

LISTA DE LUCRARI

a) Teza de doctorat:

Titlul: "Modele imagistice tridimensionale utilizate in caracterizarea placilor coronariene cu risc crescut de infarct"

Domeniul: Medicina

Anul sustinerii: 2019

Coordonator stiintific: Prof. Dr. Theodora Benedek

Institutia eliberatoare a diplomei de doctor: Universitatea de Medicina, Farmacie, Stiinte si Tehnologie "George Emil Palade" din Targu Mures

Calificativul obtinut: "Excelent" – "Summa cum laude"

b) Carti de specialitate

c) Capitole in volume colective

1. Maria Daniela Podeanu, Mircea Buruiian, Constantina Andrada Treabă, Iunius Paul Simu, Rareș Cristian Filep, **Alexandra Mihaela Rațiu** - *Compendiu de radioimagnostică medicală – Volumul I*, Editura University Press, 2016, ISBN 978-973-169-342-2

2. Maria Daniela Podeanu, Mircea Buruiian, Constantina Andrada Treabă, Iunius Paul Simu, Rareș Cristian Filep, **Alexandra Mihaela Rațiu** - *Compendiu de radioimagnostică medicală – Volumul II*, Editura University Press, 2016, ISBN 978-973-169-342-9

3. Maria Daniela Podeanu, Constantina Andrada Treabă, Iunius Paul Simu, **Alexandra Mihaela Rațiu**, Rareș Cristian Filep - *Compendiu de radioimagnostică musculoscheletală*, Editura University Press, 2015, ISBN 978-973-169-384-2

d) Articole publicate in extenso

(1) Articole in reviste cotate ISI, cu factor de impact

1. Korodi Szilamer, Rodica Toganel, Theodora Benedek, Roxana Hodas, Monica Chitu, **Mihaela Ratiu**, Istvan Kovacs, Andras Mester, Imre Benedek. *Impact of inflammation-mediated myocardial fibrosis on the risk of recurrence after succesful ablation of atrial fibrillation – the FIBRO-RISK study: protocol for a non-randomized clinical trial*. *Medicine*, 2019 98(9): e14504. Doi: 10.1097/MD.00000000000014504, FI: 2,028
2. **Mihaela Ratiu**, Monica Chitu, Imre Benedek, Theodora Benedek, Istvan Kovacs, Nora Rat, Ciprian Rezus – *Impact of coronary plaque geometry on plaque vulnerability and its association with the risk of future cardiovascular events in patients with chest pain undergoing coronary computed tomographic angiography-the GEOMETRY study: Protocol for a clinical trial*. *Medicine*, 2018; 97(49):e13498. Doi: 10.1097/MD.00000000000013498, FI: 2,028
3. Zsuzsanna Jeremias, Nora Rat, Imre Benedek, Emese Rapolti, **Mihaela Ratiu**, Adrian Muresan, Theodora Benedek – *High iliac calcium score is associated with increased severity and complexity of peripheral arterial disease and predicts global atherosclerotic burden*, *Vasa*, 2018 Jun, 13:1-10, doi: 10.1024/0301-1526/a00718, FI: 1.210
4. Eموke Horvath, Iulia Bârsan, Andreea Patachi, Valentin Stroe, **Mihaela Dobra** – *Left atrium bronchogenic cyst in a 10-year-old girl: A case report*. *Virchows Archiv – European Journal of Pathology*, 2015 September, Vol 467, Suppl 1, S1-S279, ISSN 0945-6317

