



Listă de lucrări

As. Univ. Dr. **Laura Iulia Bărcuțean**

Universitatea de Medicină, Farmacie, Științe și Tehnologie „G.E. Palade” din Târgu Mureș,
Facultatea de Medicină în Limba Engleză, Disciplina de Neurologie

I. Teza de doctorat:

2019 - Heterogenitatea răspunsului imun și evoluția clinică a pacienților cu scleroză multiplă tratați cu interferon beta pe o perioadă de peste o decadă”

Coordonator prof. dr. Rodica Bălașa

Calificativ: Summa cum laude

II. Lucrare de dizertație

Masterat în Biostatistică și Bioinformatică, Universitatea de Medicină și Farmacie „Iuliu Hațieganu” Cluj-Napoca

2023 - Analiza multivariată a factorilor prognostici clinici asociați progresiei bolii la pacienții cu scleroză multiplă”

Coordonator conf. dr. Mihaela Georgeta Iancu

III. Cărți

- 1. Patologia Neurologică – Cazuri Clinice** (CIP: Rodica Bălașa, Anca Moțățăianu, **Laura Bărcuțean**, ..., University Press, 2019), ISBN: 978-973-169-617-1
- 2. Îngrijirea Medicală în Boli Neurologice – Curs pentru Asistenți Medicali** (CIP: Anca Moțățăianu, **Laura Bărcuțean**, Smaranda Maier, ..., University Press, 2019), ISBN: 978-973-169-618-8.
- 3. Curs de Neurologie pentru Medicina Dentară** (CIP: Zoltan Bajko, Rodica Bălașa, **Laura Bărcuțean**, ..., University Press, 2021), ISBN: 978-973-169-740-6.
- 4. Scleroza Multiplă** (CIP: Rodica Bălașa, Smaranda Maier, **Laura Bărcuțean**, University Press, 2024), ISBN: 978-973-169-857-1.



IV. Articole indexate ISI cu FI

IV.1. Prim autor/autor principal

1. Motataianu A, **Barcutean L***, Ormenisan I, Roman M, Balasa R, Bajko Z, Dumitreasa M. Clinical and Paraclinical Predictors of Survival in Amyotrophic Lateral Sclerosis: Results from a Three-Year Longitudinal Cohort Study. *Med Sci.* 2025;13:170. **IF: 4.4. Q1** [[Link](#)]
2. Farczadi L, **Barcutean L***, Maier S, Balasa R, Imre S. Development and Validation of a New LC-MS/MS Method for the Assay of Plasmatic Peripheral Short- and Medium-Chain Fatty Acids for Metabolomics Applications. *Metabolites.* 2025 Jun 16;15(6):403. **IF: 3.7. Q2** [[Link](#)]
3. **Barcutean L**, Maier S, Burai-Patrasu M, Farczadi L, Balasa R. The Immunomodulatory Potential of Short-Chain Fatty Acids in Multiple Sclerosis. *Int J Mol Sci.* 2024 Mar 11;25(6):3198. **IF: 4.9. Q1.** Citations: 29. [[Link](#)]
4. **Barcutean L**, Maier S, Bajko Z, Stoian A, Mosora O, Sarmasan E, Manescu IB, Balasa R. Long-Term Disability Outcomes in Relapsing-Remitting Multiple Sclerosis Patients: Impact of Clinical and Demographic Factors on Disease Progression. *J Clin Med.* 2024 Mar 21;13(6):1813. **IF: 2.9. Q1.** Citations: 1. [[Link](#)]
5. **Barcutean L**, Farczadi L, Manescu IB, Imre S, Maier S, Balasa R. Short and Medium Chain Fatty Acids in a Cohort of Naïve Multiple Sclerosis Patients: Pre- and Post-Interferon Beta Treatment Assessment. *Biologics.* 2024 Nov 15;18:349-361. **IF: 3.4. Q2.** Citations: 1. [[Link](#)]
6. **Barcutean L**, Hutanu A, Andone S, Maier S, Balasa R. The peripheral profile of the chitinase 3-like-1 in benign multiple sclerosis - a single centre's experience. *CNS Neurol Disord Drug Targets.* 2023 Jun 9. **IF: 2.7. Q3.** [[Link](#)]
7. Manu DR, Slevin M, **Barcutean L***, Forro T, Boghitou T, Balasa R. Astrocyte Involvement in Blood-Brain Barrier Function: A Critical Update Highlighting Novel, Complex, Neurovascular Interactions. *Int J Mol Sci.* 2023 Dec 5;24(24):17146. **IF: 4.9. Q1.** Citations: 90. [[Link](#)]
8. Parau D, Todoran AB, **Barcutean L***, Avram C, Balasa R. The Benefits of Combining Bobath and Vojta Therapies in Infants with Motor Development Impairment-A Pilot Study. *Medicina (Kaunas).* 2023 Oct 23;59(10):1883. doi: 10.3390/medicina59101883. **IF: 2.4. Q1.** Citations: 4. [[Link](#)]
9. Maier S, **Barcutean L***, Andone S, Manu D, Sarmasan E, Bajko Z, Balasa R. Recent Progress in the Identification of Early Transition Biomarkers from Relapsing-Remitting to Progressive Multiple Sclerosis. *IJMS.* 2023;24:4375. **IF: 4.9. Q1.** Citations: 8. [[Link](#)]
10. Motataianu A, **Barcutean L***, Bajko Z, Stoian A, Maier S, Voidazan S, Balasa R. Autonomic and Somatic Nerve functions in type 2 diabetes mellitus patients: electrophysiological aspects. *Diagnostics.* 2021;11:2005. **IF: 3.992. Q2.** Citations: 7. [[Link](#)]



