

MEMORIU ȘTIINȚIFIC

DRD. PĂTRĂȘCAN ALEXANDRA MIHAELA

Titlul tezei de doctorat: „Optimizarea rezultatelor decompresiunii microvasculare: rolul asistării endoscopice și evaluarea integrată a rezultatelor în nevralgia trigeminală și spasmul hemifacial”

Universitate: Universitatea de Medicină și Farmacie „Carol Davila”, București

Domeniul: Medicină

Conducător științific: Prof. Univ. Dr. Gorgan Radu Mircea

Perioada de desfășurare a studiilor doctorale: 2022-2026

I. Studii

Studii Universitare:

Perioada 2012 - 2018: UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE „CAROL DAVILA”, BUCUREȘTI; FACULTATEA DE MEDICINĂ GENERALĂ; Diplomă de Licență - anul 2018

Studii Doctorale:

Perioada 2022 - prezent: UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE „CAROL DAVILA”, BUCUREȘTI; DOMENIUL MEDICINĂ; Titlul tezei: „Optimizarea rezultatelor decompresiunii microvasculare: rolul asistării endoscopice și evaluarea integrată a rezultatelor în nevralgia trigeminală și spasmul hemifacial”

II. Parcurs profesional

Perioada 2024 - prezent: Medic specialist Neurochirurg - Spitalul Clinic de Urgență „Bagdasar-Arseni”, București

Perioada 2019 - 2024: Medic rezident Neurochirurg - Spitalul Clinic de Urgență „Bagdasar-Arseni”, București

III. Activitate științifică

Lista de lucrări științifice publicate în reviste indexate ISI (*Clarivate Web of Science*)

1. Brehar FM, **Pătrășcan AM**, Andreescu M, Țîrlea L-G, Olteanu S-L, Schallenberg S, et al. Intraventricular mass in a 52-year-old woman. Brain Pathology. 2025;35(3):e70003. <https://doi.org/10.1111/bpa.70003>
2. **Pătrășcan, A.M.**, Brehar, F.M. & Gorgan, R.M. Pivotal Factors for Minimizing the Risks of Therapeutic Failure in Trigeminal Neuralgia and Hemifacial Spasm. Curr Pain Headache Rep 30, 27 (2026). <https://doi.org/10.1007/s11916-025-01449-1>

3. **Pătrășcan, A.M.**; Brehar, F.M.; Gorgan, R.M.; Prună, V.M. The Added Value of Endoscopic Micro-Inspection in Microvascular Decompression for Trigeminal Neuralgia and Hemifacial Spasm: Literature Review and Single-Center Experience. *Neurol. Int.* 2026, 18, 66. <https://doi.org/10.3390/neurolint18040066>
4. **Pătrășcan, A.M.**, Brehar, F.M., Gorgan, R.M. ALEXA-Y: A Proposed Pilot Score Framework for Predicting High-Impact Endoscopic Yield in Microvascular Decompression for Trigeminal Neuralgia and Hemifacial Spasm. *Balneo and PRM Research Journal.* 2026;17(2)

Prezentări și postere în cadrul conferințelor și congreselor naționale și internaționale:

1. Prognostic factors associated with survival for brain metastases, Gorgan Radu Mircea, Ligia Gabriela Tataranu, Vasile Ciubotaru, Viorel Pruna, Aurelia Mihaela Sandu, Ana-Maria Ionita, Ioana Miron, Anamaria Gheorghiu, Ioana Pricopi, Ana Pancu, Mircea Andrian Furtos, Alexandra Patrascan, George Petrescu, 45th Congress of the Romanian Society of Neurosurgery, 2019
2. Correlation between surgical approaches in metastatic spine disease and the elements of Tokuhashi scoring system, Kamel Amira, Alexandra Patrascan, Erik-Corvin Groza, Catalina Lipan, Daniel-Costel Serban, 45th Congress of the Romanian Society of Neurosurgery, 2019
3. Large and giant intracranial meningiomas – balancing between good functional outcome and extent of resection, Alexandra Mihaela Patrascan, Andrei Daniel Pirlea, Nicoleta Diaconu, Teodora Camelia Coman, Irina Tudose, Felix Mircea Brehar, 46th Congress of the Romanian Society of Neurosurgery, 2021
4. Neuronavigation with Microscope Integration – a useful tool for neurosurgeon, Alexandra Mihaela Patrascan, Andrei Daniel Pirlea, Nicoleta Diaconu, Teodora Camelia Coman, Felix Mircea Brehar, 46th Congress of the Romanian Society of Neurosurgery, 2021
5. Previously Gamma Knife irradiated Petrotentorial Meningioma – challenging lesion for optimal surgical resection, Alexandra Mihaela Patrascan, Andrei Daniel Pirlea, Teodora Camelia Coman, Nicoleta Diaconu, Irina Tudose, Felix Mircea Brehar, 46th Congress of the Romanian Society of Neurosurgery, 2021 (Poster)
6. Microvascular compression of the facial nerve by the labyrinthine branch of the anterior inferior cerebellar artery: case report with review of the literature, Andrei Daniel Pirlea, Alexandra Mihaela Patrascan, Teodora Camelia Coman, Jan Ciurea, Irina Tudose, Felix Mircea Brehar, 46th Congress of the Romanian Society of Neurosurgery, 2021 (Poster)
7. From frame-based to frameless stereotactic brain biopsy – a single centre experience, Felix Mircea Brehar, Alexandra Mihaela Patrascan, George Emil Dragos Petrescu, Radu Mircea Gorgan, 47th Congress of the Romanian Society of Neurosurgery, septembrie 2022, Iași
8. Hyperactive dysfunction syndrome of the cranial nerves – the relevance of microvascular decompression, Felix Mircea Brehar, Dan Martin, Alexandra Mihaela Patrascan, Roxana

