



Curriculum vitae Europass

Personal informations

First Name / Last Name

Roxana Ioana Hodas

Work experience

Period

Mar.2019–Feb.2022

Occupation or position held

Assistant lecturer

Main activities and responsibilities

Teaching and research

Employer's name and address

University of Medicine Pharmacy Sciences and

Business or sector

Technologies Tîrgu-Mureş;

Teaching and research

Period

2017 - present

Occupation or position held

Physician in cardiology Clinic of Cardiology

Main activities and responsibilities

Clinical activity

Employer's name and address

County Clinical Emergency Hospital Mures, Clinic of Cardiology

Business or sector

Health

Education and training

Period

2010-2017

Qualification / diploma awarded

Doctor

Principal study subjects / Occupational skills

General Medicine

Education organisation's name and locality

University of Medicine and Pharmacy Targu-Mures

Level in national or international classification

High-level education

Period

2017 – present

Principal study subjects / Occupational skills

PhD student

Medicine - Cardiology

Education organisation's name and locality

University of Medicine Pharmacy Sciences and

Level in national or international classification

Technology Targu-Mures

High-level education

Communication skills

Communication, multiculturality, adaptability

Computer skills

Very good (study design, research databases)

Driving license

B category

ANNEXES

SCIENTIFIC PUBLICATIONS LIST OF RESEARCH GRANTS

SCIENTIFIC PUBLICATIONS

Dr. Hodas Roxana

ARTICOLE BDI

1. Buicu A, Licu RA, Blîndu E, Opincariu O, **Hodas R**, Polexa AS, Benedek T. Inflammatory Biomarkers and Endothelial Alteration in Patients with Heart Failure and Acute Coronary Syndromes. *Journal of Interdisciplinary Medicine* 2021;6(3):146-152. DOI: 10.2478/jim-2021-0028.
2. **Hodas R**, Polexa SA, Manuca R, Benedek T. Coronary Computed Tomography Angiography for Assessment of Stable Coronary Artery Disease – a Cost-effectiveness Perspective. *Journal of Interdisciplinary Medicine* 2021; Epub ahead of print. DOI: 10.2478/jim-2021-0004.
3. Oltean PB, Kovács I, **Hodas R**, Benedek T. Cardiovascular Risk Factors from Another Point of View. *Journal of Interdisciplinary Medicine* 2021;6(1):27-31. DOI: 10.2478/jim-2021-0003.
4. Oltean PB, Kovács I, **Hodas R**, Rat N, Benedek T. Acute Coronary Syndrome and Arrhythmia Induced by SARS-CoV-2 Infection in a Patient with Non- Significant LAD Lesion. A Case Report. *Journal of Interdisciplinary Medicine* 2021;6(1):43-47. DOI: 10.2478/jim-2021-0010.
5. Libenciuc C, Licu RA, **Hodas R**, Chitu M, Benedek I. Myocardial Injury and Myocarditis in SARS-CoV-2 Patients. *Journal of Interdisciplinary Medicine* 2020;5(3):101-104. DOI: 10.2478/jim-2020-0019.
6. **Hodas R**. Cardiovascular Healthcare in 2020 – Alarming Realities in Romania. *Journal of Interdisciplinary Medicine* 2020;5(2):27-29. DOI: 10.2478/jim-2020-0014.
7. Mitra N, **Hodas R**, Szabó E, Parajkó Z, Benedek T, Benedek I. Impact of Coronary Plaque Vulnerability on Acute Cardiovascular Events – Design of a CT-based 2-year Follow-up Study. *Journal of Interdisciplinary Medicine* 2019;4(2):64-71. DOI: 10.2478/jim-2019-0015.
8. Mitra N, Cernica D, **Hodas R**, Chițu M, Kovács I, Raț N, Benedek I. Noninvasive Imaging Biomarkers of Vulnerable Coronary Plaques – a Clinical Update. *Journal of Interdisciplinary Medicine* 2019; Epub ahead of print. DOI: 10.2478/jim-2019-0021.
9. Ferent I, Mester A, Chițu M, Benedek A, Rațiu M, **Hodas R**, Benedek I. CTA Evaluation of Bioresorbable Scaffolds versus Metallic Coronary Stents – a Feasibility Study. *Journal of Interdisciplinary Medicine* 2018;3(3):152-159. DOI: 10.2478/jim-2018-0033.
10. Cucuruzac R, Marton E, **Hodas R**, Blendea C, Pirvu M, Benedek A, Benedek T. Impact of Pulmonary Arterial Hypertension on Left Ventricular Function – a Comparative Study between Scleroderma and Coronary Artery Disease. *Journal of Interdisciplinary Medicine* 2018;3(3):173-180. DOI: 10.2478/jim-2018-0028.
11. Ferent I, Mester A, Chițu M, Benedek A, Rațiu M, **Hodas R**, Benedek I. CTA Assessment of Coronary Atherosclerotic Plaque Evolution after BVS Implantation – a Follow-up Study. *Journal of Interdisciplinary Medicine* 2018;3(3):186-195. DOI: 10.2478/jim-2018-0035.
12. Cernica D, **Hodas R**, Himcinschi E, Beganu E, Benedek T. Actual Dose-Reduction Strategies in Cardiac Computed Tomography. *Journal of Interdisciplinary Medicine*. 2017;2(2):224-227. DOI: 10.1515/jim-2017-0062.
13. Rodean I, Beganu E, **Hodas R**, Himcinschi E, Bordin L, Benedek T. Cardiac Magnetic Resonance and Myocardial Viability: Why Is It so Important? *Journal of Interdisciplinary Medicine*. 2017;2(2):228-234. DOI: 10.1515/jim-2017-0063.
14. Himcinschi E, Beganu E, Bordin I, **Hodas R**, Benedek T. Magnetic Resonance Imaging in Myocardial Fibrosis Related to Ischemic Events. *Journal of Interdisciplinary Medicine*. 2017;2(2):250-253. DOI: 10.1515/jim-2017-0067.
15. Beganu E, Himcinschi E, **Hodas R**, Cernica D, Rodean I. Acute Thrombotic Coronary Occlusion in a Patient with Coronary Artery Anomaly. *Journal of Interdisciplinary Medicine*. 2017;2(2):266-269. DOI: 10.1515/jim-2017-0070.
16. Chițu M, Benedek T, Rat N, et al. Low-Density Carotid Plaques and the Risk of Stroke. *Journal of Interdisciplinary Medicine*. 2017;2:22-26. DOI: 10.1515/jim-2017-0024.

