco C, Sorgente A, Vergara P, Gauthey A, **Calburean PA**, Bisignani A, Paparella G, Ramak R, Overeinder I, Bala G, Almorad A, Stroker E, Pappaert G, Sieira J, Brugada P, Van Dooren S, de Ravel T, La Meir M, Chierchia GB, de Asmundis C. *SCN5A mutation in Brugada syndrome is associated with substrate severity detected by electrocardiographic imaging and high-density electroanatomic mapping.* Heart Rhythm, 2022, 19(6):945–51, doi:10.1016/j.hrthm.2022.01.034, ISSN 1547-5271, IF (2022): 6.779 (5.834 pct.).
 7. Monaco C, Galli A, Pannone L, Bisignani A, Miraglia V, Gauthey A, Al Housari M, Mojica J, Del Monte A, Lipartiti F, Rizzi S, Mouram S, **Calburean PA**, Ramak R, Pappaert G, Eltsov I, Bala G, Sorgente A, Overeinder I, Almorad A, Stroker E, Sieira J, Brugada P, Chierchia GB, La Meir M, de Asmundis C. *Hybrid-Approach Ablation in Drug-Refractory Arrhythmogenic Right Ventricular Cardiomyopathy.* Am J Cardiol, 2022, 181:45–54, doi:10.1016/j.amjcard.2022.07.011, ISSN 0002-9149, IF (2022): 3.133 (2.48 pct.).
 8. **Calburean PA**, Osorio TG, Sieira J, Stroker E, Maj R, Terasawa M, Rizzo A, Borio G, Scala O, Galli A, Brugada P, Chierchia GB, De Asmundis C. *High parasympathetic activity as reflected by deceleration capacity predicts atrial fibrillation recurrence after repeated catheter ablation procedure.* J Interv Card Electrophysiol, 2021, 60(1):21–9, doi:10.1007/s10840-019-00687-9, ISSN 1383-875X, IF (2021): 1.759 (41.385 pct.).
 9. **Calburean PA**, Osorio TG, Sorgente A, Almorad A, Pannone L, Monaco C, Miraglia V, Al Housari M, Mojica J, Bala G, Bisignani A, Lipartiti F, Strazdas A, Ramak R, Overeinder I, La Meir M, Stroker E, Brugada P, Boveda S, Paparella G, Iacopino S, Sieira J, Chierchia GB, de Asmundis C. *High vagal tone predicts pulmonary vein reconnection after cryoballoon ablation for paroxysmal atrial fibrillation.* Pacing Clin Electrophysiol, 2021, 44(12):2075–83, doi:10.1111/pace.14408, ISSN 0147-8389, IF (2021): 1.912 (43.68 pct.).
 10. Overeinder I, Osorio TG, **Calburean PA**, Bisignani A, Bala G, Sieira J, Stroker E, Al Houssari M, Mojica J, Boveda S, Paparella G, Brugada P, de Asmundis C, Chierchia GB. *Comparison between superior vena cava ablation in addition to pulmonary vein isolation and standard pulmonary vein isolation in patients with paroxysmal atrial fibrillation with the cryoballoon technique.* J Interv Card Electrophysiol, 2021, 62(3):579–86, doi:10.1007/s10840-020-00932-6, ISSN 1383-875X, IF (2021): 1.759 (3.183 pct.).
 11. Iacopino S, Osorio TG, Filannino P, Artale P, Sieira J, Stroker E, Bala G, Overeinder I, Hacıoglu E, **Calburean PA**, Paparella G, Brugada P, de Asmundis C, Chierchia GB. *Safety and feasibility of electrical isolation of the superior vena cava in addition to pulmonary vein ablation for paroxysmal atrial fibrillation using the cryoballoon: lessons from a prospective study.* J Interv Card Electrophysiol, 2021, 60(2):255–60, doi:10.1007/s10840-020-00740-y, ISSN 1383-875X, IF (2021): 1.759 (3.183 pct.).
 12. Stroe VI, **Calburean PA**, Lates GA, Al-Akel CF, Ghiragosian C, Pop A, Suciuh, Horvath E. *Cardiac mesenchymal hamartoma associated with transposition of the great arteries in a neonate.* Rev Romana Med Lab, 2019, 27 (1):85–88, doi:10.2478/rrlm-2019-0005, ISSN 1841-6624, IF (2019): 0.945 (29.175 pct.), autor corespondent.