Radu, Radu Mircea Gorgan, 47th Congress of the Romanian Society of Neurosurgery, septembrie 2022, Iași

9. Qevo micro-inspection tool - the role in modern neurosurgery, Felix Mircea Brehar, Alexandra Mihaela Patrascan, Nicoleta Diaconu, Irina Tudose, Radu Mircea Gorgan, 47th Congress of the Romanian Society of Neurosurgery, septembrie 2022, Iași
10. A noteworthy model of mimicry: clinical and surgical case report of intraventricular primary central nervous system lymphoma, Alexandra Mihaela Patrascan, Amira Kamel, Andrei Popescu, Nicoleta Diaconu, Felix Mircea Brehar, 47th Congress of the Romanian Society of Neurosurgery, septembrie 2022, Iași
11. Central neurocytoma – surgical nuances. Case report. Alexandra Mihaela Patrascan, Amira Kamel, Andrei Popescu, Teodora Camelia Coman, Felix Mircea Brehar, 47th Congress of the Romanian Society of Neurosurgery, septembrie 2022, Iași
12. The Role of Neurosurgeon in Glioma Research. Felix Mircea Brehar, Alexandra Mihaela Pătrășcan, Romanian German Course 2023, Cluj-Napoca, Aprilie 2023
13. Surgical management of hyperactive dysfunction syndrome of the cranial nerves: challenges and nuances, Alexandra Mihaela Patrascan, Andrei Popescu, Nicoleta Diaconu, Felix Mircea Brehar, ANCA – 1st Annual Meeting, mai 2023, Bucuresti (Young Neurosurgeons - premiul III)
14. Simfonia concertante of the brain, Amira Kamel, Alexandra Mihaela Patrascan, Valentina Buzatu, Vasile Ciubotaru, ANCA – 1st Annual Meeting, mai 2023, Bucuresti
15. Hyperactive dysfunction syndrome of the cranial nerves – The relevance of micro-inspection endoscope assisted microvascular decompression, Felix Mircea Brehar, Alexandra Mihaela Pătrășcan, Andrei Popescu. XXV Congress of the European Society for Stereotactic and Functional Neurosurgery, Stockholm, Suedia, 27-30 Septembrie, 2023
16. Shifting from frame-based to frameless stereotactic brain biopsy, Felix Mircea Brehar, Alexandra Mihaela Pătrășcan, George Emil Dragoș Petrescu, Roxana Radu, Radu Mircea Gorgan, XXV Congress of the European Society for Stereotactic and Functional Neurosurgery, Stockholm, Suedia, 27-30 Septembrie, 2023
17. Glioblastoma: Surgical Management and Perspectives. Felix Mircea Brehar, Andrei Popescu, Nicoleta Eugenia Diaconu, Teodora Camelia Coman, Alexandra Mihaela Pătrășcan. 48th Congress of the Romanian Society of Neurosurgery, Târgu Mureș, Romania, 18-21 Octombrie, 2023
18. Intraventricular Tumors: Surgical Nuances. Felix Mircea Brehar, Andrei Popescu, Nicoleta Eugenia Diaconu, Teodora Camelia Coman, Alexandra Mihaela Pătrășcan. 48th Congress of the Romanian Society of Neurosurgery, Târgu Mureș, Romania, 18-21 Octombrie, 2023
19. Glossopharyngeal Nerve Schwannoma - Case Report and Literature Review. Alexandra Mihaela Pătrășcan, Andrei Popescu, Nicoleta Diaconu, Felix Mircea Brehar, The 48th Congress of the Romanian Society of Neurosurgery, Târgu Mureș, Romania, 18-21 Octombrie, 2023
20. Intraventricular Craniopharyngioma - Case Report and Literature Review. Alexandra Mihaela Pătrășcan, Andrei Popescu, Teodora Camelia Coman, Felix Mircea Brehar. The