17. Cordunean A, **Hodas R**, Benedek E, et al. Imaging Techniques for the Assessment of Coronary Arteries in Diabetic Patients Undergoing PCI with Bioresorbable Vascular Scaffolds. *Journal of Interdisciplinary Medicine*. 2017;2:36-40. DOI: 10.1515/jim-2017-0030.
18. Lázár E, Bordi L, Benedek I, Chițu M, Suci Z, Nyulas T, **Hodas R**, Benedek I, Benedek I. Computed Tomographic Assessment of Coronary Arteries in Patients Undergoing Stem Cell Therapy Following an Acute Myocardial Infarction. *Journal of Interdisciplinary Medicine*. 2017;2(2): 136-139. <https://doi.org/10.1515/jim-2017-0054>.
19. Jáni L, Mester A, **Hodas R**, Kovács I, Benedek T, Bajka B, Benedek I. Computed Tomography Assessment of Coronary Fistulas. *Journal of Interdisciplinary Medicine*. 2017;2(2): 155-159. <https://doi.org/10.1515/jim-2017-0052>.
20. Rodean I, Himcinschi E, Cernica D, **Hodas R**, Beganu E, Benedek I. Spontaneous Coronary Artery Dissection as a Cause of Acute Coronary Syndrome in a Young Male Patient with Multiple Cardiovascular Comorbidities. *Journal of Interdisciplinary Medicine*. 2017;2(3): 280-282. <https://doi.org/10.1515/jim-2017-0064>.
21. **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. *Journal of Interdisciplinary Medicine* 2016;1(1):71-78. DOI: 10.1515/jim-2016-0014.
22. 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. *Journal of Interdisciplinary Medicine* 2016;1(1):62-70. DOI: 10.1515/jim-2016-0013.
23. Cordunean A, **Hodas R**, Pop S, Rat N, Jani L, Stănescu A, Benedek I, Benedek T. Characteristics of Coronary Lesions in Small Vessel Disease Treated with Elective Stenting in Patients with Type 2 Diabetes Mellitus. *Journal of Interdisciplinary Medicine* 2016;1(1):55-61. DOI: 10.1515/jim-2016-0012.