11. Balasa R, **Barcutean L***, Mosora O, Manu D. Reviewing the Significance of Blood–Brain Barrier Disruption in Multiple Sclerosis Pathology and Treatment. *Int J Mol Sci.* 2021;22:8370. **IF: 6.2.** Q1. Citations: 111. [\[Link\]](#)
12. Moțățăianu A, **Bărcuțean L***, Bălașa R. Neuroimmunity in amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration.* 2020, 0: 1-8. DOI: 10.1080/21678421.2019.1708949. **IF: 4.09. Q2.** Citations: 15. [\[Link\]](#)
13. **Bărcuțean LI**, Romaniuc A, Maier S, Bajkó Z, Moțățăianu A, Huțanu A, Simu I, Andone S, Bălașa R. Clinical and serological biomarkers of treatment’s response in patients treated continuously with interferon β -1b for more than a decade. *CNS Neurol Disord Drug-Targets* 2018; 17: 720-792. **FI: 2.084.** Citations: 15. [\[Link\]](#)
14. Bălașa R, Simu M, Voidăzan S, **Bărcuțean LI**, Bajko Z, Huțanu A, Simu I, Maier S. Natalizumab changes the peripheral profile of the Th17 panel in MS patients: New mechanisms of action. *CNS Neurol Disord Drug-Targets* 2017; 16: ISSN: 1018-1026. **FI: 2.188.** Citations: 24. [\[Link\]](#)

