

## Lista de publicatii - Opincariu Diana

### Articole in extenso publicate în reviste cotate ISI Thomson Reuters cu factor de impact

1. **Opincariu D**, Benedek T, Chițu M, Raț N, Benedek I. From CT to artificial intelligence for complex assessment of plaque-associated risk. *Int J Cardiovasc Imaging*. 2020 Jul 2. doi: 10.1007/s10554-020-01926-1. Epub ahead of print. PMID: 32617720. **FI: 1.969**
2. Emese Rapolti, **Diana Opincariu**, Imre Benedek, Istvan Kovacs, Mihaela Ratiu, Nora Rat, Theodora Benedek. Computer-Aided Biomedical Imaging of Periliac Adipose Tissue Identifies Perivascular Fat as a Marker of Disease Complexity in Patients with Lower Limb Ischemia. *Appl. Sci*. 2020;10:4456; doi:10.3390/app10134456. **FI: 2.28**
3. Nora Rat, Iolanda Muntean\*, **Diana Opincariu**, Liliana Gozar, Rodica Toganel, Monica Chitu. Cardiovascular Imaging for Guiding Interventional Therapy in Structural Heart Diseases. *Current Medical Imaging Reviews*, 2018 E-pub Ahead of Print. DOI:10.2174/1573405614666180612081736 <http://www.eurekaselect.com/163008/article>. **FI: 0.299**
4. Capilna M, **Opincariu D**, Lazar E. Response to Expression of Programmed Cell Death-1 and Its Ligand B7 Homolog 1 in Peripheral Blood Lymphocytes From Patients With Peripartum Cardiomyopathy. *Clin Cardiol*. 2017 Jul;40(7):513-514. doi: 10.1002/clc.22704. **FI: 1.420**
5. Molnar C, **Opincariu D**, Benedek T, Toma M, Nicolescu C. Association between varicose veins anatomical pattern and procedural complications following endovascular laser photothermolysis for chronic venous insufficiency. *Braz J Med Biol Res*. 2019;52(4): e8330. **FI 1.85**
6. Benedek A, Cernica D, Mester A, **Opincariu D**, Hodas R, Rodean I, Keri J, Benedek T. Modern Concepts in Regenerative Therapy for Ischemic Stroke: From Stem Cells for Promoting Angiogenesis to 3D-Bioprinted Scaffolds Customized via Carotid Shear Stress Analysis. *Int J Mol Sci*. 2019;20(10):2574. **FI: 4.18**
7. Morariu M, Hodas R, Benedek T, Benedek I, **Opincariu D**, Mester A, Chitu M, Kovacs I, Rezus C, Pasaroiu D, Mitra N, Szilágyi SM, Georgescu D, Rezus E. Impact of inflammation-mediated response on pan-coronary plaque vulnerability, myocardial viability and ventricular remodeling in the postinfarction period - the VIABILITY study. *Medicine (Baltimore)*. 2019;98(17): e15194. **FI: 1.87**
8. Susca MG, Hodas R, Benedek T, Benedek I, Chitu M, **Opincariu D**, Chiotoriu A, Rezus C. Impact of cardiac rehabilitation programs on left ventricular remodeling after acute myocardial infarction: Study Protocol Clinical Trial (SPIRIT Compliant). *Medicine (Baltimore)*. 2020;99(16):e19759. doi:10.1097/MD.00000000000019759. **FI: 1.87**

