

LISTA LUCRĂRILOR ȘTIINȚIFICE DE SPECIALITATE

**I. LUCRĂRI RELEVANTE PENTRU DOMENIUL DISCIPLINEI POSTULUI**

1. **Maier S**, Barcutean L, Andone S, Manu D, Sarvasan E, Bajko Z, Balasa R. *Recent Progress in the Identification of Early Transition Biomarkers from Relapsing-Remitting to Progressive Multiple Sclerosis*. Int J Mol Sci. 2023 Feb 22;24(5):4375. doi: 10.3390/ijms24054375, ISSN: 1422-0067, FI: 4.9, **Q1**
2. Balasa R, **Maier S**, Hutanu A, Voidazan S, Andone S, Oiaga M, Manu D. *Cytokine Secretion Dynamics of Isolated PBMC after Cladribine Exposure in RRMS Patients*. Int J Mol Sci. 2022 Sep 6;23(18):10262. doi: 10.3390/ijms231810262. ISSN: 1422-0067, FI: 5.6, **Q1**, autor corespondent
3. **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. doi: 10.3390/life13112132, ISSN: 2075-1729, FI: 3.2, **Q2**
4. Barcutean L, **Maier S**, Burai-Patrascu 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. doi: 10.3390/ijms25063198, ISSN: 1422-0067, FI: 4.9, **Q1**, autor corespondent
5. Barcutean L, **Maier S**, Bajko Z, Stoian A, Mosora O, Sarvasan 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. doi: 10.3390/jcm13061813, ISSN: 2077-0383, FI: 3.0, **Q2**, autor corespondent
6. **Smaranda Maier**, Mihaela Simu, Adina Hutanu, Laura Barcutean, Septimiu Voidazan, Zoltan Bajko, Anca Motataianu, Irina Lata, Rodica Balasa. *Clinical Immunological Correlations in Patients with Multiple Sclerosis Treated with Natalizumab*. Brain Sci. 2020 Oct 30;10(11):802. doi: 10.3390/brainsci10110802. ISSN: 2076-3425, FI: 3.394, **Q3**
7. **Maier S**, Buruiian M, Maier A, Moțățaianu A, Voidăzan S, Bajkó Z, Bălașa R. *The determinants of depression in a Romanian cohort of multiple sclerosis patients*. Acta Neurol Belg. 2016 Jun;116(2):135-43. doi: 10.1007/s13760-015-0547-4. ISSN: 0300-9009, FI: 1.722, **Q3**
8. Balasa R, Ciurba B, Voidezan S, Simu I, Hutanu A, Andone S, Romaniuc A, Motataianu A, **Maier S**. *The matrix metalloproteinases panel in multiple sclerosis patients treated with Natalizumab: A possible answer to Natalizumab non-responders*. CNS Neurol Disord Drug Targets. 2018 Jul 2. doi: 10.2174/1871527317666180703102536. eISSN 1996-3181, ISSN 1871-5273, FI: 2.761, **Q3**
9. Bălașa RI, Mihaela S, Voidăzan S, Bărcuțean LI, Bajko Z, Huțanu , Simu I, **Maier S**. *Natalizumab Changes The Peripheral Profile of Th17 Panel in MS Patients: New Mechanisms of action*. CNS Neurol Disord Drug Target 2017; 16(9):1018-1026 doi: 10.2174/1871527316666170807130632. eISSN 1996-3181, ISSN 1871-5273, FI: 2.084, **Q3**.
10. Balasa R, **Maier S**, Voidazan S, Hutanu A, Bajko Z, Motataianu A. *An Intricate Mechanism of Action of Avonex in Relapsing Remitting Multiple Sclerosis Patients: Variation of Serum Titre of Interleukin-17A, Interleukin-10 and Transforming Growth Factor-β*. CNS Neurol Disord Drug Targets. 2015; 14(6):804-810. ISSN: 1871-5273, FI: 2.188, **Q3**, autor corespondent

## II. TEZA DE DOCTORAT

**Smaranda Maria Maier.** *Evaluarea imagistică, imunologică și neuropsihiatrică a pacienților cu scleroză multiplă tratați cu Disease modifying therapy.* Anul 2015.

Conducător științific: Prof. Dr. Mircea Buruian.

Universitatea de Medicină și Farmacie Târgu Mureș, Facultatea de Medicină

Calificativul obținut: „Excelent”.

## III. CĂRȚI DE SPECIALITATE-AUTOR.

1. Bălașa R, **Maier S**, Bărcuțean L. *Scleroza multiplă*. Editura University Press Târgu Mureș, 2024, 440 pg, ISBN 978-973-169-857-1, cod CNCSIS 210
2. Bălașa R, **Maier S**, Moțățaianu A, Bajkó Z, Bălașa A. *Curs de neuroreabilitare*. Editura University Press Târgu Mureș, 2014, 178 pg, ISBN 978-973-297-5, cod CNCSIS 210.
3. Bălașa R, Moțățaianu A, **Maier S**, Bărcuțean L, Bajko Z, Romaniuc A, Andone S. *Patologia neurologică cazuri clinice*. Editura University Press Târgu Mureș, 2019, 151 pg, ISBN 978-973-169-617-1, cod CNCSIS 210
4. Moțățaianu A, Bărcuțean L, **Maier S**, Bălașa A, Mosora O, Fărcaș A. *Îngrijirea medicală în boli neurologice-curs pentru asistenți medicali*. Editura University Press Târgu Mureș, 2019, 152 pg, ISBN 978-973-169-618-8, cod CNCSIS 210
5. Bajko Z, Bălașa R, Bărcuțean L, Stoian A, **Maier S**, Moțățaianu A, Andone S. *Curs de neurologie pentru medicină dentară*. Editura University Press Târgu Mureș, 2021, 200 pg, ISBN 978-973-169-740-6, cod CNCSIS 210.

## IV. LUCRĂRI ȘTIINȚIFICE DE SPECIALITATE PUBLICATE ÎN EXTENSO ÎN REVISTE INDEXATE ISI CU FACTOR DE IMPACT

### A. AUTOR PRINCIPAL

a. Articole publicate în extenso în reviste indexate ISI cu factor de impact de la ultima promovare:

1. Barcutean L, **Maier S**, Burai-Patrascu 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, doi: 10.3390/ijms25063198, ISSN: 1422-0067, FI: 4.9, **Q1**, autor corespondent
2. Barcutean L, **Maier S**, Bajko Z, Stoian A, Mosora O, Sarvasan 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. doi: 10.3390/jcm13061813, ISSN: 2077-0383, FI: 3.0, **Q2**, autor corespondent.



3. **Maier S**, Huțanu A, Bărcuțean L, Sărmășan E, Bălașa R. *Assessment of ocrelizumab impact on neurofilament levels in multiple sclerosis patients*. Rev Romana Med Lab. 2024;32(3):245-54. DOI:10.2478/rrlm-2024-0019, ISSN online: 2284-5623, FI: 0.5, **Q4**
4. **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. doi: 10.3390/life13112132, ISSN: 2075-1729, FI: 3.2, **Q2**
5. **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*. Int J Mol Sci. 2023 Feb 22;24(5):4375. doi: 10.3390/ijms24054375, ISSN: 1422-0067, FI: 4.9, **Q1**
6. Balasa R, **Maier S**, Hutanu A, Voidazan S, Andone S, Oiaga M, Manu D. *Cytokine Secretion Dynamics of Isolated PBMC after Cladribine Exposure in RRMS Patients*. Int J Mol Sci. 2022 Sep 6;23(18):10262. doi: 10.3390/ijms231810262. ISSN: 1422-0067, FI: 5.6, **Q1**, autor corespondent
7. Bajko Z, Motataianu A, Stoian A, Barcutean L, Andone S, **Maier S**, Drăghici IA, Balasa R. *Postpartum Cerebral Venous Thrombosis-A Single-Center Experience*. Brain Sci. 2021 Mar 4;11(3):327. doi: 10.3390/brainsci11030327. ISSN: 2076-3425, FI: 3.332, **Q3**, autor corespondent
8. Raicea VC, Suci H, Raicea AD, Macarie GC, Mezei T, **Maier MS**. *Giant left atrial myxoma - literature review and case presentation*. Rom J Morphol Embryol. 2021 Apr-Jun;62(2):361-368. doi: 10.47162/RJME.62.2.02. ISSN 1220-0522, FI 0.833, **Q4**