IV.2. Co-autor

1. Mosora O, Maier S, Manu D, **Bărcuțean L**, Roman M, Dumitreasă M, Bălașa R. Exosomal microRNAs as Early Transition Biomarkers from Recurrent-Remissive to Secondary Progressive Multiple Sclerosis. *Int J Mol Sci.* 2025 Apr 20;26(8):3889. **IF: 4.9. Q1.** Citations: 1. [\[Link\]](#)
2. Mănescu IB, Mănescu M, Bărcuțean LI, Demian L, Dobreanu M. Short-Term Atorvastatin Therapy in Healthy Individuals Results in Unaltered Plasma MMP Levels and Disrupted MMP-7 Correlation with Blood Lipids and Blood Count-Derived Inflammatory Markers. *J Clin Med.* 2024 Aug 13;13(16):4743. **IF: 2.9. Q1.** Citations: 1. [\[Link\]](#)
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4. Motataianu A, Manescu IB, Serban G, Barcutean L, Ion V, Balasa R, Andone S. Exploring the role of metabolic hormones in Amyotrophic Lateral Sclerosis, *IJMS.* 2024,25(10),5059. **IF: 4.9. Q1.** Citations: 5. [\[Link\]](#)
5. Maier S, Bajkó Z, Roșescu R, Bărcuțean L, Sărmășan E, Voidăzan S, Bălașa R. Sociodemographic and Clinical Determinants of Fatigue in Multiple Sclerosis. *Life (Basel).* 2023 Oct 29;13(11):2132. **IF: 3.2. Q1.** Citations: 8. [\[Link\]](#)
6. Andone S, Farczadi L, Imre S, Bajko S, Motataianu A, Maier S, Barcutean L, Balasa R. Serum Fatty Acids Are Associated with a Higher Risk of Ischemic Stroke. *Nutrients.* 2023; 15:585. **IF: 4.8. Q1.** Citations: 5. [\[Link\]](#)



7. Motataianu A, Serban G, Barcutean L, Balasa R. Oxidative Stress in Amyotrophic Lateral Sclerosis: Synergy of Genetic and Environmental Factors. *IJMS*. 2022; 23:9339. **IF: 5.6. Q1.** Citations: 44. [\[Link\]](#)
8. Stoian A, Stoian M, Bajko Z, Maier S, Andone S, Cioflinc RA, Motataianu A, Barcutean L, Balasa R. Autoimmune encephalitis in COVID-19 infection: Our experience and systematic review of the literature. *Biomedicines*. 2022;25:774. **IF 4.7. Q2.** Citations: 28. [\[Link\]](#)
9. Andone S, Bajko Z, Motataianu A, Maier S, Barcutean L, Balasa R. Neuroprotection in Stroke – Focus on the renin-angiotensin system: a systematic review. *IJMS*. 2022;23:3876. **IF: 5.6. Q1.** Citations: 11. [\[Link\]](#)
10. Dobreanu M, Manu DR, Manescu IB, Gabor MR, Hutanu A, Barcutean L, Balasa R. Treatment With Cladribine Selects IFN γ +IL17+ T Cells in RRMS Patients - An In Vitro Study. *Front Immunol*. 2021;12:743010. **IF: 8.787. Q1.** Citations: 3. [\[Link\]](#)
11. Bajko Z, Motataianu A, Stoian A, Barcutean L, Andone S, Maier S, Draghici IA, Cioban A, Balasa R. Prevalence and clinical characteristics of subclavian steal phenomenon/syndrome in patients with acute ischemic stroke. *J Clin Med*. 2021;10:5237. **IF:4.96. Q2.** Citations: 7. [\[Link\]](#)
12. Stoian A, Bajko Z, Maier S, Cioflinc RA, Grigorescu BL, Motataianu A, **Barcutean L**, Balasa R, Stoian M. High-dose intravenous immunoglobulins as a therapeutic option in critical illness polyneuropathy accompanying SARS-CoV-2 infection: A case-based review of the literature (Review). *Experimental and Therapeutic medicine*, 2021;1182. **IF: 2.785. Q3.** Citations: 14. [\[Link\]](#)
13. Bajko Z, Balasa R, Maier S, Motataianu A, **Barcutean L**, Andone S, Stoian A, Filep RC. Stroke secondary to giant-cell arteritis: A literature review. *Exp Ther Med*. 2021 Aug;22(2):876. **IF: 2.75. Q3.** Citations: 20. [\[Link\]](#)
14. Bajko Z, Motataianu A, Stoian A, **Barcutean L**, Andone Sebastian, Maier S, Draghici IA, Cioban A, Balasa R. Gender Differences in Risk Factor Profile and Clinical Characteristics in 89 Consecutive Cases of Cerebral Venous Thrombosis. *J Clin Med*. 2021;30;1382. DOI: 10.3390/jcm10071382. **FI: 4.96. Q2.** Citations: 11. [\[Link\]](#)
15. Bajko Z, Motataianu A, Stoian A, **Barcutean L**, Andone S, Maier S, Draghici IA, Balasa R. Post-partum cerebral venous thrombosis – a single center experience. *Brain Sciences*. 2021;11:1-9. DOI: 10.3390/brainsci11030327. **FI: 3.332. Q2.** Citations: 8. [\[Link\]](#)
16. Maier S, Simu M, Hutanu A, **Barcutean L**, Voidazan S, Bajko Z, Motataianu A, Lata I, Balasa R. Clinical immunological correlations in patients with multiple sclerosis treated with natalizumab. *Brain sciences*. 2020;10:1-11. DOI: 10.3390/brainsci10110802. **FI: 3.332. Q3.** Citations: 3. [\[Link\]](#)