## Articole in extenso publicate în reviste cotate ISI fara factor de impact si BDI

1. Licu RA, Blîndu E, **Opincariu D**, Benedek T. Vulnerable Plaques Producing an Acute Coronary Syndrome Exhibit a Different CT Phenotype than Those That Remain Silent. *Journal of Cardiovascular Emergencies* 2020;6:26-34. DOI: 10.2478/jce-2020-0008
2. **Diana Opincariu**. Medical Research During the COVID-19 Pandemic – Two Faces of the Same Coin. *Journal of Interdisciplinary Medicine*. 2020;5(1)7-9. DOI: 10.2478/jim-2020-0005
3. Diana **Opincariu**, Roxana Hodas. Mobilization of Patients Suffering from Acute Myocardial Infarction – When Is It Too Early? *Journal of Cardiovascular Emergencies*. 2019;5(3):99-103.
4. Dan Păsăroi, Zsolt Parajko, Noemi Mitra, Diana **Opincariu**. Electrical Storm Due to Active Myocardial Ischemia in the Right Coronary Artery Territory – Case Report. *Journal of Cardiovascular Emergencies*. 2019; 5(1):72-77.
5. Ioana Cîrneală, Diana **Opincariu**, István Kovács, Monica Chițu, Imre Benedek. Predictors of Left Ventricular Remodeling Post Acute Myocardial Infarction. Protocol for a Clinical Study. *Journal of Interdisciplinary Medicine*. 2019;4(3):120-123.
6. Diana **Opincariu**. Triple Antithrombotic Therapy – Is It History or Should We Still Do It? *Journal of Interdisciplinary Medicine*. 2019;4(2):07-08.
7. Evelin Szabó, Diana **Opincariu**, Zsolt Parajkó, Noémi Mitra, Theodora Benedek, Imre Benedek. Association between the Incidence of Sudden Cardiac Arrest and the Location of Culprit Lesions in STEMI Patients – Design of a Prospective Clinical Study. *Journal of Interdisciplinary Medicine*. 2019;4(2):72-76.
8. Dan Păsăroi, Zsolt Parajkó, Ionuț Ferent, Diana **Opincariu**, Annabell Benedek. Coronary Shear Stress after Implantation of Bioresorbable Scaffolds – a Modern Interdisciplinary Concept at the Border between Interventional Cardiology and Cardiac Imaging. *Journal of Interdisciplinary Medicine*. 2019;4(1):11-18.
9. Evelin Szabó, Zsolt Parajkó, Diana **Opincariu**, Monica Chițu, Nóra Raț, Imre Benedek. A Genomic Approach to Characterize the Vulnerable Patient – a Clinical Update. *Journal of Interdisciplinary Medicine*. 2019;4(3):141-144.
10. Zsolt Parajkó, András Mester, István Kovács, Lehel Bördi, Ioana Cîrneală, Diana **Opincariu**, Nóra Raț, Monica Chițu, Imre Benedek. Noninvasive Functional Characterization of Coronary Plaques by Coronary Computed Tomography – Beyond the Morphology of Vulnerable Plaques. *Journal of Interdisciplinary Medicine*. 2019;4(3):132-135.
11. **Diana Opincariu**. Chronic Coronary Syndromes – the ESC Redefines the Concept of Stable Coronary Artery Disease. *Journal of Interdisciplinary Medicine*. 2019;4(4):177-180.
12. **Opincariu Diana**, Chitu Iulia Monica. Atrial Fibrillation and Acute Myocardial Infarction - an Inflammation-mediated Association. *Journal of Cardiovascular Emergencies*. 2018; 4(3): 123-132.

13. Victoria Rus, Diana **Opincariu**, Roxana Hodas, Tiberiu Nyulas, Marian Hintea, Theodora Benedek. Inter-relation between Altered Nutritional Status and Clinical Outcomes in Patients with Acute Myocardial Infarction Admitted in a Tertiary Intensive Cardiac Care Unit. *Journal of Cardiovascular Emergencies*. 2018; 4(1):32-40.
14. Nóra Raţ, Diana **Opincariu**, Emese Márton, Ramona Zavate, Mirela Pintican, Imre Benedek, Theodora Benedek. The Effect of Periplaque Fat on Coronary Plaque Vulnerability in Patients with Stable Coronary Artery Disease – a 128-multislice CT-based Study. *Journal of Interdisciplinary Medicine* 2018;3(2):69-76. DOI: 10.2478/jim-2018-0019
15. Nóra Raţ, Diana **Opincariu**, Ciprian Blendea, Roxana Cucuruzac, Pirvu Mirela, Monica Chitu, Imre Benedek, Theodora Benedek. The Effect of Epicardial Fat on the Right and Left Ventricular Function in Subjects with Various Etiological Types of Pulmonary Arterial Hypertension. *Journal of Interdisciplinary Medicine* 2018;3(2):84-89. DOI: 10.2478/jim-2018-0020
16. Diana **Opincariu**, Theodora Benedek, Manuela Chibelea. Study Design – the First Step for a Successful Research. *Journal of Interdisciplinary Medicine* 2018;3(1):7-9 DOI: 10.2478/jim-2018-0011.
17. Benedek T, **Opincariu** D, Rat N, Hodas R, Mester A, Benedek I. The Assessment of Epicardial Adipose Tissue in Acute Coronary Syndrome Patients. A Systematic Review. *Journal of Cardiovascular Emergencies*. 2017;3:18-29. DOI: 10.1515/jce-2017-0003.
18. Morariu M, Bordi L, **Opincariu** D, et al. New Developments in Magnetic Resonance Imaging of Myocardial Diseases – Technical Aspects and Clinical Applications. *Journal of Interdisciplinary Medicine* 2017;2(1):17-21. DOI: 10.1515/jim-2017-0022
19. **Opincariu** D, Rat N. Interdisciplinary Approach at the Border Between Hematology and Cardiology. *Journal of Interdisciplinary Medicine*. 2017;2:7-8. DOI: 10.1515/jim-2017-0035.DOI: 10.1515/jim-2017-0050
20. Diana **Opincariu**, Daniel Cernica, Marius Orzan, Monica Chiţu, Zsuzsanna Suci, Nora Rat, Theodora Benedek, Imre Benedek. High-Risk Coronary Plaques Complicated with Acute Coronary Syndrome in Young Patients. *Journal of Interdisciplinary Medicine* 2017;2(2):152-156.
21. András Mester, Balázs Oltean-Péter, Ioana Rodean, Diana **Opincariu**, Alexandra Stănescu, Erzsébet Lázár, István Benedek Jr, Imre Benedek, István Benedek. Magnetic Resonance Imaging of Myocardial Function Following Intracoronary and Intramyocardial Stem Cell Injection. *Journal of Interdisciplinary Medicine*. 2017;2(2):112-116. DOI: 10.1515/jim-2017-0053
22. Diana **Opincariu**, Andras Mester, Mihaela Ratiu, Nora Rat, Lehel Bordi, Roxana Hodas, Mirabela Morariu, Beata Jako, Camelia Tanasuc, Zsuzsanna Suci. Factors Associated with One-year Mortality in Patients with Acute Pulmonary Embolism. *Journal of Cardiovascular Emergencies*. 2016;2(2):63-70.