**b. Articole publicate în extenso în reviste indexate ISI cu factor de impact înainte de ultima promovare:**

9. **Smaranda Maier**, Mihaela Simu, Adina Hutanu, Laura Barcutean, Septimiu Voidazan, Zoltan Bajko, Anca Motataianu, Irina Lata, Rodica Balasa. *Clinical Immunological Correlations in Patients with Multiple Sclerosis Treated with Natalizumab*. Brain Sci. 2020 Oct 30;10(11):802. doi: 10.3390/brainsci10110802. ISSN: 2076-3425, FI: 3.394, **Q3**
10. Motataianu Anca, Andone Sebastian, Radu Cristina, Bajko Zoltan, Barcutean Laura, Balasa Adrian, Voidazan Septimiu, Stoian Adina, **Maier Smaranda**. *Predictors of Depression in Caucasian Patients with Amyotrophic Lateral Sclerosis in Romania*. Brain Sci. 2020 Jul 22;10(8):470. doi: 10.3390/brainsci10080470. ISSN: 2076-3425, FI: 3.394, **Q3**
11. Balasa R, **Maier S**, Barcutean L, Stoian A, Anca Moțățăianu. *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. ISSN 1841-6624, FI: 1.027, **Q4**, autor corespondent
12. **Maier S**, Moțățătataianu Anca, Bărcuțean L, Balint A, Huțanu A, Bajko Z, Stoian A, Romaniuc A, Andone S, Bălașa R. *Interferon- $\beta$  1a, an immunomodulator in relapsing remitting multiple sclerosis patients. The effect on pro-inflammatory cytokines*. Farmacia 2020, 68 (1). doi.org: 10.31925/farmacia.2020.1.10, ISSN 0014-8237, eISSN 2065-0019, FI: 1.433, **Q4**



13. Moțățianu A, **Maier SM**, Chinezu L, Bărcuțean LI, Voidăzan TS, Bajko Z, Bălașa AF. *Malignant melanoma-the most severe skin cancer and neurological pathology*. Romanian Journal of Morphology and Embryology 2019, 60(4). ISSN (print) 1220-0522; eISSN 2066-8279, FI: 1.411, **Q4**, autor corespondent
14. **Maier S**, Moțățianu Anca, Bajko Z, Romaniuc A, Balasa A. *Pontine cavernoma haemorrhage at 24 weeks of pregnancy that resulted in eight-and-a-half syndrome*. Acta Neurologica Belgica 2019; 119: 471–474. doi: 10.1007/s13760-019-01147-x. eISSN 2240-2993, print ISSN 0300-9009, FI: 1.989, **Q3**
15. **Maier S**, Monica C, Romaniuc A, Andone S, Bălașa R. *Central-variant posterior reversible encephalopathy syndrome in a young patient with systemic lupus erythematosus*. Acta Neurol Belg. 2019 Jun;119(2):269-271. doi: 10.1007/s13760-018-1046-1. eISSN 2240-2993, print ISSN 0300-9009, FI: 1.989, **Q3**
16. Adina Huțanu, **Smaranda Maier**, Rodica Bălașa, Oana Roxana Oprea, Ștefan Barbu, Septimiu Voidăzan, Minodora Dobreanu. *Plasma phosphorylated neurofilament heavy chains as a potential marker for ischemic stroke patients*. Rev Rom Med Lab Nr. 26 (1)/2018, doi:10.2478/rrlm-2018-0004. ISSN 1841-6624, FI 0.8, **Q4**, autor corespondent
17. Romaniuc A, **Maier S**, Buruiian M, Liptak L, Bălașa A. Spontaneous spinal epidural haematoma mimicking acute ischaemic stroke: case report. Acta Neurol Belg. 2018 May 21. doi: 10.1007/s13760-018-0939-3. electronic ISSN 2240-2993, print ISSN 0300-9009, FI: 1.612, **Q3**, autor corespondent
18. Balasa R, Ciurba B, Voidezan S, Simu I, Hutanu A, Andone S, Romaniuc A, Motataianu A, **Maier S**. *The matrix metalloproteinases panel in multiple sclerosis patients treated with Natalizumab: A possible answer to Natalizumab non-responders*. CNS Neurol Disord Drug Targets. 2018 Jul 2. doi: 10.2174/1871527317666180703102536. eISSN 1996-3181, ISSN 1871-5273, FI: 2.761, **Q3**
19. **Maier S**, Bălașa R, Bajko Z, Simu I, Horvath E. *Complete progressive ophthalmoplegia and numb chin syndrome, the first clinical manifestations of a lethal abdominal Burkitt lymphoma*. Neurol Neurochir Pol. 2017 Aug 18. doi: 10.1016/j.pjnns.2017.08.004. ISSN: 0028-3843, FI 0.817, **Q3**
20. Bălașa RI, Mihaela S, Voidăzan S, Bărcuțean LI, Bajko Z, Huțanu , Simu I, **Maier S**. *Natalizumab Changes The Peripheral Profile of Th17 Panel in MS Patients: New Mechanisms of action*. CNS Neurol Disord Drug Target 2017; 16(9):1018-1026 doi: 10.2174/1871527316666170807130632. eISSN 1996-3181, ISSN 1871-5273, FI: 2.084, **Q3**.
21. Bălașa R, **Maier S**, Voidăzan S, Huțanu A, Bajkó Z, Moțățianu A, Țilea B, Tiu C. *Assessment of interleukin-17A, interleukin-10 and transforming growth factor-beta 1 serum titers in relapsing remitting multiple sclerosis patients treated with Avonex, possible biomarkers for treatment response*. CNS Neurol Disord Drug Targets 2016; 15: 000-000. ISSN: 1871-5273, eISSN: 1996-3181, FI: 2.506, **Q3**, autor corespondent

22. **Maier S**, Bajkó Z, Moțățaiianu A, Rusu S, Bălașa R. *Giant internal carotid artery aneurysm causing Collet-Sicard syndrome*. Acta Neurol Belgica 2017; 117:295-297; doi: 10.1007/s13760-016-0644-z. ISSN: 0300-9009, FI: 2.072, **Q3**
23. **Maier S**, Buruian M, Maier A, Moțățaiianu A, Voidăzan S, Bajkó Z, Bălașa R. *The determinants of depression in a Romanian cohort of multiple sclerosis patients*. Acta Neurol Belg. 2016 Jun;116(2):135-43. doi: 10.1007/s13760-015-0547-4. ISSN: 0300-9009, FI: 1.722, **Q3**
24. Bajkó Z, Bălașa R, Szatmári S, Rusu S, Moțățaiianu A, **Maier S**. *The role of ultrasound in the diagnosis of temporal arteritis*. Neurol Neurochir Polska 2015; 49: 139-143. doi: 10.1016/j.pjnns.2015.03.003. ISSN: 0028-3843, FI: 0.747, **Q3**
25. Balasa R, **Maier S**, Voidazan S, Hutanu A, Bajko Z, Motataianu A. *An Intricate Mechanism of Action of Avonex in Relapsing Remitting Multiple Sclerosis Patients: Variation of Serum Titre of Interleukin-17A, Interleukin-10 and Transforming Growth Factor- $\beta$* . CNS Neurol Disord Drug Targets. 2015; 14(6):804-810. ISSN: 1871-5273, FI: 2.188, **Q3**, autor corespondent
26. Bălașa R, Bajkó Z, Moțățaiianu A, Maier A, **Maier S**. *Neuromyelitis optica associated with painful dystonia: case report and literature review*. Acta Neurol Belg 2015; 115: 169-171. ISSN: 0300-9009, FI: 1.495, **Q3**

