



Curriculum vitae Europass

Inserați fotografia. (rubrică facultativă, vezi instrucțiunile)

Informații personale

Nume / Prenume

Rat Nora

Adresă(e)

Tirgu Mures

Naționalitate(-tăți)

Romana, Maghiara

Locul de muncă vizat / Domeniul ocupațional

Asistent universitar – UMF Tirgu Mures 2015
Medic rezident cardiolog – Spitalul Orasenesc „Dr. Valler Russu” Ludus

Educație și formare

Medicina generala

Perioada

2003-2009

Calificarea / diploma obținută

Medic

Numele și tipul instituției de învățământ
/ furnizorului de formare

Universitate de Medicina si Farmacie Tirgu Mures, Romania

Aptitudini și competențe personale

Limbi străine cunoscute

Engleza-Profex 2009 B

Managing editor:

Journal of Interdisciplinary Medicine din 2016

Membru: in CSUD si CSD UMF Tirgu Mures din 2016

Research grants:

1) Diagnostic Imaging Strategies for Patients with Stable Chest Pain and Intermediate Risk of Coronary Artery Disease: Comparative Effectiveness Research of Existing Technologies

Acronim: **DISCHARGE**

Grant agreement no. HEALTH-F2-2013-603266, program FP7-Health-2013- Innovation-1

Financing body - *European Commission, program FP7*

Role: Member

Project value (partner): 150,000 EUR Period: 2014-2016

2) Development of research capacity in the field of vulnerable coronary plaque imaging, using advanced nanoparticle-based technologies, fusion imaging and computational simulations

Acronim: **PlaqueImage**

Financed by the Romanian Ministry of European Funds, the Romanian Government, and the European Union Research Grant No. 103544/2016, Contract Number 26/01.09.2016

Role: Member

ANEXA

1. LUCRĂRI PUBLICATE ÎN REVISTE ISI CU FACTOR DE IMPACT

1.1. ISI cu FI, Prim autor:

1. Cardiovascular Imaging for Guiding Interventional Therapy in Structural Heart Diseases
Nora Rat, Iolanda Muntean*, Diana Opincariu, Liliana Gozar, Rodica Toganel, Monica Chitu
Current Medical Imaging Reviews, **Factor de impact 0.299**
Accepted, E-pub Ahead of Print
DOI : 10.2174/1573405614666180612081736
<http://www.eurekaselect.com/163008/article>

1.2. ISI cu FI, Autor corespondent:

- 1) High iliac calcium score is associated with increased severity and complexity of peripheral arterial disease and predicts global atherosclerotic burden
Zsuzsanna Jeremias, **Nora Rat**, Imre Benedek, Emese Rapolti, Mihaela Ratiu, Adrian Muresan, Theodora Benedek
Vasa, 2018;1(1):1-10 **Factor de impact 1.210**
DOI: <https://doi.org/10.1024/0301-1526/a000718>
<https://econtent.hogrefe.com/doi/abs/10.1024/0301-1526/a000718?journalCode=vas>
- 2) Fractional flow reserve and visual assessment for moderate coronary artery stenosis
Marius Orzan, **Nora Rat***, Imre Benedek
Kardiologia Polska (Polish Heart Journal), 2017;75(11):1214-1215. **Factor de impact 1.227**
Doi: 10.5603/KP.2017.0223
<https://ojs.kardiologiapolska.pl/kp/article/view/KP.2017.0223>

1.3. ISI co-author:

1. **Right Ventricle Remodeling and Function in Scleroderma Patients.**
Roxana Cucuruzac, Iolanda Muntean, Imre Benedek, Andras Mester, **Nora Rat**, Adriana Mitre, Monica Chitu, and Theodora Benedek
BIOMED RESEARCH INTERNATIONAL **Factor de impact 2,583**
Article Number: 4528148
DOI: 10.1155/2018/4528148
<https://www.hindawi.com/journals/bmri/2018/4528148/>