(2) Articole in reviste cotate ISI, fara factor de impact

1. **Mihaela Ratiu**, Nora Rat, Tiberiu Nyulas, Geanina Moldovan, Victoria Rus, Theodora Benedek, Imre Benedek. *Coronary Plaque Geometry and Thoracic Fat Distribution in Patients with Acute Chest Pain – a CT Angiography Study*. Journal of Cardiovascular Emergencies; 2019, 5(1):18-24; doi: 10.2478/jce-2019-0001
2. Mirabela Morariu, Emese Marton, Andras Mester, **Mihaela Ratiu**, Imre Benedek – *Association between Acute Inflammatory Response and Infarct Size in STEMI Patients Undergoing Primary PCI*, Journal of Cardiovascular Emergencies, 2018 Noiembrie, Vol 4, Issue 3, 140-146, ISSN: 2457-550X
3. Tiberiu Nyulas, Emese Marton, Victoria Rus, Nora Rat, **Mihaela Ratiu**, Theodora Ratiu, Imre Benedek – *Morphological Features and Plaque Composition in culprit Atheromatous Plaques of Patients with Acute Coronary Syndromes*, Journal of Cardiovascular Emergencies, 2018 Iunie, Vol 4, Issue 2, 84-94, ISSN: 2457-550X
4. **Mihaela Dobra**, Lehel Bordi, Tiberiu Nyulas, Alexandra stanescu, Mirabela Morariu, Sebastian Condrea, Theodora Benedek – *Clinical update. Computed Tomography – an emerging Tool for Triple Rule-Out in the emergency Department. A review*. Journal of Cardiovascular Emergencies, 2017, Vol 3, Issue 1, 36-40, ISSN: 2457-550X
5. Marius Orzan, **Mihaela Dobra**, Monica Chitu – *A comparative preliminary study on CT contrast attenuation gradient versus invasive FFR in patients with unstable angina*. Journal of Cardiovascular Emergencies, 2017, Vol 3, Issue 2, 72-78, ISSN: 2457-550X
6. Marius Orzan, Roxana Hodas, **Mihaela Dobra**, Nora Rat, Monica Chitu, Imre Benedek – *Transluminal Contrast Attenuation Gradient Is Associated with Coronary Plaque Vulnerability – a Computed Tomography Angiography –based Study*. Journal of Cardiovascular Emergencies, 2017, Vol 3, Issue 3, 121-127, ISSN: 2457-550X
7. Diana Opincariu, András Mester, **Mihaela Rațiu**, Nora Rat, Lehel Bordi, Roxana Hodas, Mirabela Morariu, Beáta Jakó, Camelia Tănăsuc, Zsuzsanna Suciú - *Factors Associated with One-year Mortality in Patients with Acute Pulmonary Embolism*. Journal of Cardiovascular Emergencies, 2016 Martie, Vol 2, issue 2, pag 63, ISSN: 2457 - 550X
8. Diana Opincariu, András Mester, **Mihaela Dobra**, Nora Rat, Roxana Hodas, Mirabela Morariu, Beáta Jakó, Zsuzsanna Suciú - *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 Martie, Vol 2, Issue 1, pag 11, ISSN: 2457 - 550X

(3) Articole in reviste indexate BDI

1. Ioan Ferent, Andras Mester, Monica Chitu, Annabell Benedek, **Mihaela Ratiu**, Roxana Hodas, Imre Benedek – *CTA Assessment of Coronary Atherosclerotic Plaque Evolution after BVS Implantation – a Follow-up Study*, Journal of Interdisciplinary Medicine, 2018 Septembrie, Vol 3, Issue 3, 152-159, ISSN 2501-5974
2. Ioan Ferent, Andras Mester, Monica Chitu, Annabell Benedek, **Mihaela Ratiu**, Roxana Hodas, Imre Benedek - *CTA Evaluation of Bioresorbable Scaffolds versus Metallic Coronary Stents-a Feasibility Study*, Journal of Interdisciplinary Medicine, 2018 Septembrie, Vol 3, Issue 3, 152-159, ISSN 2501-5974
3. Tiberiu Nyulas, Mirabela Morariu, Nora Rat, Emese Marton, Victoria Rus, **Mihaela Ratiu**, Theodora Benedek, Imre Benedek - *Epicardial adipose tissue role as marker of higher vulnerability in patients with coronary artery disease*, Journal of Interdisciplinary Medicine, 2018 Iunie, Vol 3, Issue 2, 77-83, ISSN 2501-5974
4. Theodora Benedek, Ioana Rodean, **Mihaela Ratiu**, Nora Rat, Lia Yero Eremie, Carmen Biris, Luminita Lazar, Mariana Pacurar, Imre Benedek – *Periodontal Disease, Inflammation and Atherosclerosis*

Progression in Patients with Acute Coronary Syndromes – the ATHERODENT Study, Journal of Interdisciplinary Medicine, 2018 Martie, Vol 3, Issue 1, 17-23, ISSN 2501-5974

