

## LISTĂ LUCRĂRI

### CONF. DR. SORIN BARAC

1. Work-Related Musculoskeletal Complaints in Surgeons. Rață AL, **Barac S**, Garleanu LL, Onofrei RR. Healthcare (Basel). 2021 Oct 31;9(11):1482. doi: 10.3390/healthcare9111482. PMID: 34828528
2. Narrative Review of Biological Markers in Chronic Limb-Threatening Ischemia. Popescu AI, Rata AL, **Barac S**, Popescu R, Onofrei RR, Vlad C, Vlad D. Biomedicines. 2024 Apr 3;12(4):798. doi: 10.3390/biomedicines12040798. PMID: 38672153
3. miRNA in the Diagnosis and Treatment of Critical Limb Ischemia. Popescu AI, Rață AL, Vlad D, Vlad C, Popescu R, Onofrei RR, Morelli M, Pantea S, **Barac S**. Biomedicines. 2024 Sep 4;12(9):2026. doi: 10.3390/biomedicines12092026. PMID: 39335540
4. Acute Effects of Sedentary Behavior on Ankle Torque Assessed with a Custom-Made Electronic Dynamometer. Dragoi II, Popescu FG, Petrita T, Alexa F, **Barac S**, Bondor CI, Pauncu EA, Bowling FL, Reeves ND, Ionac M. J Clin Med. 2022 Apr 28;11(9):2474. doi: 10.3390/jcm11092474. PMID: 35566600
5. A Signal Processing Method for Assessing Ankle Torque with a Custom-Made Electronic Dynamometer in Participants Affected by Diabetic Peripheral Neuropathy. Dragoi II, Petrita T, Popescu FG, Alexa F, **Barac S**, Bowling FL,

---

Reeves ND, Bondor CI, Ionac M. Sensors (Basel). 2022 Aug 22;22(16):6310. doi: 10.3390/s22166310. PMID: 36016070

6. Role of Reconstructive Microsurgery in Tubal Infertility in Young Women. **Barac S**, Jiga LP, Rata A, Sas I, Onofrei RR, Ionac M. J Clin Med. 2020 May 1;9(5):1300. doi: 10.3390/jcm9051300. PMID: 32370016
7. An In Vivo Observational Histological Study of Peripheral Arterial Damage in Patients with Acute Limb Ischemia in SARS-CoV-2 Infection. **Barac S**, Onofrei RR, Lazureanu C, Barna R, Tutelca A, Rata AL. Diagnostics (Basel). 2022 Feb 14;12(2):488. doi: 10.3390/diagnostics12020488. PMID: 35204579
8. True Brachial Artery Aneurysm in Patients with Previous Arterio-Venous Fistula Ligation and Immunosuppressant Therapy for Renal Transplantation: Case Report and Literature Review. **Barac S**, Rata AL, Popescu AI, Onofrei RR, Chiriac SD. Healthcare (Basel). 2022 Mar 3;10(3):470. doi: 10.3390/healthcare10030470. PMID: 35326948
9. Catheter-Directed Arterial Thrombolysis with a Low-Dose Recombinant Tissue Plasminogen Activator Regimen for Acute Lower Limb Ischemia-Results of the First Regional Registry of Acute Limb Ischemia in Romania. **Barac S**, Onofrei RR, Barbu O, Pantea S, Pleșoianu C, Gîndac C, Timar B, Rață AL. Life (Basel). 2024 Nov 20;14(11):1516. doi: 10.3390/life14111516. PMID: 39598314
10. Contrast-Induced Nephropathy in Endovascular Patients: A Retrospective Cohort Study from a Vascular Surgery Clinic in Eastern Europe. Olariu N, Maralescu FM, Bob F, Grosu ID, Dragota-Pascota R, Marc L, Chisavu L, Albai O, Ratiu IA, **Barac**