2. LUCRĂRI PUBLICATE ÎN REVISTE ISI FĂRĂ FI, COAUTOR

- 1) Periodontal Disease, Inflammation and Atherosclerosis Progression in Patients with Acute Coronary Syndromes - the ATHERODENT Study
Theodora Benedek, Ioana Rodean, Mihaela Ratiu, **Nora Rat**, Lia Yero Eremie, Carmen Biriș, Luminița Lazăr, Mariana Păcurar, Imre Benedek

JOURNAL OF CARDIOVASCULAR EMERGENCIS, 2018;4(1):17-23 .

DOI: 10.2478/jce-2018-0001

<https://content.sciendo.com/view/journals/jce/4/1/article-p17.xml>

- 2) Transluminal Contrast Attenuation Gradient Is Associated with Coronary Plaque Vulnerability - a Computed Tomography Angiography-based Study
Orzan, Marius; Hodas, Roxana; Dobra, Mihaela; **Nora Rat**, Monica Chitu, Imre Benedek
JOURNAL OF CARDIOVASCULAR EMERGENCIES 2017;3(3):121-127
DOI: 10.1515/jce-2017-0016
[https://www.degruyter.com/dg/viewarticle/j\\$002fjce.2017.3.issue-3\\$002fjce-2017-0016\\$002fjce-2017-0016.xml](https://www.degruyter.com/dg/viewarticle/j$002fjce.2017.3.issue-3$002fjce-2017-0016$002fjce-2017-0016.xml)
- 3) The Assessment of Epicardial Adipose Tissue in Acute Coronary Syndrome Patients. A Systematic Review
Theodora Benedek, Diana Opincariu, **Nora Rat**, Roxana Hodas, András Mester, Imre Benedek
Journal of Cardiovascular Emergencies. 2017;3:18-29.
DOI: 10.1515/jce-2017-0003.
<https://www.degruyter.com/downloadpdf/j/jce.2017.3.issue-1/jce-2017-0003/jce-2017-0003.pdf>
- 4) Predictors Of Mortality In Patients With ST-Segment Elevation Acute Myocardial Infarction And Resuscitated Out-Of-Hospital Cardiac Arrest
Barcan Andreea, Chitu Monica, Benedek Edvin, Nora Rat, Szilamer Korodi, Mirabela Morariu, Istvan Kovacs
The Journal of Critical Care Medicine 2016;2(1):22-29
DOI: 10.1515/jccm-2016-0001
<http://jccm.ro/wp-content/uploads/2016/01/jccm-2016-0001.pdf>
- 5) **Morphological Features and Plaque Composition in Culprit Atheromatous Plaques of Patients with Acute Coronary Syndromes**
Tiberiu Nyulas, Emese Marton, Victoria Ancuta Rus, **Nora Rat**, Mihaela Ratiu, Theodora Benedek, Imre Benedek
Journal of Cardiovascular Emergencies 2018;4(2):84-94
DOI: 10.2478/jce-2018-0012
<http://www.jce.ro/article/morphological-features-and-plaque-composition-in-culprit-atheromatous-plaques-of-patients-with-acute-coronary-syndromes/>

3. LUCRĂRI PUBLICATE ÎN REVISTE INDEXATE BDI

a. BDI Prim autor:

1. The Effect of Periplaque Fat on Coronary Plaque Vulnerability in Patients with Stable Coronary Artery Disease – a 128-multislice CT-based Study
Nóra Raț, Diana Opincariu, Emese Márton, Ramona Zavate, Mirela Pintican, Theodora Benedek
Journal of Interdisciplinary Medicine 2018;3(2):69-76
DOI: 10.2478/jim-2018-0019
<http://www.interdisciplinary.ro/article/the-effect-of-periplaque-fat-on-coronary-plaque-vulnerability-in-patients-with-stable-coronary-artery-disease-a-128-multislice-ct-based-studyabstract-background-the-role-of-periplaque-fat/>
2. The Effect of Epicardial Fat on the Right and Left Ventricular Function in Subjects with Various Etiological Types of Pulmonary Arterial Hypertension
Nóra Raț, Diana Opincariu, Ciprian Blendea, Roxana Cucuruzac, Pirvu Mirela, Monica Chitu, Imre Benedek, Theodora Benedek