5. Szilamer Korodi, Theodora Benedek, Lehel Bordi, Istvan Kovacs, Nora Rat, emese Marton, **Mihaela Ratiu**, Imre Benedek – *Inflammatory and Imaging-based Predictors of Atrial fibrillation Recurrence after Pulmonary Vein Isolation Using Electroanatomical Mapping – the INFLAMAP Study*, Journal of Interdisciplinary Medicine, 2018 Martie, Vol 3, Issue 1, 10-15, ISSN 2501-5974
6. Alexandra Stanescu, Imre Benedek, Mirabela Morariu, **Mihaela Ratiu**, Ramona Zavante, Andras Mester, Theodora Benedek – *New Imaging – derived Biomarkers Based on Tridimensional CTA/MRI Hybrid Models for Complex Assessment of Myocardial Viability after Myocardial Infarction – the HYBRIDHEART Study*, Journal of Interdisciplinary Medicine, 2018 Martie, Vol 3, Issue 1, 16-20, ISSN 2501-5974
7. Mirabela Morariu, Lehel Bordi, Diana Opincariu, **Mihaela Ratiu**, Sebastian Condrea, Annabell Benedek, Theodora Benedek – *New Developments in Magnetic Resonance Imaging of Myocardial Diseases – Technical Aspects and Clinical Applications*. Journal of Interdisciplinary Medicine, 2017 Iunie, Vol 2, Issue 1, 140-143 ISSN 2501-5974
8. Alexandra Stanescu, Eliza Hincinschi, Mirabela Morariu, Nora Rat, Lehel Bordi, **Mihaela Ratiu**, Annabell Benedek, Imre Benedek, Theodora Benedek – *Cardiac Computed Tomography Assessment in Accute Coronary Syndromes – Do We Have Time for It in emergency Settings?* Journal of Interdisciplinary Medicine, 2017 Iunie, Vol 2, Issue 2, 140-143 ISSN 2501-5974
9. Mirabela Morariu, Lehel Bordi, Diana Opincariu, **Alexandra Mihaela Ratiu**, Sebastian Condrea, Annabell Benedek, Theodora Benedek - *New Developments in Magnetic Resonance Imaging of Myocardial Diseases – Technical Aspects and Clinical Applications*. Journal of Interdisciplinary Medicine, 2017 Iunie, Vol 2, Issue 1, ISSN 2501-5974
10. **Mihaela Rațiu**, Nora Rat, Sebastian Condrea, Alexandra Stănescu, Diana Opincaru, Andras Mester, Laura Jani, Imre Benedek, Theodora Benedek – *Noninvasive Assessment of Coronary Artery Disease: Fractional Flow Reserve Derived from Coronary Computed Tomography Angiography (FFRCT)*. Journal of Interdisciplinary Medicine, 2016 Iunie, Vol 1, Issue 2, pag 137, ISSN 2501-5974
11. Marius Orzan, Edvin Benedek, Andras Mester, Theodora Benedek, Monica Chițu, Istvan Kovacs, Alexandra Stănescu, **Mihaela Dobra**, Imre Benedek – *Correlations Between the Contrast Density Gradient along the Coronary Stents and Functional Significance of In-stent Restenosis*. Journal of Interdisciplinary Medicine, 2016 Iunie, Vol 1, Issue 1, pag 79, ISSN 2501-5974
12. Iunius Simu, Andrada Treabă, Beata Baroti, **Alexandra Mihaela Rațiu**, Lia Simu, Mariana Tilincă, Patricia Simu, Daniela Podeanu – *Congenital anomalies of the inferior vena cava: Aomputed Tomographic findings in nine cases*. Acta Medica Transilvanica, 2015 Decembrie, Vol 20, Nr 3, pag 42, ISSN 1453-1968
13. Iuliu Moldovan, Tudor Sorin Pop, Klara Brânzaniuc, **Alexandra Mihaela Dobra**, Simona Mureșan – *Aplicațiile ecografiei în diagnosticul și monitorizarea pacienților cu traumatisme musculo-articulare*. Acta Medica Transilvanica, 2013 Septembrie, Vol II, Nr 3, pag 114, ISSN 2285-7079

e) Articole publicate în rezumat

1. **Mihaela Ratiu**, Annabell Benedek, Nora Rat, Emese Marton, Diana Opincariu, Theodora Benedek, Imre Benedek – *Correlations between plaque eccentricity, severity of luminal narrowing and characteristics of plaque vulnerability – a CT-based sub-study of the Plaquelmage Project*, Moderated poster EuroEcho Imaging, 2018 December, Milano