Articole publicate în reviste cotate ISI, fără factor de impact

1. Bisignani A, Pannone L, Bala G, Kazawa S, **Calburean P**, Overeinder I, Monaco C, Lipartiti F, Miraglia V, Rizzi S, Al Housari M, Mojica J, Strazdas A, Osorio TG, Sieira J, Iacopino S, Almorad A, Stroker E, Sorgente A, Brugada P, de Asmundis C, Chierchia GB. *Repeat procedures for recurrent persistent*

atrial fibrillation: A propensity-matched score comparison between left atrial linear ablation with radiofrequency and posterior wall isolation with the cryoballoon. J Arrhythmia, 2021, 37(5):1287–94, doi:10.1002/joa3.12614, ISSN 1880-4276.

Articole publicate în reviste indexate BDI

1. Osorio TG, Chierchia GB, Maj R, Coutino HE, Stroker E, Sieira J, Salghetti F, Terasawa M, **Călburean PA**, Rizzo A. *Standardized Quantification of Vagal Denervation by Extracardiac Vagal Stimulation During Second Generation Cryoballoon Ablation: A Vein per Vein Analysis.* J Atr Fibrillation, 2019, 12(3):1-6, ISSN 1941-6911.
2. Hadadi, László, **Călburean PA**, et al. *Mortality predictors after percutaneous coronary intervention- a prospective single-center registry study.* Romanian Journal of Cardiology, 2020, 30(3):413-422, ISSN 1220-658X.
3. Stroe VI, **Călburean Pa**, et al. *Delayed Sternum Closure After Arterial Switch Procedure.* Acta Medica Transilvanica, 2018, 23(4):38-40, ISSN 2285-7079.
4. Goia C, **Călburean PA**, et al. *Fighting For Life-Complicated Outcome After Arterial Switch Operation.* Acta Medica Transilvanica, 2018, 23(4):41-43, ISSN 2285-7079, autor corespondent.

Articole publicate în rezumat (de la ultima promovare)

1. **Călburean PA**, Grebenişan P, Vacariu V, Drincal R-K, Țepes O, Grancea I, Şuş I, Somkerekci C, Simon V, Demjén Z, Adorján I, Pinitilie I, Dolcoş A T, Oltean T, Hadadi L. *Modelul de învățare automată depășește scorurile clinice convenționale în predicția mortalității la 5 ani de orice cauză și de cauză cardiovasculară într-un registru prospectiv de intervenții coronariene percutane.* Romanian Journal of Cardiology, 2022, 31(Suppl. S1), The 61th National Congress of Cardiology, September 14-16 2022, Sinaia, ISSN 2734 – 6439.
2. **Călburean PA**, Grebenişan P, Vacariu V, Drincal R-K, Țepes O, Grancea I, Şuş I, Somkerekci C, Simon V, Demjén Z, Adorján I, Pinitilie I, Dolcoş A T, Oltean T, Hadadi L, Mărușteri M. *Prediction of 3-Year All-Cause Death in a Percutaneous Coronary Intervention Registry Using Machine Learning: A Comparison Between Random Forest and CatBoost Algorithms.* Appl Med Inform, 2021, 43 (Suppl. S1):21–21, RoMedINF 2021 - Digital Technology and Healthcare, September 16-17 2021, Cluj-Napoca, ISSN 1224-5593.
3. **Calburean P**, Pannone L, Osorio T. G, Almorad A, Bala G, Sorgente A, Chierchia GB, De Asmundis C. *High Parasympathetic Tone Predicts Pulmonary Vein Reconnection after Cryoballoon Ablation for Paroxysmal Atrial Fibrillation.* Acta Cardiol, 2021, 76(Suppl 2):9, Belgian Heart Rhythm Meeting 2021: Book of Abstracts, 21-22 October 2021, Brussels, ISSN: 0001-5385 (indexat ISI).
4. **Călburean PA**, Florea M, Hadadi L. *Infarct miocardic acut cu supradenivelare de segment ST, după hemostază endoscopică și transfuzie sanguină pentru hemoragie masivă la un pacient cu cancer gastric.* Romanian Journal of Cardiology, 2020, 30(Suppl. S1):58-59, The 59th National Congress of Cardiology, September 16-19 2020, Sinaia, ISSN 2734 – 6439.
5. **Călburean PA**, Osorio TG, Chierchia GB, de Asmundis C. *Tonusul parasimpatic crescut se asociază cu reconectarea venelor pulmonare documentată la ablații transcateter repetate pentru recurența fibrilației atriale.* Romanian Journal of Cardiology, 2020, 30(Suppl. S1):87-89, The 59th National Congress of Cardiology, September 16-19 2020, Sinaia, ISSN 2734 – 6439.