3. Epicardial Fat, Paracrine-mediated Inflammation and Atrial Fibrillation

Nora Rat, Adriana Mitre, Szilamér Korodi, István Benedek Jr, Erzsébet Lázár, Johanna Kéri, Annamária Pakucs, István Benedek

Journal of Interdisciplinary Medicine 2017;2(4):304-307

DOI: 10.1515/jim-2017-0090

<https://content.sciendo.com/view/journals/jim/2/4/article-p304.xml>

b. BDI Ultim autor:

1) Coronary Artery Dissection in the Left Main Treated with Stenting in a Patient with Multiple Re-infarction—Case Report

Nyulas Tiberiu, Blendea Ciprian, Barcan Andreea, Bajka Balazs, Korodi Szilamer, **Rat Nora**

Acta Medica Marisiensis 2016;62(2):263-265

DOI: 10.1515/amma-2015-0129

<http://actamedicamarisiensis.ro/wp-content/uploads/2015/11/amma-2015-0129.pdf>

2) Interdisciplinary Approach at the Border Between Hematology and Cardiology

Diana Opincariu, **Nora Rat**

Journal of Interdisciplinary Medicine 2017;2(1):7-8

DOI: 10.1515/jim-2017-0035

<https://www.interdisciplinary.ro/wp-content/uploads/2017/05/JIM-Vol-2-Nr-1-interior.pdf>

c. BDI autor corespondent:

1. Invasive FFR—Current Applications and New Developments

Monica Chițu, **Nora Rat**, Diana Opincariu, Alexandra Stănescu, András Mester, Theodora Benedek, Imre Benedek

Journal of Interdisciplinary Medicine 2016;1(3):231-236

DOI: 10.1515/jim-2016-0073

<https://www.interdisciplinary.ro/wp-content/uploads/2016/12/2-Chitu.pdf>

2. CT-based assessment of myocardial bridging in patients with acute chest pain and no atherosclerotic etiology

Alexandra Stănescu, Zsuzsanna Suci, **Nora Rat**, Mirabela Morariu, Monica Chițu

Journal of Cardiovascular Emergencies. 2016;2:71-75.

DOI: 10.1515/jce-2016-0011

<http://www.jce.ro/article/ct-based-assessment-myocardial-bridging-patients-acute-chest-pain-no-atherosclerotic-etiology/>

d. BDI coautor

1. Correlations Between Severity of Coronary Lesions and Epicardial Fat Volume in Patients with Coronary Artery Disease—a Multislice CT-based Study

Roxana Hodaş, Sorin Pop, Diana Opincariu, **Nora Rat**, Laura Jani, Alexandra Stanescu, Edvin Benedek, Imre Benedek, Theodora Benedek, Monica Chitu
Journal of Interdisciplinary Medicine 2016;1(1):71-78
DOI: 10.1515/jim-2016-0014
<http://www.interdisciplinary.ro/article/correlations-severity-coronary-lesions-epicardial-fat-volume-patients-coronary-artery-disease-multislice-ct-based-study/>

