



FOTO (opțional)

CURRICULUM VITAE

Date personale:

Nume, Prenume: **Rat Nora**

Titlu academic: Sef de lucrari

Departament: M3

E-mail instituțional: **nora.rat@umfst.ro**

Domenii de interes (maximum 5 domenii, direcții):

- **Imagistică cardiovasculară**
- **Dispozitive Implantabile**
- **Boala atherosclerotică.**
- **Insuficiența Cardiacă**
- **Hipertensiune arterială**

Activitate de cercetare:

1. Proiecte de cercetare (maximum 3 proiecte)

- a. Diagnostic Imaging Strategies for Patients with Stable Chest Pain and Intermediate Risk of Coronary Artery Disease: Comparative Effectiveness Research of Existing Technologies – DISCHARGE. Grant agreement no. HEALTH-F2-2013-603266, program FP7-Health-2013-Innovation-1, FP7 European Commission. Coordinator of Eastern European Centers - member.
- b. Epicardial fat tissue, local inflammation and atheromatous plaque vulnerability – an imaging study based on artificial intelligence – INTELFAT. Ctr nr PCE 206/2020, financed by the Romanian Ministry of Health. – member
- c. High-performance multimodal imaging platform MRI/CT for computational medicine, nanoparticle research and hybrid imaging in research of atherothrombotic diseases – CARDIOIMAGE. Financed by Romanian Ministry of – member





2. Lucrări publicate in extenso (maximum 5 lucrări)

1. Gerculy R, Benedek I, Kovács I, Rat N, Halațiu VB, Rodean I, Bordi L, Blîndu E, Roșca A, Mátyás BB, Szabó E, Parajkó Z, Benedek T. CT-Assessment of Epicardial Fat Identifies Increased Inflammation at the Level of the Left Coronary Circulation in Patients with Atrial Fibrillation. J Clin Med. 2024 Feb 26;13(5):1307. doi: 10.3390/jcm13051307.
2. Mátyás BB, Benedek I, Raț N, Blîndu E, Parajkó Z, Mihăilă T, Benedek T. Assessing the Impact of Long-Term High-Dose Statin Treatment on Pericoronary Inflammation and Plaque Distribution-A Comprehensive Coronary CTA Follow-Up Study. Int J Mol Sci. 2024 Jan 30;25(3):1700. doi: 10.3390/ijms25031700.
3. 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 Dec;36(12):2403-2427. doi: 10.1007/s10554-020-01926-1.
4. Opincariu D, Rodean I, Rat N, Hodas R, Benedek I, Benedek T. 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. J Clin Med. 2021 Jul 31;10(15):3435. doi: 10.3390/jcm10153435.
5. Rat N, Muntean I, Opincariu D, Gozar L, Togănel R, Chițu M. Cardiovascular Imaging for Guiding Interventional Therapy in Structural Heart Diseases. Curr Med Imaging Rev. 2020;16(2):111-122. doi: 10.2174/1573405614666180612081736.

