



CURRICULUM VITAE

Personal details:

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Academic Title: Lecturer

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Areas of interest:

1. Vascular and endovascular surgery
2. Laparoscopic surgery
3. Pathology of carotid atherosclerotic disease

Research activity:

1. Research projects

Individual Scientific Research Grant won in the internal competition of UMFST "G.E. Palade" Târgu Mureș - 2022

Grant Title: Prevention of strokes by identifying blood biomarkers that correlate with histological changes specific to unstable carotid plaques

2. Articles published in extenso

• **Balmoș IA**, Slevin M, Brinzaniuc K, Muresan AV, Suciu H, Molnár GB, Mocian A, Szabó B, Nagy EE, Horváth E. Intraplaque Neovascularization, CD68+ and iNOS2+ Macrophage Infiltrate Intensity Are Associated with Atherothrombosis and Intraplaque Hemorrhage in Severe Carotid Atherosclerosis. Biomedicines. 2023; 11(12):3275. doi: 10.3390/biomedicines11123275. ISSN: 2227-9059, **FI 2023 = 3,9, Q1**





- **Balmos IA**, Horváth E, Brinzaniuc K, Muresan AV, Olah P, Molnár GB, Nagy EE. Inflammation, Microcalcification, and Increased Expression of Osteopontin Are Histological Hallmarks of Plaque Vulnerability in Patients with Advanced Carotid Artery Stenosis. *Biomedicines*. 2023; 11(3):881. doi: 10.3390/biomedicines11030881, ISSN: 2227-9059, **FI 2023 = 3,9, Q1**
- **Balmos IA**, Muresan MG, Brinzaniuc K, Suci H, Horvath E, Kaller R, Banceu K, Muresan AV. Factors That Influence the Occurrence of Acute Postoperative Complications after Carotid Endarterectomy. *Journal of Cardiovascular Emergencies* 2023;9(1):9-16. doi: 10.2478/jce-2023-0003, ISSN: 2457 - 5518, **FI 2023 = 0,6, Q3**
- Muresan M, Suci H, Marian D, Muresan AV, Gabor RM, Neagoe RM, Sala D, Denes M, Muresan S, Melano MI, **Balmos IA**. A single-center prospective study on the efficiency of negative pressure wound therapy versus conventional wound therapy in the postoperative management of devitalized and infected wounds. *Ann Ital Chir*, 2023, 94, 4: 411-418, pii: S0003469X2303052X, ISSN/eISSN: 0003-469X/2239-253X, **FI 2023 = 0,9, Q3**
- Neagoe RM, Mureșan M, Bancu Ș, **Balmos I**, Băișan V, Voidăzan S, Sala D. Results of Laparoscopic Sleeve Gastrectomy-5-Year Follow-Up Study in an Eastern European Emerging Bariatric Center. *Obesity surgery*. 2017; 27(4), 983–989. doi: 10.1007/s11695-016-2407-6, ISSN: 0960-8923, **FI 2017 = 3,895, Q1**