2. Hybrid Imaging in the Assessment of Myocardial Ischemia and Viability
Alexandra Stănescu, Diana Opincariu, **Nora Rat**, Mirabela Morariu, Sebastian Condrea, Imre Benedek, Theodora Benedek
Journal of Interdisciplinary Medicine 2016;1(3):242-246
DOI: 10.1515/jim-2016-0071
<http://www.interdisciplinary.ro/wp-content/uploads/2016/12/4-Stanescu.pdf>
3. Transluminal Attenuation Gradient for the Noninvasive Assessment of Functional Significance in Coronary Artery Stenoses
Marius Orzan, Alexandra Stănescu, Tiberiu Nyulas, Mirabela Morariu, **Nora Rat**, Sebastian Condrea, Imre Benedek
Journal of Interdisciplinary Medicine 2016;1(3):267-270
DOI: 10.1515/jim-2016-0074
<http://www.interdisciplinary.ro/wp-content/uploads/2016/12/9-Marius.pdf>
4. Predictors of Left Ventricular Remodeling after Revascularized Acute Myocardial Infarction
Sorin Pop, Roxana Hodaş, Edvin Benedek, Diana Opincariu, **Nora Rat**, Laura Jani, Alexandra
Journal of Interdisciplinary Medicine 2016;1(1):62-70
DOI: 10.1515/jim-2016-0013
<http://www.interdisciplinary.ro/wp-content/uploads/2016/06/jim-2016-0013.pdf>
5. Inflammatory and Imaging-based Predictors of Atrial Fibrillation Recurrence after Pulmonary Vein Isolation Using Electroanatomical Mapping—the INFLAMAP Study
SSzilamér Korodi, Theodora Benedek, Lehel Bordi, István Kovács, **Nora Rat**, Emese Márton, Mihaela Raţiu, Imre Benedek
Journal of Interdisciplinary Medicine 2018;3(1):10-15
DOI: 10.2478/jim-2018-0007
<http://www.interdisciplinary.ro/article/inflammatory-and-imaging-based-predictors-of-atrial-fibrillation-recurrence-after-pulmonary-vein-isolation-using-electroanatomical-mapping-the-inflamap-study/>
6. Cardiac Computed Tomography Assessment in Acute Coronary Syndromes—Do We Have Time for It in Emergency Settings?
Alexandra Stănescu, Elisabeta Himcinschi, Mirabela Morariu, **Nora Rat**, Lehel Bordi, Mihaela Raţiu, Annabella Benedek, Imre Benedek, Theodora Benedek
Journal of Interdisciplinary Medicine 2017;2(2):142-145
DOI: 10.1515/jim-2017-0051
<http://www.interdisciplinary.ro/article/cardiac-computed-tomography-assessment-acute-coronary-syndromes-time-emergency-settings/>
7. High-Risk Coronary Plaques Complicated with Acute Coronary Syndrome in Young Patients
Diana Opincariu, Daniel Cernica, Marius Orzan, Monica Chiţu, Zsuzsanna Suciu, **Nora Rat**, Theodora Benedek, Imre Benedek

Journal of Interdisciplinary Medicine 2017;2(2):152-156

DOI: 10.1515/jim-2017-0050

<http://www.interdisciplinary.ro/article/high-risk-coronary-plaques-complicated-acute-coronary-syndrome-young-patients/>

