



CURRICULUM VITAE

Personal Details

Name, Surname: Alexandra Mihaela Ratiu
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Academic Title: Assistant, MD, PhD
Departament: Radiology and Medical Imaging, ME1

Professional Activity

Specialty: MD Radiology and Medical Imaging, competence in Computed Tomography and Magnetic Resonance Imaging
Medical Unit/Hospital: SC Cardiomed SRL

Research Activity

Research Interest (max. 3 areas of interest): Computed tomography angiography evaluation of coronary artery stenosis, Magnetic resonance imaging in the evaluation of ischemic and nonischemic myocardial lesions

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Published Articles (max. 5 representative papers):

- **Ratiu M**, Chitu M, Benedek I, Benedek T, Kovacs I, Rat N, Rezus C. 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 prospective clinical trial. *Medicine (Baltimore)* 2018; 97(49):e13498. FI: 2,028
- **Ratiu M**, Rat N, Nyulas T, Moldovan G, Rus V, Benedek T, Benedek I. Coronary Plaque Geometry and Thoracic Fat Distribution in Patients with Acute Chest Pain – a CT Angiography Study. *Journal of Cardiovascular Emergencies* 2019; DOI: 10.2478/jce-2019-0001
- **Dobra M**, Bordi L, Nyulas T, Stanescu A, Morariu M, Condrea S, Benedek T. Clinical update. Computed Tomography – an Emerging Tool for Triple Rule-Out in the Emerging Department. A Review. *Journal of Cardiovascular Emergencies* 2017; 3(1): 36-40. DOI: 10.1515/jce-2017-0005
- **Ratiu M**, Rat N, Condrea S, Stanescu A, Opincariu D, Mester A, Jani L, Benedek I, Benedek T. Noninvasive Assessment of Coronary Artery Disease: Fractional Flow Reserve Derived from Coronary Computed Tomography Angiography (FFRCT). *Journal of Interdisciplinary Medicine* 2016; 1(2): 137-141.
- Morariu M, Marton E, Mester A, **Ratiu M**, Benedek I. Association between Acute Inflammatory Response and Infarct Size in STEMI Patients Undergoing Primary PCI. *Journal of Cardiovascular Emergencies* 2018; 4(3): 140-146. DOI: 10.2478/jce-2018-0017