**S**, Rață AL, Mzi A, Mihaescu A. J Clin Med. 2025 Feb 11;14(4):1172. doi: 10.3390/jcm14041172. PMID: 40004701

11. Hindpaw withdrawal from a painful thermal stimulus after sciatic nerve compression and decompression in the diabetic rat. **Barac S**, Jiga LP, Barac B, Hoinoiu T, Dellon AL, Ionac M. J Reconstr Microsurg. 2013 Jan;29(1):63-6. doi: 10.1055/s-0032-1328917. Epub 2012 Nov 16. PMID: 23161393
12. The versatility of propeller flaps for lower limb reconstruction in patients with peripheral arterial obstructive disease: initial experience. Jiga LP, **Barac S**, Taranu G, Blidisel A, Dornean V, Nistor A, Stoichitoiu T, Geishauser M, Ionac M. Ann Plast Surg. 2010 Feb;64(2):193-7. doi: 10.1097/SAP.0b013e3181a72f8c. PMID: 20098106
13. An Observational Study on Patients with Acute Limb Ischemia and SARS-CoV-2 Infection: Early and Late Results in Limb Salvage Rate. **Barac S**, Onofrei RR, Neagoe PV, Popescu AI, Pantea S, Rață AL. J Clin Med. 2021 Oct 29;10(21):5083. doi: 10.3390/jcm10215083. PMID: 34768611
14. Chronic Hindlimb Ischemia Assessment; Quantitative Evaluation Using Laser Doppler in a Rodent Model of Surgically Induced Peripheral Arterial Occlusion. Hoinoiu B, Jiga LP, Nistor A, Dornean V, **Barac S**, Miclaus G, Ionac M, Hoinoiu T. Diagnostics (Basel). 2019 Oct 2;9(4):139. doi: 10.3390/diagnostics9040139. PMID: 31581692
15. Induction of therapeutic neoangiogenesis using in vitro-generated endothelial colony-forming cells: an autologous transplantation model in rat. Jiga J, Hoinoiu B,

Stoichituiu T, Dornean V, Nistor A, **Barac S**, Miclaus G, Ionac M, Paunescu V, Ursoniu S, Jiga LP. J Surg Res. 2013 May;181(2):359-68. doi: 10.1016/j.jss.2012.06.059. Epub 2012 Jul 7. PMID: 22818979

16. Is Global Limb Anatomic Staging System Classification a Useful Tool in Predicting Lower Limb Revascularization Procedures' Success? Rata AL, Khazaleh NA, Sirca S, Pîrvu CA, Furdui A, Rizea E, **Barac S**. Diseases. 2025 Feb 20;13(3):63. doi: 10.3390/diseases13030063. PMID: 40136603
17. [Accessory renal allotransplantation with internal or external urinary drainage. An experimental model in pig]. Jiga LP, Blidișel A, Dindelegan G, Hoinoiu B, Neamțu C, Matusz P, **Barac S**, Scurtu R, Precup C, Cocu S, Biro A, Jiga J, Heredea R, Dima S, Romanescu D, Ionac M, Popescus I. Chirurgia (Bucur). 2010 Jul-Aug;105(4):485-91. PMID: 20941970 Romanian.
18. [The first NOTE (Natural Orifice Translumenal Endoscopic) cholecystectomy in Romania: an experimental model in pig]. Străin M, Chișevescu D, Blaj S, Hoinoiu B, **Barac S**, Jiga L, Neamțu C, Lazăr F, Ionac M. Chirurgia (Bucur). 2009 Mar-Apr;104(2):173-9. PMID: 19499660 Romanian.
19. Comparative Investigation on Polymer Drug-coating Balloons Used in Infrapopliteal Angioplasty Based on Angiosomes Concept. Popitui M, **Barac S**, Borcan F, Clerici G Rata A. MATERIALE PLASTICE. 2022 JUN 59; 2 (183-193). DOI: 10.37358/MP.22.2.5597. WOS:000831634900011. eISSN: 2668-8220.