48th Congress of the Romanian Society of Neurosurgery, Târgu Mureș, Romania, 18-21 Octombrie, 2023

21. Surgical Management of hyperactive dysfunction syndrome of the cranial nerves: challenges and nuances. Felix Brehar, Patrascan Alexandra, Congresul UMFCFCD 2023, 26-28 Octombrie 2023
22. Cerebral vasospasm – What we know and what we are doing. Felix Mircea Brehar, Alexandra Mihaela Pătrășcan. Romanian-German Course 2024, Cluj-Napoca, 18-20 Aprilie
23. Endoscope-assisted microneurosurgery – clinical experience with the QEVO® micro-inspection tool, Alexandra Mihaela Patrascan, Andrei Popescu, Nicoleta Diaconu, Irina Tudose, Felix Mircea Brehar, ANCA – 2nd Annual Meeting, iunie 2024, Bucuresti
24. Glioblastoma – advances in surgical approaches, Felix Mircea Brehar, Alexandra Mihaela Patrascan, Andrei Popescu, Nicoleta Diaconu, Teodora Coman, Irina Tudose - ANCA – 2nd Annual Meeting, iunie 2024, Bucuresti
25. Acute Surgical Treatment in Traumatic Brain Injury – Felix Brehar, Alexandra Mihaela Patrascan - 21st AMN Congress, iunie 2024, Viena, Austria
26. The Promising Applications of 3D Printing Technology in Neurotrauma – Felix Brehar, Alexandra Mihaela Patrascan, George Petrescu - 21st AMN Congress, iunie 2024, Viena, Austria
27. Proteomics Profile of Glioblastoma Recurrence – Alexandra Patrascan, G. Petrescu, A. Popescu, R. Ionita, A. Gafencu, F. Brehar - The 49th Congress of the Romanian Society of Neurosurgery, Sinaia, Romania, 12-14.09.2024
28. Surgical Management of Large and Giant Intracranial Meningiomas – Felix Brehar, Alexandra Patrascan, A. Popescu, N. Diaconu, T. Coman, I. Tudose - The 49th Congress of the Romanian Society of Neurosurgery, Sinaia, Romania, 12-14.09.2024
29. Neurosurgical management of large and giant intracranial meningiomas – preserving quality of life – Felix Brehar, Alexandra Patrascan, Andrei Popescu, Nicoleta Diaconu, Teodora Coman, Irina Tudose. ANCA – 3rd Annual Meeting, 16-17 mai 2025, Bucuresti
30. Sindromul de disfuncție hiperactivă a nervilor cranieni – relevanța decompresiunii microvasculare – Felix Brehar, Alexandra Patrascan. Al XXIII-lea Congres al Societății de Neurologie din România, Sinaia, 4 - 6 iunie 2025
31. Proteomic insights into glioblastoma recurrence, Felix Mircea Brehar, Alexandra Mihaela Pătrășcan, George Emil Dragoș Petrescu - The 50th Congress of the Romanian Society of Neurosurgery, Cluj-Napoca, Romania, 17-20.09.2025
32. Shifting from navigation-guided to robot-assisted stereotactic biopsy: preliminary institutional experience, Felix Mircea Brehar, Alexandra Mihaela Pătrășcan, Andrei Popescu - The 50th Congress of the Romanian Society of Neurosurgery, Cluj-Napoca, Romania, 17-20.09.2025
33. Feasibility and safety of robot-assisted stereotactic biopsy: preliminary institutional experience, Felix Brehar, Alexandra Pătrășcan, George Petrescu, Andrei Popescu, Irina Tudose - Poster ESSFN, 24-27.09.2025, Budapesta, Ungaria
34. Hemangioblastoma – highly vascular tumor of the CNS, Felix Brehar, Alexandra Pătrășcan – EANO, 16-19.10.2025, Praga, Cehia

35. Penetrating Brain Injury: from nadir to pinnacle, Felix Brehar, Alexandra Pătrășcan –
Forumul Național de Neurologie, ediția IV, București, 23-24.04.2026

Student doctorand,

PĂTRĂȘCAN ALEXANDRA MIHAELA