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18. Stoian A, Motataianu A, **Barcutean L**, Maier S, Bajko Z, Voidazan S, Farcas A, Balasa R. Understanding the mechanism of action of intravenous Immunoglobulins: a ten years experience in treating Guillain barré syndrome. Farmacia. 2020;68:426-435. DOI: 10.31925/farmacia.2020.3.7. **FI: 1.43. Q4.** Citations: 11. [[Link](#)]
19. Balasa R, Barcutean L, Balasa A, Motataianu A, Roman-Filip C, Manu D. The action of TH17 cells on blood brain barrier in multiple sclerosis and experimental autoimmune encephalomyelitis. Human Immunology. 2020;81:273-243. DOI: 10.1016/j.humimm.2020.02.009. **IF: 2.85. Q3.** Citations: 75. [[Link](#)]
20. Romaniuc A, Bălașa R, Știrbu N, Maier S, Andone S, Bajko Z, **Bărcuțean L**, Voidăzan S, Moțățăianu A. The Main Determinants for Suicidal Ideation in a Romanian Cohort of Multiple Sclerosis Patients. Behavioural Neurology. 2020, Article ID 2594702, DOI: 10.1155/2020/2594702. **FI: 3.34. Q2.** Citations: 7. [[Link](#)]
21. Maier S, Moțățăianu A, **Bărcuțean L**, Balint A, Huțanu A, Bajko Z, Stoian A, Romaniuc A, Andone S, Bălașa R. Interferon- β 1a, an immunomodulator in relapsing remitting multiple sclerosis patients. The effect on pro-inflammatory cytokines. Farmacia 2020, 68 (1). DOI:10.31925/farmacia.2020.1.10, **FI: 1.43. Q4.** Citations: 13. [[Link](#)]
22. Bălașa R, Maier S, **Bărcuțean L**, Stoian A, Moțățăianu A. The direct deleterious effect of Th17 cells in the nervous system compartment in multiple sclerosis and experimental autoimmune encephalomyelitis: one possible link between neuroinflammation and neurodegeneration. Revista Română de Medicină de Laborator 2020, 28 (1), DOI:10.2478/rrlm-2020-0005. **FI: 0.49. Q4.** Citations: 12. [[Link](#)]
23. Motataianu A, Maier MS, Chinezu L, Barcutean LI, Voidazan TS, Bajko Z, Balasa AF. Malignant Melanoma – the most severe skin cancer and neurological pathology. Rom J Morphol Embryol. 2019;60(4):1207-1214. **IF 0.88. Q4.** Citations: 5. [[Link](#)]
24. Stoian A, Horling L, Schiopu A, Barcutean LI, Stoian M, Crauciuc GA, Motaianu A. Influence of GSTM1, GSTT1 and GSTP1 gene polymorphisms on the appearance of microalbuminuria in type 2 diabetes mellitus patients. RRML. 2016; 24:440-443. **IF 0.2. Q4.** [[Link](#)].