8. New Imaging-based Tools for the Assessment of Ventricular Function in Ischemic Heart Diseases
Lehel Bordi, István Kovács, Balázs Bajka, Ciprian Blendea, **Nora Rat**, Annabell Benedek, Zsuzsanna Suci, Imre Benedek
Journal of Interdisciplinary Medicine 2017;2(1):31-35
DOI: 10.1515/jim-2017-0020
<https://content.sciendo.com/view/journals/jim/2/1/article-p31.xml>
9. Low-Density Carotid Plaques and the Risk of Stroke
Monica Chițu, Theodora Benedek, **Nora Rat**, Roxana Hodas, András Mester, Annabell Benedek, Lehel Bordi, Imre Benedek
Journal of Interdisciplinary Medicine 2017;2(1):22-26
DOI: 10.1515/jim-2017-0024
<https://content.sciendo.com/view/journals/jim/2/1/article-p22.xml>
10. The Care of Central Venous Catheters in the Oncopediatric Department
Zsuzsanna Erzsébet Papp, Mária-Adrienne Horváth, **Nora Rat**, Lucian Băilă
Journal of Interdisciplinary Medicine 2016;1(2):159-164
DOI: 10.1515/jim-2016-0026
<https://content.sciendo.com/view/journals/jim/1/2/article-p159.xml>
11. Noninvasive Assessment of Coronary Artery Disease: Fractional Flow Reserved Derived from Coronary Computed Tomography Angiography (FFRCT)
Mihaela Rațiu, **Nora Rat**, Sebastian Condrea, Alexandra Stănescu, Diana Opincariu, András Mester, Laura Jani, Imre Benedek, Theodora Benedek
Journal of Interdisciplinary Medicine 2016;1(2):137-141
DOI: 10.1515/jim-2016-0030
<https://content.sciendo.com/view/journals/jim/1/2/article-p137.xml>
12. Characteristics of Coronary Lesions in Small Vessel Disease Treated with Elective Stenting in Patients with Type 2 Diabetes Mellitus
Alina Cordunean, Roxana Hodaș, Sorin Pop, **Nora Rat**, Laura Jani, Alexandra Stănescu, Imre Benedek, Theodora Benedek
Journal of Interdisciplinary Medicine 2016;1(1):55-61
DOI: 10.1515/jim-2016-0012
<https://content.sciendo.com/view/journals/jim/1/1/article-p55.xml>
13. Epicardial adipose tissue role as a marker of higher vulnerability in patients with coronary artery disease
Tiberiu Nyulas, Mirabela Morariu, **Nora Rat**, Emese Marton, Victoria Ancuta Rus, Mihaela Ratiu, Theodora Benedek, Imre Benedek
Journal of Interdisciplinary Medicine 2018;3(2):77-83
DOI: 10.2478/jim-2018-0018
<http://www.interdisciplinary.ro/article/epicardial-adipose-tissue-role-as-a-marker-of-higher-vulnerability-in-patients-with-coronary-artery-disease/>

14. Prognostic Value of Epicardial Fat Thickness as a Biomarker of Increased Inflammatory Status in Patients with Type 2 Diabetes Mellitus and Acute Myocardial Infarction
Diana Opincariu, András Mester, Mihaela Dobra, **Nora Rat**, Roxana Hodas, Mirabela Morariu, Beáta Jakó, Zsuzsanna Suciú
Journal of Cardiovascular Emergencies. 2015;1:11-18.
DOI: 10.1515/jce-2016-0003
<http://www.jce.ro/wp-content/uploads/2016/05/jce-2016-0003.pdf>
15. Assessment of Coronary Plaque Vulnerability in Acute Coronary Syndromes using Optical Coherence Tomography and Intravascular Ultrasound. A Systematic Review.
Theodora Benedek, András Mester, Annabell Benedek, **Nora Rat**, Diana Opincariu, Monica Chițu
Journal of Cardiovascular Emergencies. 2016;2:173-184.
DOI: 10.1515/jce-2016-0028.
<http://www.jce.ro/wp-content/uploads/2016/12/jce-2016-0028-2.pdf>
16. Factors associated with one-year mortality in patients with acute pulmonary embolism.
Diana Opincariu, András Mester, Mihaela Rațiu, **Nora Rat**, Lehel Bordi, Roxana Hodas, Mirabela Morariu, Beáta Jakó, Camelia Tănăsuc, Zsuzsanna Suciú
Journal of Cardiovascular Emergencies. 2016;2:63-70.
DOI: 10.1515/jce-2016-0010
<https://content.sciendo.com/view/journals/jce/2/2/article-p63.xml>
17. Integrated ST segment elevation scores and in-hospital mortality in STEMI patients undergoing primary PCI.
Diana Opincariu, Monica Chițu, **Nora Rat**, Imre Benedek
Journal of Cardiovascular Emergencies. 2016;2:114-121.
DOI: 10.1515/jce-2016-0018
<http://www.jce.ro/wp-content/uploads/2016/09/jce-2016-0018.pdf>