## B. CO-AUTOR

### a. Articole publicate în extenso în reviste indexate ISI cu factor de impact de la ultima promovare:

1. 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. doi: 10.2147/BTT.S489523. ISSN 1177-5475, FI 5.3, **Q1**.
2. Schenk A, Popa CO, Cojocaru CM, Marian Ș, **Maier S**, Bălașa R. *The Path from Personality to Anxiety and Depression Is Mediated by Cognition in Multiple Sclerosis*. J Pers Med. 2024 Jun 25;14(7):682. doi: 10.3390/jpm14070682. ISSN: 2075-4426, FI: 3.0, **Q2**
3. Schenk A, Popa CO, Cojocaru CM, Marian Ș, **Maier S**, Băjenaru OL, Bălașa R. *An Online Single-Session Cognitive Behavioral Therapy for Depression and Anxiety Associated with Multiple Sclerosis-Pilot Study*. Behav Sci (Basel). 2024 Jul 21;14(7):620. doi: 10.3390/bs14070620. ISSN 2076-328X, FI: 2.5, **Q2**
4. 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. doi: 10.2174/1871527322666230609164534. eISSN 1996-3181, ISSN 1871-5273, FI: 2.7, **Q3**
5. Andone S, Farczadi L, Imre S, Bajko Z, Moțățaiianu A, **Maier S**, Bărcuțean L, Bălașa R. *Serum Fatty Acids Are Associated with a Higher Risk of Ischemic Stroke*. Nutrients. 2023 Jan 22;15(3):585. doi: 10.3390/nu15030585. eISSN 2072-6643, IF 4.8, **Q1**



6. Stoian A, Stoian M, Bajko Z, **Maier S**, Andone S, Cioflinc RA, Motataianu A, Barcutan L, Balasa R. *Autoimmune Encephalitis in COVID-19 Infection: Our Experience and Systematic Review of the Literature*. Biomedicines. 2022 Mar 25;10(4):774. doi: 10.3390/biomedicines10040774. ISSN 2227-9059, IF: 4.7 , **Q1**.
7. Andone S, Bajko Z, Motataianu A, **Maier S**, Barcutan L, Balasa R. *Neuroprotection in Stroke-Focus on the Renin-Angiotensin System: A Systematic Review*. Int J Mol Sci. 2022 Mar 31;23(7):3876. doi: 10.3390/ijms23073876. ISSN: 1422-0067, FI: 5.6, **Q1**
8. Stoian A, Bajko Z, **Maier S**, Cioflinc RA, Grigorescu BL, Moțățianu A, Bărcuțean L, Bălășa 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)*. Exp Ther Med. 2021 Oct;22(4):1182. doi: 10.3892/etm.2021.10616. ISSN 1792-0981, FI: 2.751, **Q3**
9. Stoian A, Bălășa R, Grigorescu BL, **Maier S**, Andone S, Cocuz IG, Bajko Z, Filep CR, Stoian M. *Guillain-Barré syndrome associated with Covid-19: A close relationship or just a coincidence? (Review)*. Exp Ther Med. 2021 Sep;22(3):916. doi: 10.3892/etm.2021.10348. ISSN 1792-0981, FI: 2.751, **Q3**
10. Bajko Z, Balasa R, **Maier S**, Motataianu A, Barcutan L, Andone S, Stoian A, Filep RC. *Stroke secondary to giant-cell arteritis: A literature review*. Exp Ther Med. 2021 Aug;22(2):876. doi: 10.3892/etm.2021.10308. ISSN 1792-0981, FI: 2.751, **Q3**
11. Bajko Z, Motataianu A, Stoian A, Barcutan L, Andone S, **Maier S**, Drăghici 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 Mar 30;10(7):1382. doi: 10.3390/jcm10071382. ISSN 2077-0383, FI: 4.964, **Q1**
12. Bajko Z, **Maier S**, Motataianu A, Filep RC, Stoian A, Andone S, Balasa R. *Rivaroxaban for the treatment of cerebral venous thrombosis: a single-center experience*. Acta Neurol Belg. 2021 Mar 18. doi: 10.1007/s13760-021-01651-z. ISSN: 0300-9009, FI: 2.471, **Q3**

**b. Articole publicate în extenso în reviste indexate ISI cu factor de impact înainte de ultima promovare:**

13. Bajko Z, Motataianu A, Stoian A, Barcutan L, Andone S, **Maier S**, Drăghici IA, Cioban A, Balasa R. *Prevalence and Clinical Characteristics of Subclavian Steal Phenomenon/Syndrome in Patients with Acute Ischemic Stroke*. J Clin Med. 2021 Nov 10;10(22):5237. doi: 10.3390/jcm10225237, ISSN: 2077-0383, **FI: 4,964, Q1**
14. Motataianu A, Barcutan 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 (Basel). 2021 Oct 28;11(11):2005. doi: 10.3390/diagnostics11112005. ISSN: 2075-4418, FI: 3.992, **Q2**
15. Adina Huțanu, Mihaela Iancu, **Smaranda Maier**, Rodica Bălășa, Minodora Dobreanu. *Plasma Biomarkers as Potential Predictors of Functional Dependence in Daily Life Activities after Ischemic Stroke: A Single Center Study*. Ann Indian Acad Neurol. Jul-Aug 2020;



23(4):496-503. doi: 10.4103/aian. AIAN\_74\_19. ISSN 0972-2327, eISSN 1998-3549, FI: 1.383, **Q4**

16. Adina Stoian, Anca Motataianu, Laura Barcutean, **Smaranda Maier**, Zoltan Bajko, Septimiu Voidazan, Andrada Farcas, Rodica Balasa. *Understanding the mechanism of action of intravenous immunoglobulins: a ten years experience in treating Guillain Barre syndrome*. Farmacia 2020, Vol. 68, 3. doi: 10.31925/farmacia.2020.3.7. eISSN 2065-0019, FI: 1.433, **Q4**
17. Zoltan Bajko, Rares Cristian Filep, **Smaranda Maier**, Anca Motataianu, Sebastian Andone, Rodica Balasa. *Bilateral vertebral artery occlusion without stroke secondary to giant cell arteritis*. Acta Reumatol Port. 2019 Sep 23;44(3):270-272. ISSN 0303-464X, **FI: 1.183, Q4**
18. Adrian Balasa, Flaviu Tamas, Corina Hurghis, **Smaranda Maier**, Anca Motataianu, Rares Chinezu. *First-Onset Hypokalemic Periodic Paralysis Following Surgery for Myxopapillary Ependymoma*. World Neurosurg 2020; 141:389-394. doi: 10.1016/j.wneu.2020.06.109. ISSN 1878-8750, IF 1.829, **Q3**
19. Romaniuc A, Bălașa R, Știrbu N, **Maier S**, Andone S, Bajko Z, Bărcuțean L, Voidăzan S, Moțățăianu Anca. *The Main Determinants for Suicidal Ideation in a Romanian Cohort of Multiple Sclerosis Patients*. Behavioral Neurology 2020, Jan 21;2020:2594702. doi: 10.1155/2020/2594702. ISSN 0953-4180, e ISSN 1875-8584, FI: 3.342, **Q3**.
20. Hutănu A, Iancu M, Dobreanu M, Oprea OR, Barbu S, **Maier S**, Tero-Vescan A, Bajko Z, Balasa R. *Extended lipid profile in Romanian ischemic stroke patients in relation to stroke severity and outcome: a path analysis model*. Arch Med Sci. 2019 Oct 23;17(4):864-873. doi: 10.5114/aoms.2019.89302. ISSN 1734-1922, FI: 2.807, **Q2**
21. Moțățăianu A, **Maier S**, Bajko Z, Voidazan S, Bălașa R, Stoian A. *Cardiac autonomic neuropathy in type 1 and type 2 diabetes patients*. BMC Neurology 2018, 27;18(1):126. doi: 10.1186/s12883-018-1125-1. ISSN 1471-2377, FI: 2.23, **Q3**.
22. Barcutean LI, Romaniuc A, **Maier S**, Bajko Z, Moțățăianu A, Hutănu A, Simu I, Andone S, Balasa R. *Clinical and Serological Biomarkers of Treatment's Response in Multiple Sclerosis Patients Treated continuously with Interferonβ-1b for More than a Decade*. CNS & Neurological Disorders- Drug Targets. 2018; 17: 780-792. ISSN 1996-3181, eISSN 1871-5273. FI: 2.761, **Q3**.
23. Huțanu A, Iancu M, Bălașa R, **Maier S**, Dobreanu M. *Predicting functional outcome of ischemic stroke patients in Romania based on plasma CRP, sTNFR-1, D-Dimers, NGAL and NSE measured using a biochip array*. Acta Pharmacol Sin. 2018 Jul;39(7):1228-1236. doi: 10.1038/aps.2018.26. Epub 2018 Jun 21. ISSN:1745-7254, eISSN 1671-4083, FI: 4.01, **Q1**
24. Bălașa R, **Maier S**, Bajkó Z, Moțățăianu A, Crișan A, Bălașa A. *Longitudinally extensive transverse myelitis in neuromyelitis optica: a prospective study of 13 Caucasian patients and literature review*. Acta Neurol Belgica 2015; 115: 635-642. doi: 10.1007/s13760-015-0479-z. Review. ISSN: 0300-9009, FI: 1.495, **Q3**