V. Articole indexate ISI fără FI/BDI

VI.1. Autor principal/prim-autor

1. Mosora O, **Barcutean L***, Balasa R, Fodor R, Maier S, Bajko Z, Stoian A, Motataianu A. Severe Acute Motor Axonal Neuropathy associated with Influenza-A(H1N1)Infection and Prolonged Respiratory Failure - A Case Report. J Crit Care Med. 2021 Nov 6;7:302-307. [[Link](#)]



2. Motataianu A, **Barcutean LI***, Maier Smaranda, Balasa Adrian, Stoian A. Cardiac Autonomic Neuropathy in Diabetes Mellitus Patients – Are We Aware of the Consequences? Acta Medica Marisiensis. 2020;1:3-8.
3. Motataianu A, **Barcutean L***, Gherman I, Maier S, Bajko Z, Balasa A. Cerebellar and brainstem infarction secondary to basilar artery dolichoectasia. Ro J Neurol. 2019; 18(4)
4. **Barcutean LI**, Maier S, Bajko Z, Motataianu A, Romaniuc A, Andone SR, Balasa RI. Interferon Beta-1b for the Treatment of Multiple Sclerosis – More than 10 Years of Experience. Acta Medica Marisiensis. 2019;65:12-18.

VI.2. Co-autor

5. Bajkó Z, Bălașa R, Moțățăianu A, **Bărcuțean L**, Stoian A, Stirbu N, Maier S. Malignant Middle Cerebral Artery Infarction Secondary to Traumatic Bilateral Internal Carotid Artery Dissection. A Case Report. J Crit Care Med (Targu Mures). 2016 Aug 10;2(3):135-141. Citations: 9.
6. Drăghici IA, Marginean L, Filep RC, Bajko Z, **Barcutean L**, Aldea T, Balasa R. Postpartum Acute Basilar Artery Occlusion Secondary to Vertebral Artery Dissection. Case Report and Literature Review. J Crit Care Med (Targu Mures). 2021 Nov 6;7(4):294-301. doi: 10.2478/jccm-2021-0015. [\[Link\]](#)
7. Andone S, Balasa R, **Barcutean L**, Bajko Z, Ion V, Motataianu A, Stoian A, Maier S. Contrast Medium-Induced Encephalopathy After Coronary Angiography- Case Report. J Crit Care Med (Targu Mures). 2021 May 12;7(2):145-149. [\[Link\]](#)
8. Motataianu A, Maier S, Andone S, **Barcutean L**, Serban G, Bajko Z, Balasa A. Ischemic Stroke in Patients with Cancer: a Retrospective Cross-Sectional Study. J Crit Care Med (Targu Mures). 2021 Jan 29;7(1):54-61. [\[Link\]](#)
9. Bajko Z, Maier S, Motataianu A, Stoian A, **Barcutean L**, Balasa R. Repetitive Transient Ischaemic Attacks Secondary to a Floating Carotid Artery Thrombus in a Young Patient with Essential Thrombocythemia. Journal of Cardiovascular Emergencies. 2016; 2:188-191.



VI.3 Lucrări publicate în rezumat indexate ISI

1. **Barcutean L**, Maier S, Manescu B, Balasa R. Brain-derived neurotrophic factor and progression in multiple sclerosis. EPV-646. European Journal of Neurology. 31;2024:71.
2. Motataianu A, Manescu B, **Barcutean L**, Andone S. The relation between disease progression in amyotrophic lateral sclerosis and metabolic biomarkers. EPR- 141 European Journal of Neurology. 31;2024:86.
3. Balasa R, Hutanu A, Pure D, Voidazan S, **Barcutean L**, Maier S. The expression of matrix metalloproteinase peripheral profile in multiple sclerosis patients treated with natalizumab: Possible additional mechanisms of natalizumab action. European Journal of Neurology; 24:190-190 (S1); Meeting abstract EP1134. 3rd Congress of the European-Academy-of-Neurology
4. Maier S, Balasa R, Bajko Z, **Barcutean L**, Voidazan S, Maier A, Motataianu A, Stirbu N. The risk factors for suicidal ideation in a Romanian cohort of multiple sclerosis patients. Multiple Sclerosis Journal. 2016; 22:766-767; Meeting Abstract EP1468. 32nd Congress of the European-Committee-for-Treatment-and-Research-in-Multiple-Sclerosis (ECTRIMS)
5. Maier MS, Bajko Z, **Barcutean L**, Voidazan S, Balasa R. The effects of smoking on clinical evolution of multiple sclerosis patients treated with first line DMTs. European Journal of Neurology. 2016; 318-318; Meeting Abstract: P12137.