ARTICOLE ISI CU FI

1. DISCHARGE Trial Group, Maurovich-Horvat P, Bossert M, Kofoed KF, Rieckmann N, Benedek T, Donnelly P, Rodriguez-Palomares J, Erglis A, Štěchovský C, Šakalyte G, Čemerlić Adić N, Gutherlet M, Dodd JD, Diez I, Davis G, Zimmermann E, Kępa C, Vidakovic R, Francone M, Ilnicka-Suckiel M, Plank F, Knuuti J, Faria R, Schröder S, Berry C, Saba L, Ruzsics B, Kubiak C, Gutierrez-Ibarluzea I, Schultz Hansen K, Müller-Nordhorn J, Merkely B, Knudsen AD, Benedek I, Orr C, Xavier Valente F, Zvaigzne L, Suchánek V, Zajančauskiene L, Adić F, Woinke M, Hensey M, Lecumberri I, Thwaite E, Laule M, Kruk M, Neskovic AN, Mancone M, Kuśmierz D, Feuchtner G, Pietilä M, Gama Ribeiro V, Drosch T, Delles C, Matta G, Fisher M, Szilveszter B, Larsen L, Ratiu M, Kelly S, Garcia Del Blanco B, Rubio A, Drobni ZD, Jurlander B, Rodean I, Regan S, Cuéllar Calabria H, Boussoussou M, Engström T, **Hodas R**, Napp AE, Haase R, Feger S, Serna-Higuera LM, Neumann K, Dreger H, Rief M, Wieske V, Estrella M, Martus P, Dewey M. CT or Invasive Coronary Angiography in Stable Chest Pain. *N Engl J Med*. 2022 Mar 4. doi: 10.1056/NEJMoa2200963.
2. Mester A, Rat N, Benedek T, Opincariu D, **Hodas R**, Chitu M, Benedek I. Acute-Phase Inflammatory Reaction Predicts CMR Myocardial Scar Pattern and 2-Year Mortality in STEMI Patients Undergoing Primary PCI. *J Clin Med*. 2022 Feb 24;11(5):1222. doi: 10.3390/jcm11051222.
3. **Hodas R**, Benedek I, Rat N, Kovacs I, Chitu M, Benedek T. Impact of COVID-19 Pandemic on STEMI Networks in Central Romania. *Life*. 2021; 11(10):1004. <https://doi.org/10.3390/life11101004>.
4. Opincariu, D., Rodean, I., Rat, N., **Hodas, R.**, Benedek, I., & Benedek, T. (2021). Systemic Vulnerability, as Expressed by I-CAM and MMP-9 at Presentation, Predicts One Year Outcomes in Patients with Acute Myocardial Infarction—Insights from the VIP Clinical Study. *Journal of Clinical Medicine*, 10(15), 3435. doi:10.3390/jcm10153435.
5. Stanescu A, Benedek I, Opincariu D*, **Hodas R**, Ratiu M, Benedek T. Assessment of lesion-associated myocardial ischemia based on fusion coronary CT imaging – the FUSE-HEART study. *Medicine*. 2021;100(14):e25378. doi: 10.1097/MD.00000000000025378.
6. Rus VA, Chitu M, Cernea S, Benedek I, **Hodas R**, Zavate R, Nyulas T, Hintea M, Benedek T. (2019). Altered nutritional status, inflammation and systemic vulnerability in patients with acute myocardial

infarction undergoing percutaneous coronary revascularisation: A prospective study in a level 3 cardiac critical care unit. *Nutrition & Dietetics*. doi:10.1111/1747-0080.12536.

7. Susca MG, **Hodas R**, Benedek T, Benedek I, Chitu M, Opincariu D, ... Rezus, C. (2020). Impact of cardiac rehabilitation programs on left ventricular remodeling after acute myocardial infarction. *Medicine*. 2020;99(16):e19759. doi:10.1097/md.00000000000019759.
8. 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: Protocol for a non-randomized prospective clinical study. *Medicine (Baltimore)*. 2019 Apr;98(17):e15194. doi: 10.1097/MD.00000000000015194.
9. 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 May 25;20(10):2574. doi: 10.3390/ijms20102574.
10. Korodi S, Toganel R, Benedek T, **Hodas R**, Chitu M, Ratiu M, Kovacs I, Mester A, Benedek I. Impact of inflammation-mediated myocardial fibrosis on the risk of recurrence after successful ablation of atrial fibrillation - the FIBRO-RISK study: Protocol for a non-randomized clinical trial. *Medicine (Baltimore)*. 2019 Mar;98(9):e14504. doi: 10.1097/MD.00000000000014504.