23. **Opincariu D**, Chițu M, Rat N, Benedek I. Integrated ST segment elevation scores and in-hospital mortality in STEMI patients undergoing primary PCI. *Journal of Cardiovascular Emergencies*. 2016;2:114-121. DOI: 10.1515/jce-2016-0018
24. Diana **Opincariu**, Andras Mester, Mihaela Dobra, Nora Rat, Roxana Hodas, Mirabela Morariu, Beata Jako, Zsuzsanna Suci. Prognostic Value of Epicardial Fat Thickness as a Biomarker of Increased Inflammatory Status in Patients with Type 2 Diabetes Mellitus and Acute Myocardial Infarction. *Journal of Cardiovascular Emergencies*. 2016;2(1):11-18.
25. Mirabela Morariu, Diana **Opincariu**, Alexandra Stanescu. Perfusion Computed Tomography for the Assessment of Myocardial Viability – a Case Series. *Journal of Interdisciplinary Medicine*. 2016;1(1):59-74.
26. Beata Jako, Laura Jani, Diana **Opincariu**, Andras Mester, Istvan Kovacs, Monica Chitu. A Massive Aortic Intramural Haematoma – an Aortic Emergency. *Journal of Cardiovascular Emergencies*. 2016;2(1):32-36.
27. Diana **Opincariu**, Alexandra Stanescu, Alina Corduneanu, Laura Jani, Andras Mester, Balazs Oltean Peter, Monica Chitu, Imre Benedek - Persistent Left Superior Vena Cava Associated with Hemiazygos Vein Draining in It and Absence of Left Brachiocephalic Vein, in a Patient with Congenital Heart Defect. – *Journal of interdisciplinary medicine*. 2016;1(2):201-205. DOI: 10.1515/jim-2016-0041
28. Pop S, Hodas R, Benedek E, **Opincariu D**, Rat N, Jani L, Stanescu A, Chitu M, Benedek I, Benedek T. Predictors of Left Ventricular Remodeling after Revascularized Acute Myocardial Infarction. *J Interdisc Med*. 2016;1:62-70.
29. Mester A, Chițu M, Rat N, **Opincariu D** et al. CT Determination of Fractional Flow Reserve in Coronary Lesions. *Journal of Interdisciplinary Medicine*. 2016;1:237-241.
30. Hodas R, Pop S, **Opincariu D**, Rat N, Jani L, Stanescu A, Benedek E, Benedek I, Benedek T, Chitu M. Correlations Between Severity of Coronary Lesions and Epicardial Fat Volume in Patients with Coronary Artery Disease – a Multislice CT-based Study. *J Interdisc Med*. 2016;1:71-78.
31. Mihaela Rațiu, Nora Rat, Sebastian Condrea, Alexandra Stănescu, Diana **Opincariu**, András Mester, Laura Jani, Imre Benedek, Theodora Benedek. Noninvasive Assessment of Coronary Artery Disease: Fractional Flow Reserved Derived from Coronary Computed Tomography Angiography (FFRCT). *J Interdisc Med*. 2016;1:137-141.
32. Monica Chițu, Nora Rat, Diana **Opincariu**, Alexandra Stănescu, András Mester, Theodora Benedek, Imre Benedek. Invasive FFR — Current Applications and New Developments. *J Interdisc Med*. 2016;1:231-236.
33. Alexandra Stănescu, Diana **Opincariu**, Nora Rat, Mirabela Morariu, Sebastian Condrea, Imre Benedek, Theodora Benedek. Hybrid Imaging in the Assessment of Myocardial Ischemia and Viability. *J Interdisc Med*. 2016;1:242-246.