VI.4. Lucrări publicate în rezumat in volum cu ISSN

2015 - A VIII-a conferința a studenților doctoranzi, zilele UMF, 7-11 dec 2015 (ISSN-L 2068-3324)

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3. Bajko Z, Maier S, Motataianu A, Rusu S, Stoian A, **Barcutean L**, Balasa R. Giant internal carotid artery aneurysm causing Collet-Sicard syndrome. Rom J Neur. 2016;XV:56.
4. Schiopu-Mariean B, Maier S, Stirbu N, **Barcutean L**, Balasa A, Balasa R. Primary intracerebral malignant melanoma with leptomeningeal “spinal drop” metastases. Case report. Rom J Neur. 2016;XV:56.
5. Stirbu N, **Barcutean L**, Schiopu B, Stoian A, Maier S, Balasa R. Neurological manifestations in a fatal case of celiac disease. Case presentation. Rom J Neur. 2016;XV:57.



6. **Barcutean L**, Maier S, Motataianu A, Schoopu B, Stirbu N, Stoian A, Balasa R. Long-time experience using interferon beta-1b for the treatment of multiple sclerosis. Rom J Neur. 2016;XV:55.
7. Maier S, Stirbu N, Bajko Z, Motataianu A, **Barcutean L**, Balasa R. Lyme disease presenting as Bannwarth syndrome. Case report. Rom J Neur. 2016;XV:91.777

2017 - Al XV Congres al Societății Române de Neurologie,, București, 10-13 Mai 2017 (ISSN 1843-8148)

- . Andone S, Macavei I, Bajko Z, Maier S, Motataianu A, Stoian A, **Barcutean L**, Albu C, Habas N, Balasa R. Creutzfeld-Jakob's disease – case presentation. Rom J Neur. 2017;XVI:49
- . **Barcutean L**, Bajko Z, Motataianu A, Maier S, Stoian A, Romaniuc A, Tohanean N, Balasa R. Clinical impact upon disability progression in multiple sclerosis patients treated with interferon beta – over a decade of experience. Rom J Neur. 2017;XVI:53.
- . Suciuc T, Stoian A, Coroeanu A, Moldovan E, **Barcutean L**, Bajko Z, Maier S, Balasa R. Amyloid neuropathy – case presentation. Rom J Neur. 2017;XVI:84.
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- . Vasiliu S, Bajko Z, Maier S, Motataianu A, **Barcutean L**, Stoian A, Coroeanu A, Andone S, Balasa R. Traumatic internal carotid artery dissection – case presentation. Rom J Neur. 2017;XVI:85.

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- . Andone S, Bajko Z, Romaniuc A, Motataianu A, Stoian A, Maier S, **Barcutean L**, Balasa R. Cerebral infarction in the posterior limb of the internal capsule, the first clinical manifestation of systemic lupus erythematosus – case presentation. Rom J Neur. 2018;XVII:30.
- . Romaniuc A, Maier S, Andone S, Toma L, Buruiian M, Liptak L, **Barcutean L**, Balasa R. The pitfalls in diagnosing acute hemiparesis – a case report. Rom J Neur. 2018;XVII:78.