ARTICOLE ISI FĂRĂ FI

1. Mester A, Cernica D, Opincariu D, Rat N, **Hodas R**, Kovacs I, Benedek T, Benedek I. Magnitude of ST-segment Elevation Is Associated with Increased Acute Inflammatory Response and Myocardial Scar in Patients with Acute Myocardial Infarction Undergoing pPCI. *Journal Of Cardiovascular Emergencies*. 2021;7(4): 100-106. <https://doi.org/10.2478/jce-2021-0020>.
2. Opincariu D, Rat N, Mester A, **Hodas R**, Cernica D, Pasaroiu D, Ratiu M, Chitu M, Kovacs I, Benedek I, Benedek T. Site-specific Phenotype of Atherosclerotic Lesions According to Their Location Within the Coronary Tree – a CCTA-based Study of Vulnerable Plaques. *Journal Of Cardiovascular Emergencies*. 2021;7(2):39-46. <https://doi.org/10.2478/jce-2021-0010>.
3. **Hodas R**, Benedek T. From Chronic to Acute Models of Heart Failure – The Cost-Effectiveness Perspective. *Journal Of Cardiovascular Emergencies*. 2019;5(4): 123-125. <https://doi.org/10.2478/jce-2019-0021>.
4. Opincariu D, **Hodas R**. Mobilization of Patients Suffering from Acute Myocardial Infarction – When Is It Too Early?. *Journal Of Cardiovascular Emergencies*. 2019;5(3): 99-103. <https://doi.org/10.2478/jce-2019-0014>.
5. Benedek T, **Hodas R**. New ICCUs – a Modern Perspective on Acute Cardiac Care. *Journal Of Cardiovascular Emergencies*. 2019;5(2): 47-49. <https://doi.org/10.2478/jce-2019-0010>.
6. Rus V, Opincariu D, **Hodas R**, Nyulas T, Hintea M, Benedek T. 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. <https://doi.org/10.2478/jce-2018-0005>.
7. Orzan M, **Hodas R**, Dobra M, Rat N, Chitu M, Benedek I. Original Research. Transluminal Contrast Attenuation Gradient Is Associated with Coronary Plaque Vulnerability — a Computed Tomography Angiography-based Study. *Journal Of Cardiovascular Emergencies*. 2017;3(3): 121-127. <https://doi.org/10.1515/jce-2017-0016>.
8. Jani L, **Hodas R**, Beganu E, Bordi L. Coronary Artery Malformations Presenting as Acute Coronary Syndromes: A Case Series. *Journal Of Cardiovascular Emergencies*. 2017;3(2): 84-88. <https://doi.org/10.1515/jce-2017-0011>.
9. Benedek T, Rat N, **Hodas R**, Opincariu D, Mester A, Benedek I. Original research. The Assessment of Epicardial Adipose Tissue in Acute Coronary Syndrome Patients. A Systematic Review. *Journal Of Cardiovascular Emergencies*. 2017;3(1): 18-29. <https://doi.org/10.1515/jce-2017-0003>.

10. Matei C, Mester A, Cernica D, **Hodas R**, Bordi L. Original research. Regional Wall Motion Abnormalities and Ventricular Function in Acute Peri-Myocarditis. Journal Of Cardiovascular Emergencies. 2017;3(1): 30-35. <https://doi.org/10.1515/jce-2017-0004>.
11. Opincariu D, Mester A, Rațiu M, Rat N, Bordi L, **Hodas R**, Morariu M, Jakó B, Tănăsuc C, Suciu Z. Factors Associated with One-year Mortality in Patients with Acute Pulmonary Embolism. Journal Of Cardiovascular Emergencies. 2016;2(2): 63-70. <https://doi.org/10.1515/jce-2016-0010>.
12. Opincariu D, Mester A, Dobra M, Rat N, **Hodas R**, Morariu M. 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. <https://doi.org/10.1515/jce-2016-0003>.

***GRANTURI DE CERCETARE:**

1.1 Granturi de cercetare câștigate prin competiție

1). Cercetarea modelelor de cost-eficiență în explorarea imagistică complexă a afecțiunilor cardiovasculare majore

Finanțator: UMFST Târgu-Mureș

Rol în proiect – Director de proiect

Valoare proiect: 22.500 LEI

Perioada de derulare: 2022 – 2023

2). Cercetarea interrelației dintre statusul nutrițional, răspunsul inflamator și evoluția remodelării ventriculare postinfarct miocardic – studiu într-o unitate de terapie intensivă coronariană de nivel 3

Finanțator: UMFST Târgu-Mureș

Rol în proiect – membru în proiect

Valoare proiect: 95.600 LEI

Perioada de derulare: 2020 – 2022

3). Țesutul adipos epicardic, inflamația locală și vulnerabilitatea plăcilor ateromatoase-studiu imagistic computațional bazat pe inteligență artificială

Acronim: Intel-FAT

Finanțator: UMFST Târgu-Mureș

Rol în proiect – membru în proiect

Valoare proiect: 250.000 EUR

Perioada de derulare: 2020 – 2022