25. Bălașa R, **Maier S**, Gliga Baubec E, Bajkó Z, Bălașa A. *Cerebellar and brainstem variant of posterior reversible encephalopathy syndrome*. Acta Neurol Belg 2015; 115: 401-403. doi: 10.1007/s13760-014-0370-3. ISSN: 0300-9009, FI: 1.495, **Q3**
26. Bălașa R, **Maier S**, Bajkó Z, Pașcanu I, Moțățăianu A. *Skeletal muscle Na<sup>+</sup>/K<sup>+</sup>-ATPase pump dysfunction in thyrotoxic periodic paralysis: case report*. Acta Endocrinol (Buc) 2015; 11: 240-245. ISSN (print): 1841 – 0987, FI: 0.235, **Q3**
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28. Mărginean A, Bănescu C, Moldovan V, Scridon A, Mărginean M, Bălașa R, **Maier S**, Țăruși M, Dobreanu M. *The Impact of CYP2C19 Loss-of-Function Polymorphisms, Clinical, and Demographic Variables on Platelet Response to Clopidogrel Evaluated Using Impedance Aggregometry*. Clin Appl Thromb Hemost. 2017; 23(3):255-265. doi:10.1177/1076029616629211. ISSN 1076-0296; eISSN 1938-2723, FI:1.852, **Q3**.

## V. LUCRĂRI ȘTIINȚIFICE DE SPECIALITATE PUBLICATE ÎN EXTENSO ÎN REVISTE INDEXATE ISI FĂRĂ FACTOR DE IMPACT

### A. AUTOR PRINCIPAL

1. 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. doi: 10.2478/jccm-2021-0010. ISSN: 2393–1809, Online ISSN: 2393-1817.
2. 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. doi: 10.1515/jccm-2016-0021. ISSN: 2393–1809, Online ISSN: 2393-1817.

### B. CO-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 (Targu Mures). 2021 Nov 6;7(4):302-307. doi: 10.2478/jccm-2021-0030. ISSN: 2393–1809, Online ISSN: 2393-1817.
2. Bajkó Z, **Maier S**, Moțățăianu A, Bălașa R, Vasiu S, Stoian A, Andone S. *Stroke Secondary to Traumatic Carotid Artery Injury - A Case Report*. J Crit Care Med. 2018 Feb 9;4(1):23-28. doi: 10.1515/jccm-2018-0003. ISSN: 2393-1809, eISSN: 2393-1817.
3. 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. doi: 10.2478/jccm-2021-0002. eCollection 2021 Jan. ISSN: 2393-1809, Online ISSN: 2393-1817.

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5. Anca Moțățianu, **Smaranda Maier**, Anita Gothard, Zoltán Bajkó, Rodica Bălașa. *Severe Fatal Systemic Embolism Due to Non-Bacterial Thrombotic Endocarditis as the Initial Manifestation of Gastric Adenocarcinoma: Case Report.* J Crit Care Med. 2018; 4(2):68-73 doi: 10.2478/jccm-2018-0008. ISSN: 2393-1809, eISSN: 2393-1817.
6. Bajkó Z, **Maier S**, Moțățianu A, Stoian A, Bărcuțean L, Bălașa 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. eISSN: 2457 - 5518, ISSN: 2457 - 550X.

## VI. LUCRĂRI ȘTIINȚIFICE DE SPECIALITATE PUBLICATE ÎN EXTENSO ÎN REVISTE INDEXATE BDI

### A. AUTOR PRINCIPAL

1. **Maier S**, Bajko Z, Moțățaiianu A, Stoian A, Șchiopu B, Bălașa R. *Late onset Tay-Sachs disease in a non-Jewish patient: case report*. Acta Medica Marisiensis 2017; 63(4): 199- 203. ISSN: 2068 – 3324. Online ISSN: 2668-7763. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
2. **Maier S**, Stirbu N, Bajkó Z, Moțățaiianu A, Țilea B, Alexandrescu A, Bălașa R. *Lyme meningoradiculitis: case reports and literature review*. Acta Medica Marisiensis 2016; 62: 373-375. ISSN 2068-3324. Online ISSN: 2668-7763. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
3. **Maier S**, Bălașa R, Bajkó Z, Maier A, Șchiopu B, Buruiian M. *Correlation between depression, cognitive status, functional scores, disability and lesion load in multiple sclerosis treated with interferon beta 1a*. Acta Medica Marisiensis 2015;61(1):34-39. ISSN 2068-3324. Online ISSN: 2668-7763. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
4. **Maier S**, Bălașa R, Buruiian M, Maier A, Bajkó Z. *Depression in multiple sclerosis*. Rom J Neurol 2015; 14: 22-29. ISSN 1843-8148. e-ISSN 2069-6094. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
5. Bălașa R, Bajkó Z, Moțățaiianu A, **Maier S**. *Pitfalls in the diagnosis of neurosyphilis – case report and literature review*. Acta Medica Transilvanica 2014; 2: 201-203, ISSN 1453-1968. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
6. **Maier S**, Bajkó Z, Moțățaiianu A, Maier A, Raicea V, Bardas A, Bălașa R. *Subclavian double steal syndrome presenting with cognitive impairment and dizziness*. Rom J Neurol 2014; 13: 144-149. ISSN 1843-8148. eISSN 2069-6094. <https://www.ebscohost.com/titleLists/a9h-journals.htm>

### B. CO-AUTOR

1. Schenk A, Popa CO, Cojocaru CM, Marian Ș, **Maier S**, Bălașa R. Neuroticism as a Common Factor in Depression and Anxiety Associated with Multiple Sclerosis-A Systematic Review and Meta-Analysis. Int J Environ Res Public Health. 2024 Sep 24;21(10):1264. doi: 10.3390/ijerph21101264. ISSN 1660-4601
2. Moțățaiianu A, Bărcuțean LI, **Maier S**, Balasa A, Stoian A. *Cardiac Autonomic Neuropathy in Diabetes Mellitus Patients – Are We Aware of the Consequences?* Acta Marisiensis-Seria Medica 2020;66 (1). doi: 10.2478/amma-2020-0003. ISSN: 2668-7755. Online ISSN: 2668-7763. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
3. Bajko Z, **Maier S**, Motataianu A, Filep RC, Stoian A, Barcutean L, Andone S, Balasa R. *Immunological mechanisms in multiple spontaneous cervical artery dissection: An illustrative case and review of the literature*. Ro J Neurol. 2021;20(4): 510-516. ISSN 1843-8148. e-ISSN 2069-6094. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
4. Moțățaiianu Anca, Barcutean L , Gherman I , **Maier S** , Bajko Z, Balasa A. *Cerebellar and brainstem infarction secondary to basilar artery dolichoectasia*. Romanian Journal of