2. Istvan Benedek, Emese Rapolti, Zsuzsanna Jeremias, Nora Rat, Mihaela Ratiu, Theodora Benedek – *Iliac calcium score correlates with iliac intima-media thickness and reflects the severity of peripheral arterial disease. A computed tomographic angiography study*, European Heart Journal, 2018 August, Vol 39, Issue suppl 1
3. **Mihaela Rațiu**, Iunius Simu, Beata Baroti, Daniela Podeanu, Mircea Buruian – *The Role of Computed Tomography in Ectopic Ureter Diagnosis As a Cause of Urinary Incontinence, in a Young Girl*. Acta Medica Marisiensis, 2016 Decembrie, Vol 62, Suppl 8, pag 90, ISSN 2068-3324
4. Iunius Simu, Daniela Podeanu, Andrada Treabă, Lia Simu, Beata Baroti, Patricia Simu, **Mihaela Rațiu** – *CT Findings in a 75 Year Old Female Patient with Hematuria*. Acta Medica Marisiensis, 2016 Decembrie, Vol 62, Suppl 8, pag 90, ISSN 2068-3324
5. **Mihaela Rațiu**, Andrada Treabă, Mircea Buruian – *Correlations between lumbar hypolordosis and the level of lumbar disc herniation in young adults*. Medicina și Științele Interdisciplinare în slujba Omului in Secolul XXI, 2016 Mai, pag 52
6. **Alexandra Mihaela Rațiu**, Sebastian Condrea, Nora Rat, Imre Benedek, Theodora Benedek – *Correlations between Calcium Score and Syntax Score in the complex multislice computed tomographic assessment of coronary artery disease*. Acta Medica Marisiensis, 2015 Decembrie, Vol 61, Suppl 7, pag 16, ISSN 2068-3324
7. Nora Rat, Imre Benedek, **Mihaela Dobra**, Sebastian Condrea, Zsuzsanna Suci, Beata Jako, Theodora Benedek – *Correlations between epicardial fat volume, Syntax Score and Calcium Score in the complex assessment of the severity of coronary artery disease*. Acta Medica Marisiensis, 2015 Decembrie, Vol 61, Suppl 7, pag 20, ISSN 2068-3324
8. Blendea Ciprian, Theodora Benedek, Monica Chițu, Marius Orzan, Balazs Bajka, **Mihaela Dobra**, Imre Benedek – *The Assessment of coronary atherosclerosis by coronary Calcium Score evaluation after therapy with nanoparticles in patients with in-stent restenosis*. Acta Medica Marisiensis, 2015 Decembrie, Vol 61, Suppl 7, pag 29, ISSN 2068-3324
9. **Alexandra Mihaela Rațiu**, Camelia David, Iunius Simu, Daniela Podeanu, Mircea Buruian – *Computed Tomography imaging findings in bilateral psoas abscess*. Acta Medica Marisiensis, 2015 Decembrie, Vol 61, Suppl 8, pag 60, ISSN 2068-3324
10. Iunius Simu, Andrada Treabă, Beata Baroti, **Alexandra Mihaela Rațiu**, Lia Simu, Patricia Simu, Daniela Podeanu – *CT findings in a 6 days old female patient with progressive respiratory distress - case report*. Acta Medica Marisiensis, 2015 Decembrie, Vol 61, Suppl 8, pag 60, ISSN 2068-3324
11. **Alexandra Mihaela Dobra**, Alina Badiu, Andrea Balint, Iulia Bârsan, Mircea Buruian, Gyorgy Muhlfay - *Communication issue – What should the radiologist report before functional endoscopic sinus surgery*. 27th European Congress of Radiology, 2015 Martie, poster
12. Andrea Balint, Beata Baroti, **Alexandra Mihaela Dobra**, Zoltan Pap, Zoltan Pávai, Mircea Buruian - *CT appearance of the developing skull base*. 27th European Congress of Radiology, 2015 Martie, poster
13. Laura Maria Frîncu, **Alexandra Mihaela Dobra**, Adelina Macesanu, Mircea Buruian - *Correlation between imagistic and pathologic findings in cerebral meningioma*. Acta Medica Marisiensis, 2015 Aprilie, Vol 61, Suppl 2, pag 22, ISSN 2068-3324