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15. **Barcutean L**, Maier S, Bajko Z, Motataianu A, And one S, Romaniuc A, Balasa R. Clinical biomarkers in the evolution of multiple sclerosis treated with interferon beta-1b – benign multiple sclerosis or good treatment responders. Rom J Neur. 2019;XVIII:28.
16. Maier S, Romaniuc A, Bajko Z, Motataianu A, Stoian A, **Barcutean L**, Balasa R. Main determinants of quality of life in multiple sclerosis patients. Rom J Neur. 2019;XVIII:31.
17. Albu S, **Barcutean L**, Ichim M, Copotoiu M, Chirtes I, Balasa R. An atypical case of pyomyositis following a relapse in a multiple sclerosis patient – case report. Rom J Neur.XVIII:35.2



18. Andone S, Bajko Z, Romaniuc A, Motataianu A, Maier S, **Barcutean L**, Balasa R. Wake-up stroke at a 24 years old patient treated succesful with thrombectomy according to DAWN criteria. Rom J Neur. 2019;XVIII:36.
19. Bajko Z, Macavei I, Maier S, Motataianu A, **Barcutean L**, Stoian A, Andone S, Romaniuc A, Balasa R. Spontaneous multiple cervical artery dissection: case report. Rom J Neur. 2019;XVIII:37.
20. **Barcutean L**, Maier S, Bajko Z, Albu S, Stoian A, Balasa R. A myriad of psychiatric symptoms with an etiology hidden in auto-immunity – limbic encephalitis with positive voltage-gated potassium channel antibodies. Rom J Neur. 2019;XVIII:38.
21. Gherman I, Bajko Z, Motataianu A, Gothard A, **Barcutean L**, Marginean L, Balasa R. Acute basilar artery occlusion secondary to intracardiac thrombus successfully treated with thrombectomy in a 20 years-old male. Rom J Neur. 2019;XVIII:45.
22. Motataianu A, Gherman I, **Barcutean L**, Bajko Z, Maier S, Stoian A, Balasa R. Pontine cavernoma presenting with consecutive hemorrhage and ischemic stroke in the brainstem – case report. Rom J Neur. 2019;XVIII:47.
23. Romaniuc A, Maier S, Bajko Z, Motataianu A, Farcas AM, Stoian A, Andone S, **Barcutean L**, Balasa R. Posterior reversible encephalopathy syndrome (PRES) associated with eclampsia and pre-eclampsia: case series. Rom J Neur. 2019;XVIII:51.
24. Stoian A, Motataianu A, Bajko Z, Andone S, Maier S, **Barcutean L**, Balasa R. A fatal case of chronic inflammatory demyelinating polyneuropathy with an atypical onset and recurrence – case report. Rom J Neur. 2019;XVIII:52.
25. Stoian A, Motataianu A, Bajko Z, Andone S, Maier S, **Barcutean L**, Balasa R. Different neurological manifestations of Lyme disease – two case reports. Rom J Neur. 2019;XVIII:53.

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26. **Barcutean L**, Maier S, Motataianu A, Bajko Z, Stoian A, Balasa R. Benign multiple sclerosis – a theoretical concept or reality? Book of Abstracts 2020;3:18.
27. Maier S, **Barcutean L**, Voidazan S, Bajko Z, Motataianu A, Stoian A, Balasa R. Assessing the determinant factors for fatigue in multiple sclerosis patients. Book of Abstracts 2020;3:18.
28. Andone S, Stoian A, Maier S, **Barcutean L**, Balasa R. Therapeutic plasma exchange in progressive multifocal leukoencephalopathy related to therapy with natalizumab. Book of Abstracts 2020;3:69.

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29. Bajko Z, Maier S, Motataianu A, **Barcutean L**, Balasa R. Direct oral anticoagulants in the treatment of cerebral venous thrombosis. Book of abstracts 2021;4:39.



30. Maier S, Bajko Z, Motataianu A, **Barcutean L**, Stoian A, Andone S, Balasa R. Rare oligodendropathy caused by John Cunningham virus in multiple sclerosis patients treated with natalizumab: the experience of Targu Mures Regional center. Book of abstracts 2021;4:40.

31. **Barcutean L**, Maier S, Bajko Z, Andone S, Balasa R. Gut-brain axis dysregulations implications in multiple sclerosis. Book of abstracts 2021;4:40.

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