Neurology 2019; XVIII (4): 212-216. ISSN 1843-8148. e-ISSN 2069-6094.  
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5. Barcutean LI, **Maier S**, Bajko Z, Motataianu A, Romaniuc A, Andone S, Balasa R. *Interferon Beta-1b for the Treatment of Multiple Sclerosis—More than 10 Years of Experience*. Acta Marisiensis-Seria Medica 2019;65(1):12-18. ISSN: 2668-7755. Online ISSN: 2668-7763.  
<https://www.ebscohost.com/titleLists/a9h-journals.htm>
6. Z. Bajko, S Andone, **S Maier**, A Moțățianu, M Copotoiu, A Romaniuc, L Barcutean, A Stoian, R Balasa. *Infarction of the posterior limb of the internal capsule: The first clinical manifestation of lupus*. Romanian Journal of Neurology 2018; 17: 168-171. ISSN 1843-8148. e-ISSN 2069-6094. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
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9. Moțățianu A, Bajkó Z, **Maier S**, Stoian A, Bărcuțean L, Bălașa R. *Correlations between the severity of cardiovascular autonomic neuropathy and other complications in type 2 diabetes mellitus*. Rom J Neurol 2016; 15: 16-23, ISSN 1848-8148. e-ISSN 2069-6094.  
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10. Stoian A, Moțățianu A, Bajkó Z, **Maier S**, Bărcuțean L, Stoian M, Bălașa R. *Cardiovascular and renal prognosis in patients with arterial hypertension, type 2 diabetes mellitus and microalbuminuria*. Hum & Vet Med 2016; 8: 45-49, ISSN 2066-7655.  
<https://www.ebscohost.com/titleLists/a9h-journals.htm>
11. Bajko Z, **Maier S**, Rusu S, Motataianu A. *Acute ischaemic stroke secondary to a mobile thrombus in the common carotid artery-case report*. The journal of the critical care medicine 2015; 1: 68-70, doi: 10.1515/jccm-2015-0010, ISSN: 2393-1809.  
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12. Bălașa R, Bajkó Z, **Maier S**, Voidăzan S, Moțățianu A. *Influence of risk factors and diabetic complications on peripheral nerve function in type 2 diabetes mellitus*. Acta Medica Marisiensis 2015; 61: 25-31, ISSN 2068-3324. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
13. Bălașa R, Doboczi M, Costache O, **Maier S**, Bajkó Z, Moțățianu A, Bălașa A. *Risk factors and diagnosis of cerebral venous thrombosis: data from a cohort of 45 Romanian patients*. Acta Medica Marisiensis 2014; 60: 207-214, ISSN 2068-3324.  
<https://www.ebscohost.com/titleLists/a9h-journals.htm>

14. Bălaşa R, Bajkó Z, **Maier S**, Moţăţăianu A. *The dual role of transforming growth factor beta in the pathogenesis of multiple sclerosis and experimental encephalomyelitis*. Rom J Neurol 2014; 13: 103-107, ISSN 1843-8148. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
15. Bajkó Z, Bălaşa R, Moţăţăianu A, **Maier S**, Chebuţ OC, Szatmári S. *Common carotid artery occlusion: a case series*. ISRN Neurol 2013, Article ID 198595. ISSN: 2090-5505. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
16. Bajkó Z, Bălaşa R, **Maier S**, Moţăţăianu A, Treabă A, Macarie I, Gârbovan C, Chiriac C. *Listeria Momocytogeneses menigoencephalitis mimicking stroke in a patient with chronic lymphocytic leukemia*. Neurol & Ther 2013; 2: 63-70, ISSN 2193-6536. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
17. *Maier A, Bardaş A, **Maier S**, Nistor D, Oltean G, Sîrbu V, Opreş M. Time course of functional recovery of hibernating myocardium – is it always correctly assessed by conventional echocardiography?* Acta Medica Transilvanica. 2015; 20(2):40-42. ISSN 2285-7079, ISSN-L 1453-1968. <https://www.ebscohost.com/titleLists/a9h-journals.htm>
18. *Maier A, Bardas A, Nistor D, Sirbu V, **Maier S**, Ciorba M, Opris M. Role of dobutamine stress echocardiography in guiding therapeutic decision making*. Acta Medica Transilvanica. 2015; 20(4):51-53. ISSN 2285-7079, ISSN-L 1453-1968. <https://www.ebscohost.com/titleLists/a9h-journals.htm>



**VII. LUCRĂRI ȘTIINȚIFICE DE SPECIALITATE PUBLICATE ÎN REZUMAT ȘI PREZENTATE LA CONGRESE NAȚIONALE ȘI INTERNAȚIONALE, CU REZUMATE/ POSTERE PUBLICATE ÎN REVISTE COTATE ISI**

❖ **3<sup>rd</sup> Congress of the European Academy of Neurology, Amsterdam, The Netherlands, 24-27 June, 2017.**

1. Balasa R, Hutanu A, Pure D, Voidezan S, **Maier S**. *The expression of matrix metalloproteinase peripheral profile in multiple sclerosis patients treated with natalizumab : possible additional mechanisms of action*. EP 1134. Eur J Neurol 2017; 24 (Suppl 1) : 190. Online ISSN:1468-1331. **IF 4.621**
2. **Maier S**, Bajko Z, Hutanu A, Voidazan S, Bălașa R. *Th17 cytokine profile in relapsingremitting multiple sclerosis patients treated with IFN-beta 1a*. POD463. Eur J Neurol 2017; 24 (Suppl 1). Online ISSN:1468-1331. **IF 4.621**

❖ **32<sup>nd</sup> Congress of the European Committee for Treatment and Research in Multiple Sclerosis; 21<sup>st</sup> Annual Conference of Rehabilitation in MS, London, United Kingdom, 14-17 September, 2016.**

1. 1.Balasa R, Bajkó Z, Hutanu A, Voidazan S, **Maier SM**. *Natalizumab treatment modifies peripheral cytokine profile in multiple sclerosis patients*. ECTRIMS Online Library, Eposter P1468. Multiple Sclerosis Journal 2016;22: S3 pg 607, Eposter P1165. ISSN:1352-4585. **IF 5.649**.
2. **Maier S**, Balasa R, Bajkó Z, Barcutean L, Voidazan S, Motataianu A, Stirbu N. *The risk factors for suicidal ideation in a Romanian cohort of multiple sclerosis patients*. ECTRIMS Online Library, Eposter P1468. Multiple Sclerosis Journal 2016;22: S3 pg 766, Eposter P1165. ISSN:1352-4585. **IF 5.649**.

❖ **2<sup>nd</sup> Congress of European Academy of Neurology, Copenhagen, Denmark, 28-31 May, 2016.**

1. **Maier S**, Bajkó Z, Moțățăianu A, Bărcuțean L, Voidăzan S, Bălașa R. *The effects of smoking on clinical evolution of multiple sclerosis patients treated with first line DMTs*. Eur J Neurol 2016; 23 (Suppl 2): 318. ISSN:1468-1331. **IF: 3.956**.

❖ **EFNS-ENS Joint Congress of European Neurology, Istanbul, Turkey, 31 May – 3 June, 2014.**

1. Rusu S, Bălașa R, **Maier S**, Moțățăianu A, Costache O, Bajkó Z. *Bilateral carotid occlusion*. Eur J Neurol 2014; 21 (Suppl 1): P4030, ISSN 1468-1331, **IF: 4.162**.