14. Michele Abbate, Iulia Bârsan, **Alexandra Mihaela Dobra** - *Infant neuroblastoma with a rare presentation*. 8th International Medical Congress for Students and Young Doctors Asklepios, 2015 Mai, pag 21, ISSN 1843-0406
15. Zahrah Mushin, Alina Papp, **Alexandra Mihaela Dobra** - *The impact of CT scan in disseminated intravascular coagulation*. 8th International Medical Congress for Students and Young Doctors Asklepios, 2015 Mai, pag 45, ISSN 1843-0406
16. Alina Papp, Zahrah Mushin, Iulia Bârsan, **Alexandra Mihaela Dobra** - *Meigs syndrome – a rare but important pathology*. 8th International Medical Congress for Students and Young Doctors Asklepios, 2015 Mai, pag 47, ISSN 1843-0406
17. Arpad Soo, **Alexandra Mihaela Dobra** - *Lusoria artery an aortic coarctation – a rare association of vascular malformation*. 8th International Medical Congress for Students and Young Doctors Asklepios, 2015 Mai, pag 54, ISSN 1843-0406
18. Noshewan Bakwa, Florin Sabău, **Alexandra Mihaela Dobra** - *Rare presentation of glioblastoma multiforme concomitant with ischemic stroke*. 8th International Medical Congress for Students and Young Doctors Asklepios, 2015 Mai, pag 62, ISSN 1843-0406
19. Christian Eid, Bogdan Gherman, Iulia Bârsan, **Alexandra Mihaela Dobra** - *Rare case of intramedullary spinal metastases as a manifestation of underlying asymptomatic lung cancer*. 8th International Medical Congress for Students and Young Doctors Asklepios, 2015 Mai, pag 64, ISSN 1843-0406
20. Laura Maria Frîncu, **Alexandra Mihaela Dobra**, Macesanu Adelina, Radu Alexandru Stan - *An overview of Meningiomas: clinical, radiological and surgical aspects* . 8th International Medical Congress for Students and Young Doctors Asklepios, 2015 Mai, pag 35, ISSN 1843-0406
21. Iunius Simu, **Mihaela Dobra**, Ioan Hosu, Sonia Comșa, Lia Simu, Patricia Simu, Andrada Treabă - *CT imaging findings in renal tuberculosis – case report*. Acta Medica Marisiensis, 2014 Decembrie, Vol 60, Suppl 4, pag 129, ISSN 2068-3324
22. Mirela Gliga, **Mihaela Dobra**, Zsuzsanna Szasz, Paula Gliga, Horațiu Moldovan - *The role of ultrasound in the evaluation of incidental renal lesions*. Acta Medica Marisiensis, 2014 Decembrie, Vol 60, Suppl 4, pag 95, ISSN 2068-3324
23. Silviu Morariu, Sonia Ignat, **Mihaela Dobra**, Iudita Badea, Mihai Badea - *Hand-foot-mouth disease in an adult – case report*. Acta Medica Marisiensis, 2014, Decembrie Vol 60, Suppl 4, pag 85, ISSN 2068-3324
24. Iunius Simu, **Mihaela Dobra**, Gabriel Serac, Doina Milutin, Lia Simu, Patricia Simu, Daniela Podeanu - *Giant renal angiomyolipoma in a 53 year old woman: CT findings and preliminary considerations*. Acta Medica Marisiensis, 2014 Decembrie, Vol 60, Suppl 4, pag 129, ISSN 2068-3324
25. Marius Orzan, Theodora Benedek, **Mihaela Dobra**, Andreea Barcan, Edvin Benedek, Imre Benedek - *Correlations between contrast density gradient in coronary computed tomography angiography and functional significance of coronary artery stenosis*. Acta Medica Marisiensis, 2014 Decembrie, Vol 60, Suppl 4, pag 20, ISSN 2068-3324

26. Marius Orzan, Theodora Benedek, Monica Chițu, Istvan Kovacs, Kinga Pal, **Mihaela Dobra**, Imre Benedek - *Correlations between contrast density gradient along the coronary stents and functional significance of in-stent restenosis*. Acta Medica Marisiensis, 2014 Decembrie, Vol 60, Suppl 4, pag 59, ISSN 2068-3324
27. **Alexandra Mihaela Dobra**, Ioana Hălmăciu, Sorin Roșca, Mircea Buruian - *Preliminary study about inferior vena cava malformations: particular aspects and imaging findings*. XIXth Romanian Congress of Radiology and Medical Imaging – 2013 Octombrie
28. Mirela Gliga, **Alexandra Mihaela Dobra**, Zsuzsanna Szasz, Paula Gliga, Iulia Carstea - *Is it worth to perform ultrasound screening for detection of liver lesions?* Acta Medica Marisiensis, 2013 Decembrie, Vol 59, Suppl 4, pag 67, ISSN 2068-3324
29. **Alexandra Mihaela Dobra**, Carmen Chiriac - *Particular aspects of tuberculosis in HIV positive patients*. 6th International Medical Congress for Students and Young Doctors Asklepios, 2013 Aprilie, pag 28, ISSN 1843-0406
30. **Alexandra Mihaela Dobra**, Iulia Bârsan, Karin Horvath - *Acute angle closure glaucoma – ophthalmological emergency*. 5th International Medical Congress for Students and Young Doctors Asklepios, 2012 Mai, pag 31, ISSN 1843-0406
31. Iulia Bârsan, **Alexandra Mihaela Dobra**, Roxana Rudzik, Ildiko Beke, Dan Dobreanu - *Analysis of inappropriate therapies in patients with ICD*. 5th International Medical Congress for Students and Young Doctors Asklepios, 2012 Mai, pag 46, ISSN 1843-0406