34. Tiberiu Nyulas, Monica Chițu, András Mester, Laura Jáni, Sebastian Condrea, Diana **Opincariu**, István Kovács, Imre Benedek, Theodora Benedek. Computed Tomography Biomarkers of Vulnerable Coronary Plaques. J Interdisc Med. 2016;1:263-266
35. Theodora Benedek, András Mester, Annabell Benedek, Nora Rat, Diana **Opincariu**, Monica Chițu. Assessment of Coronary Plaque Vulnerability in Acute Coronary Syndromes using Optical Coherence Tomography and Intravascular Ultrasound. A Systematic Review. J Cardiovasc Emerg. 2016;2:173-184.

**Lista lucrarilor publicate în rezumat in volume unor manifestări științifice internaționale (cu ISSN sau ISBN)**

1. D **Opincariu**, N Rat, A Mester, R Hodas, D Cernica, D Pasaroiu, M Ratiu, M Chitu, I Kovacs, I Benedek, T Benedek. Site specific phenotype of atherosclerotic lesions according to plaque location within the coronary tree, a CCTA based study. European Heart Journal - Cardiovascular Imaging EuroEcho Imaging 2019. Viena, Austria 21, Issu suppl. 1 2020 jez319.209
2. R Cernica, I Ferent, A Mester, D **Opincariu**, R Hodas, I Rodean, M Chitu, T Benedek, I Benedek. Feasibility of CCTA in assessment of luminal changes and coronary shear stress evolution after implantation of bioresorbable vascular scaffolds. Viena, Austria 21, Issu suppl. 1 2020 jez319.1168. European Heart Journal - Cardiovascular Imaging EuroEcho Imaging 2019.
3. Mester A, Benedek T, Ratiu M, Morariu M, Benedek A, Hodas R, **Opincariu** D, Rat N, Chitu M, Benedek I. Persistently increased inflammatory status in the first days post MI is associated with larger myocardial scar, higher transmural extent and deterioration of ventricular function at 1 month. European Heart Journal – Cardiovascular Imaging EuroCMR 2019 Venetia, Italia 20, issue suppl. 2. 2019;jez123.004
4. Marian Dorin; **Opincariu** Diana; Benedek Theodora. Boerhaave syndrome presenting as an acute coronary event in a middle-aged woman. CHEST Journal. CHEST Annual Meeting 2019 New Orleans, SUA 156, Issue 4, suppl. 2019:A241.
5. N. Rat, I. Benedek, M. Ratiu, M. Chitu, M. Morariu, R. Hodas, SZ. Korodi, D. **Opincariu**, T. Benedek. Pericoronary epicardial fat surrounding vulnerable coronary plaques is associated with increased plaque burden and remodeling, a CT-based substudy of the PlaqueImage project. EuroEcho-Imaging 2018, Abstract number: 91148. Milano Italy, December 2018.

6. **D. Opincariu**, T. Benedek, N. Rat, M. Ratiu, I. Ferent, M. Morariu, A. Mester, K. Banga, I. Benedek. Epicardial fat volume is associated with vulnerability features of culprit coronary plaques in patients with unstable angina, a computed tomographic based study. EuroEcho-Imaging 2018, Abstract number: 91150, Milano Italy December 2018.
7. M Ratiu, A Benedek, N Rat, E Marton, **D Opincariu**, T Benedek, I Benedek. Correlations between plaque eccentricity, severity of luminal narrowing an characteristics of plaque vulnerability - A CT based substudy of the PlaquelImage project. EuroEcho-Imaging 2018, Abstract number: 91342. Milano Italy, December 2018.
8. Benedek T, **Opincariu D**, Chitu M, Rat N, Morariu M, Benedek E, Benedek I. *Integrated score of ST segment resolution following primary PCI - a new predictor of 1 year mortality in STEMI*. European Heart Journal. 2016;37(suppl 1):1342-1342. ISSN: 0195-668X. **Factor de impact 20.21**
9. **D.E. Opincariu**, O.C Moldovan, D. Balan, I. Benedek, T. Benedek – *Correlation between post-PTCA resolution of ST segment and mortality in STEMI patients* - International Scientific Congress for Students, Young Physicians and Pharmacists Targu Mures, mai 2014; Acta Medica Marisiensis, Suppl. 3, Vol. 60; ISSN: 2068 – 3324

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