❖ **The 15<sup>th</sup> Congress of the EFNS, Budapest, Hungary, 10 – 13 September, 2011.**

1. Feier C, Bălașa R, Bălașa A, Treabă A, Z. Bazko, S.M. Maier. *Multiple spinal epidural hydatid cysts: a case presentation*. Eur J Neurol 2011; 18 (Supl 2): P2380, ISSN 1468-1331, IF: 3.692.

**VII. LUCRĂRI ȘTIINȚIFICE DE SPECIALITATE PUBLICATE ÎN REZUMAT ȘI PREZENTATE LA CONGRESE NAȚIONALE ȘI INTERNAȚIONALE, CU REZUMATE/ POSTERE PUBLICATE ÎN REVISTE COTATE CNCSIS B+.**

❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, 11-15 December 2023 (11-15.12.2023)**

1. Maria-Smaranda Maier, Adina Hutanu, Laura Barcutean, Rodica Bălașa. *Ocrelizumab treatment significantly decreased serum levels of neurofilament light chain after the first complete cycle in multiple sclerosis patients*. ISSN online 2734-8199
2. Zoltan Bajko, Maria-Smaranda Maier, Sebastian Andone, Adina Stoian, Iulia Drăghici, Rodica Bălașa. *Psychiatric comorbidities in myasthenia gravis- a single-center experience*. ISSN online 2734-8199

❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, 11-15 December 2021 (6-10.12.2021)**

1. Bajko Z, Maier S, Motataianu A, Barcutean L, Balasa R. *Direct oral anticoagulants in the treatment of cerebral venous thrombosis*.
2. 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*.
3. Barcutean L, Maier S, Zoltan B, Andone S, Balasa R. *Gut-brain axis dysregulation implications in multiple sclerosis*.

❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, 7-11 December 2020**

1. Bărcuțean Laura, Maier Smaranda, Moțățăianu Anca, Bajko Z, Stoian Adina, Bălașa Rodica. *Benign multiple sclerosis – A theoretical concept or reality ?*. eISSN: 1843-8148.
2. Maier Smaranda, Bărcuțean Laura, Voidăzan S., Bajko Z., Moțățăianu Anca, Stoian Adina, Bălașa Rodica. *Assessing the determinant factors for fatigue in multiple sclerosis patients*. eISSN: 1843-8148.
3. Andone S, Stoian A, Maier S, Barcutean L, Balasa R. *Therapeutic Plasma Exchange in progressive multifocal leukoencephalopathy related to therapy with natalizumab*. eISSN: 1843-8148.

❖ **The 18th Congress of Romanian Society of Neurology, Bucharest (online) 17 – 19 Noiembrie 2020**

1. Bărcuțean L, Maier S, Bălașa R. *Chitinase 3-like-1 – un potențial biomarker pentru scleroza multiplă benignă*. – prezentare tip poster premiata cu locul 1 în cadrul celui de-al XVIII-lea congres al Societății de Neurologie din România



❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, 9-14 December 2019**

1. Moțățăianu A, Bajko Z, **Maier S**, Bărcuțean L, Bălașa R. *Ischemic stroke in patients with active cancer*. Acta Medica Marisiensis 2019; ISSN 1843-8148.
2. Bajko Z, **Maier S**, Moțățăianu A, Bărcuțean L, Stoian A, Bălașa R. *The role of duplex ultrasound examination in the diagnosis of cervical artery dissections*. Acta Medica Marisiensis 2019; ISSN 1843-8148.
3. **Maier S**, Bajko Z, Moțățăianu A, Stoian A, Bălașa R. *Expression of matrix metalloproteinase in patients with multiple sclerosis treated with disease modifying therapies*. Acta Medica Marisiensis 2019; ISSN 1843-8148.

❖ **The 12th Conference of PhD Students and Young Doctors, 11 dec 2019**

1. Bărcuțean L, Moțățăianu A, **Maier S**, Bălașa R. *Behind the concept of benign multiple sclerosis*. Acta Medica Marisiensis 2019 (Book of Abstracts) 105. ISSN: 1843-8148.
2. Romaniuc A, **Maier S**, Moțățăianu A, Bajko Z, Andone S, Bălașa R. *A review of suicide in neurological diseases*. Acta Medica Marisiensis 2019;105. ISSN: 1843-8148.
3. Andone S, Stoian A, Bajko Z, Moțățăianu A, **Maier S**, Bărcuțean L, Bălașa R. *Therapeutic plasma exchange in neurological disorders – a single center experience*. Acta Medica Marisiensis 2019;109. ISSN: 1843-8148.

❖ **The 17<sup>th</sup> Congress of Romanian Society of Neurology, Bucharest, May 14<sup>th</sup>-18<sup>th</sup>, 2019**

1. Moțățăianu A, Gherman I, Laura Bărcuțean, Bajko Z, **Maier S**, Stoian A, Bălașa R. *Pontine cavernoma presenting with consecutive hemorrhage and ischemic stroke in the brainstem-case report*. Rom J Neurol 2019; 18 (Suppl); 1843-8148
2. Bajko Z, Macavei I, **Maier S**, Moțățăianu A, Bărcuțean L, Stoian A, Andone S, Romaniuc A, Bălașa R. *Spontaneous multiple cervical artery dissection: case report*. Rom J Neurol 2019; 18 (Suppl);1843-8148
3. Andone S, Bajko Z, Romaniuc A, Moțățăianu A, **Maier S**, Bărcuțean L, Bălașa R. *Wake-up stroke at a 24 year old patient treated successful with thrombectomy according to DAWN criteria*. Rom J Neurol 2019; 18 (Suppl); 1843-8148.
4. **Maier S**, Romaniuc A, Bajko Z, Moțățăianu A, Stoian A, Bărcuțean L, Bălașa R. *Main determinants of quality of life in multiple sclerosis patients*. Rom J Neurol 2019; 18 (Suppl); 1843-8148
5. Bărcuțean L, **Maier S**, Bajko Z, Moțățăianu A, Andone S, Romaniuc A, Bălașa R. *Clinical biomarkers in the evolution of multiple sclerosis treated with interferon beta1b-benign multiple sclerosis or good treatment responders*. Rom J Neurol 2019; 18 (Suppl); 1843-8148.
6. Radu C, Petruțiu S, Havas N, **Maier S**, Bajko Z, Moțățăianu A, Bălașa R. *Limbic encephalitis associated with VGKCS: a diagnostic challenge*. Rom J Neurol 2019; 18 (Suppl) ;1843-8148.
7. Romaniuc A, **Maier S**, Bajko Z, Moțățăianu A, Farcas AM, Stoian A, Andone S, Bărcuțean L, Bălașa R. *Posterior reversible encephalopathy syndrome (PRES) associated with eclampsia and pre-eclampsia: case series*. Rom J Neurol 2019; 18 (Suppl); 1843-8148.

8. Stoian A, Moțățăianu A, Bajko Z, Andone S, **Maier S**, Bărcuțean L, Bălașa R. *A fatal case of chronic inflammatory demyelinating polyneuropathy with an atypical onset and recurrence-case report*. Rom J Neurol 2019; 18 (Suppl); 1843-8148.
9. Stoian A, Moțățăianu A, Bajko Z, Andone S, **Maier S**, Bărcuțean L, Bălașa R. *Different neurological manifestations of Lyme disease-two case reports*. Rom J Neurol 2019; 18 (Suppl); 1843-81
10. Bărcuțean L, **Maier S**, Bajko Z, ALbu S, Stoian A, Bălașa R. *A myriad of psychiatric symptoms with an etiology hidden in auto-immunity – limbic encephalitis with positive voltage-gated potassium channel antibodies*. Rom J Neurol 2019; 18:38. ISSN: 1843-8148.

❖ **The 11th Conference of PhD Students and Young Doctors, 11 Decembrie 2018**

1. **Bărcuțean L**, Andone S, Romaniuc A, Maier S, Bajko Z, Bălașa R. Sex-based differences of multiple sclerosis patients treated with interferon beta-1b – an analysis of the peripheral immune panel. Book of Abstracts 131. ISSN 2602-1609.



❖ **The 16<sup>th</sup> Congress of Romanian Society of Neurology, Bucharest, May 8<sup>th</sup>-12<sup>th</sup>, 2018.**

1. Andone S, Bajko Z, Romaniuc A, Moțățianu A, Stoian A, **Maier S**, Barcutean L, Balasa R. *Cerebral infarction in the posterior limb of the internal capsule, the first clinical manifestation of lupus erythematosus – case presentation*. Rom J Neurol 2018; 17 (Suppl); 1843-8148.

❖ **A XXI-a Conferința Națională de Stroke (AVC) cu participare internațională 3-5 octombrie 2018, București**

1. Bajko Z, Andone S, **Maier S**, Moțățianu A, Barcutean L, Stoian A, Balasa R. *The relationship between giant cell arteritis and ischemic stroke and the role of ultrasound in diagnosis*. Revista Romana de Stroke, pg 16, ISBN 1582-3172.
2. Moțățianu A, Gherman I, Bajko Z, Stoian A, **Maier S**, Tohanean N, Barcutean L, Balasa R. *Favorable outcome after brainstem infarction secondary to a giant thrombosed aneurysm of the basilar artery*. Revista Romana de Stroke, pg 73, ISBN 1582-3172.

❖ **The 15<sup>th</sup> Congress of Romanian Society of Neurology, Bucharest, May 10<sup>th</sup>-13<sup>th</sup>, 2017.**

1. A Gothard, A Motataianu, A Stoian, **S Maier**, Z Bajko, R Balasa. *Clinical and paraclinical aspects of myotonic dystrophy*. Rom J Neurol 2017; 16 (Suppl); 37-38. ISSN: 1843-8148.
2. R Balasa, Z Bajko, A Hutanu, S Voidazan, **S Maier**. *Are neuroinflammation and cognitive dysfunction correlated and influenced by natalizumab treatment in multiple sclerosis patients?* Rom J Neurol 2017; 16 (Suppl): 40-41. ISSN: 1843-8148.
3. **S Maier**, A Florea, L Dascal, R Rosescu, A Motataianu, Z Bajko, S Voidazan, R Balasa. *Cognitive impairment in multiple sclerosis: the experience of regional MS center in Targu Mures*. Rom J Neurol 2017; 16 (Suppl): 46. ISSN: 1843-8148.
4. S Andone, I Macavei, Z Bajko, **S Maier**, A Motataianu, A Stoian, L Barcutean, C Albu, N Havas, R Balasa. *Creutzfeldt-Jakob's disease – care presentation*. Rom J Neurol 2017; 16 (Suppl): 49. ISSN: 1843-8148.
5. Z Bajko, A Coroeanu, S Andone, S Vasiu, **S Maier**, A Motataianu, A Stoian, R Balasa. *Relapsing isolated optic neuritis – case report*. Rom J Neurol 2017; 16 (Suppl): 52-53. ISSN: 1843-8148.
6. L Barcutean, Z Bajko, A Motataianu, **S Maier**, A Stoian, R Romaniuc, N Tohanean, R Balasa. *Clinical impact upon disability progression in multiple sclerosis patients treated with interferon-beta over a decade of experience*. Rom J Neurol 2017; 16 (Suppl): 53. ISSN: 1843-8148.
7. T Suci, A Stoian, A Coroeanu, E Moldovan, L Barcutean, Z Bajko, **S Maier**, R Balasa. *Amyloid neuropathy – case presentation*. Rom J Neurol 2017; 16 (Suppl): 83-84. ISSN: 1843-8148.
8. S Vasiu, Z Bajko, **S Maier**, A Motataianu, L Barcutean, A Stoian, A Coroeanu, S Andone, R Balasa. *Traumatic internal carotid artery dissection – case presentation*. Rom J Neurol 2017; 16 (Suppl): 85. ISSN: 1843-8148.

❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, 8-9 December 2016. Scientific Session of University Educational Staff.**

1. Bajko Z, **Maier S**, Moțățăianu A, Balasa R. *Free-floating carotid artery thrombus in the etiology of ischaemic stroke-a case series*. Acta medica marisiensis 2016; 62(8):59. ISSN: 1843-8148.
2. **Maier S**, Maier A, Bajko Z, Moțățăianu A, Voidazan S, Barcutean L, Balasa R. *Evaluation of depression in a large Romanian cohort of multiple sclerosis patients*. Acta medica marisiensis 2016;62(8):59. ISSN: 1843-8148.
3. Balasa R, Hutanu A, Voidazan S, Moțățăianu A, Barcutean L, Bajko Z, **Maier S**. *Interleukin 17- a predictive biomarker of treatment response to interferon-beta in multiple sclerosis patients*. Acta medica marisiensis 2016; 62(8): 60. ISSN: 1843-8148.

❖ **The 9th Conference of PhD Students and Young Doctors, 7 Decembrie 2016**

1. **Bărcuțean L**, Maier S, Bălașa R. Immunological and clinical correlations in patients with multiple sclerosis treated for at least 10 years with interferon beta-1b. Acta Medica Marisiensis 2016; 62:11. ISSN: 2068-3324.

❖ **The 14<sup>th</sup> Congress of Romanian Society of Neurology, Bucharest, May 18<sup>th</sup> – 21<sup>st</sup>, 2016.**

1. R Bălașa, A Huțanu, S Voidezan, Z Bajkó, **S Maier**. *Natalizumab treatment of relapsing-remitting multiple sclerosis patients influences the peripheral cytokine profile: new possible immunological mechanisms of action*. Rom J Neurol 2016; 14 (Suppl 1): 19. ISSN: 1843-8148.
2. Z Bajkó, **S Maier**, A Moțățăianu, S Rusu, A Stoian, L Bărcuțeanu, R Bălașa. *Giant internal carotid artery aneurysm causing Collet-Sicard syndrome*. Rom J Neurol 2016; 14 (Suppl 1): 55-56. ISSN: 1843-8148.
3. Z Gál, Z Bajkó, **S Maier**, A Moțățăianu, A Stoian, R Bălașa. *Mobile carotid artery thrombus in the etiology of ischemic stroke – a case series*. Rom J Neurol 2016; 14 (Suppl 1): 72-73. ISSN: 1843-8148.
4. **S Maier**, N Știrbu, Z Bajkó, A Moțățăianu, L Bărcuțean, R Bălașa. *Lyme disease presenting as Bannwarth syndrome. Case report*. Rom J Neurol 2016; 14 (Suppl 1): 90-91. ISSN: 1843-8148.
5. A Stoian, A Moțățăianu, **S Maier**, N Știrbu, L Bărcuțean, N Havas, Z Bajkó, R Bălașa. *Neurologic presentation in multiple myeloma: two cases report*. Rom J Neurol 2016; 14 (Suppl 1): 91. ISSN: 1843-8148.
6. Știrbu N, Bărcuțean L, Șchiopu B, Stoian A, **Maier S**, Bălașa R. *Neurological manifestations in a fatal case of celiac disease – case presentation*. Rom J Neurol 2016; 14 (Suppl 1): 57. ISSN: 1843-8148.
7. Bărcuțean L, **Maier S**, Moțățăianu A, Șchiopu B, Știrbu N, Stoian A, Bălașa R. *Long time experience using interferon beta-1b for the treatment of multiple sclerosis*. Rom J Neurol 2016; 14 (Suppl 1): 57-58. ISSN: 1843-8148.



❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, 7-11 December 2015. Scientific Session of University Educational Staff.**

1. **Maier S**, Bajko Z, Moțățăianu A, Bărcuțean L, Bălașa R. *Cognitive impairment and depression in multiple sclerosis patients – a bidirectional relationship*. Acta Medica Marisiensis 2015; 61 (Suppl 8): 80, ISSN 2068-3324.
2. Moțățăianu A, **Maier S**, Bajko Z, Stoian A, Bălașa R. *Cardiovascular autonomic neuropathy in type 2 diabetes*. Acta Medica Marisiensis 2015; 61 (Suppl 8): 83, ISSN 2068-3324.

❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, 7-11 December 2015. The 5<sup>th</sup> Conference of Postdoc Fellows in Medicine and Pharmacy. The 8<sup>th</sup> Conference of PhD Students.**

1. Bărcuțean L, Pascu I, **Maier S**, Moțățăianu A, Stoian A, Șchiopu B, Bălașa R. *The clinical assess of patients with multiple sclerosis treated with interferon beta-1a for more than 10 years*. Acta Medica Marisiensis 2015; 61 (Suppl 7). ISSN 2068-3324.

❖ **The 13<sup>th</sup> Congress of Romanian Society of Neurology, Bucharest, May 06<sup>th</sup> – 09<sup>th</sup>, 2015.**

1. Moțățăianu A, Stoian A, **Maier S**, Bajkó Z, Costache O, Bălașa R. *Cardiovascular autonomic neuropathy in patients with type 1 diabetes*. Rom J Neurol 2015; 14 (Suppl 1): 43-44, ISSN 1843-8148.
2. Rusu S, Bajko Z, Costache O, **Maier S**, Balasa R. *Bilateral subclavian steal syndrome-case report*. Rom J Neurol 2015; 14 (Suppl 1): 55, ISSN 1843-8148.
3. Șchiopu-Mariean B, **Maier S**, Bajkó Z, Bărcuțean L, Bălașa R. *Late onset Tay-Sachs disease – care report*. Rom J Neurol 2015; 14 (Suppl 1): 62, ISSN 1843-8148.
4. Barcutean L, Stirbu N, **Maier S**, Motataianu A, Bajko Z, Balasa R. *Assessment of disability progression in multiple sclerosis patients treated with interferon beta 1b for minimum 10 years*. Rom J Neurol 2015; 14 (Suppl 1): 70, ISSN 1843-8148.
5. Bajkó Z, Rusu S, **Maier S**, Moțățăianu A, Otavă C, Bălașa R. *Brachiocephalic artery stenosis/occlusion – ultrasonographical characteristics*. Rom J Neurol 2015; 14 (Suppl 1): 79, ISSN 1843-8148.
6. **Maier S**, Bajkó Z, Moțățăianu A, Bărcuțean L, Bălașa R. *Depression in multiple sclerosis*. Rom J Neurol 2015; 14 (Suppl 1): 79-80, ISSN 1843-8148.

❖ **Days of the University of Medicine and Pharmacy of Târgu Mureș, Târgu Mureș, 8 – 12 December, 2014.**

1. **Maier S**, Buruian M, Bajkó Z, Maier A, Schiopu B, Bălașa R. *Correlations between depression, cognitive status, functional scores, disability and brain MRI lesion load in multiple sclerosis*. Acta Medica Marisiensis 2014; 60 (Suppl 4): 15, ISSN 2068-3324.
2. Bălașa R, Bajkó Z, Moțățăianu A, **Maier S**. *The long-term evolution of multiple sclerosis patients treated with interferon beta-1B: 10-year longitudinal study*. Acta Medica Marisiensis 2014; 60 (Suppl 4): 16, ISSN 2068-3324.

❖ **The 12<sup>th</sup> Congress of the Romanian Society of Neurology, Bucharest, May 14<sup>th</sup> – 17<sup>th</sup>, 2014.**

1. Bajko Z, R. Bălașa, S. Maier, Moțățăianu A, Kovacs O, Costache O, Chebuț O. *The role of ultrasonography in the diagnosis of temporal arteritis – case reports*. Rom J Neurol 2014; 13 (Suppl 1): 59-60, ISSN 1843-8148.
2. Maier S, Bălașa R, Maier A, Raicea V, Bardas A, Bajkó Z. Subclavian double steal syndrome caused by brachiocephalic artery occlusion – case report. Rom J Neurol 2014; 13 (Suppl 1): 60, ISSN 1843-8148.
3. Moțățăianu A, Bajko Z, Maier S, Stoian A, Bălașa R. *Diabetic sensorimotor polyneuropathy: quality of life issues*. Rom J Neurol 2014; 13 (Suppl 1): 61, ISSN 1843-8148.
4. Șchiopu B, Bălașa R, Biriș P, Bajkó Z, Maier S. *Neuromyelitis optica – case report*. Rom J Neurol 2014; 13 (Suppl 1): 62-63, ISSN 1843-8148.
5. Crișan A, Moțățăianu A, Bajkó Z, Maier S, Bălașa R. *Posttraumatic bilateral internal carotid artery dissection*. Rom J Neurol 2014; 13 (Suppl 1): 67-68, ISSN 1843-8148.

❖ **The 11<sup>th</sup> Congress of the Romanian Society of Neurology, Bucharest, May 15<sup>th</sup> – 18<sup>th</sup>, 2013.**

1. Bajko Z, Bălașa R, Moțățăianu A, Chebuț C, Cioloboc I, Maier S. *Listeria Monocytogenes meningoencephalitis in a patient with chronic lymphocytic leukemia*. Rom J Neurol 2013; 12 (Suppl 1): 28-29, ISSN 1843-8148.
2. Moțățăianu A., Bajko Z, Maier S, Chebuț C, Bălașa R. *Relationship between cardiac autonomic neuropathy and other micro- and macroangiopathic complications in type 2 diabetes mellitus*. Rom J Neurol 2013; 12 (Suppl 1): 43-44, ISSN 1843-8148.
3. Maier S, Bălașa R, Bălașa A, Zsigmond A, Moțățăianu A, Bajkó Z. Butterfly brain tumor – care report. Rom J Neurol 2013; 12 (Suppl 1): 44-45, ISSN 1843-8148.

❖ **The 10<sup>th</sup> Congress of the Romanian Society of Neurology, Bucharest, May 16<sup>th</sup> – 19<sup>th</sup>, 2012.**

1. Bajko Z, Bălașa R, Moțățăianu A, Maier S. *The role of carotid ultrasound in the diagnosis of the cervicocerebral artery dissections*. Rom J Neurol 2012; 11(Suppl 1): 54, ISSN 1843-8148.
2. Maier S, Bălașa R, Zsigmond A, Moțățăianu A, Biriș P, Bajkó Z. *Pseudoperipheral brachial monoparesis associated with carotid artery occlusion – care report*. Rom J Neurol 2012; 11 (Suppl 1): 54-55, ISSN 1843-8148.
3. Moțățăianu A, Bălașa R, Bajko Z, Maier S. *Cardiac autonomic neuropathy in type 2 diabetes mellitus*. Rom J Neurol 2012; 11 (Suppl 1): 55-56, ISSN 1843-8148.

❖ **The 9<sup>th</sup> Congress of the Romanian Society of Neurology, Bucharest, May 18<sup>th</sup> – 21<sup>st</sup>, 2011.**

1. Maier S, Bălașa R, Alexandrescu A, Feier C, Bajkó Z, Bălașa A, Chinezu R. *Ruptured pericallosal artery aneurism*. Rom J Neurol 2011; 10 (Suppl 1): 77-78, ISSN 1843-8148.



❖ **The 7<sup>th</sup> Congress of the Romanian Society of Neurology, Bucuresti, May 13<sup>th</sup> – 16<sup>th</sup>, 2009.**

1. **Maier S**, Bălașa R, Bajko Z, Feier C. *Diagnostic pitfalls in Wilson disease – case report*. Rom J Neurol 2009; 8 (Supl 1): 58, ISSN 1843-8148.