

PERSONAL
INFORMATION

Marian Mitrica

WORK EXPERIENCE

01/01/1990–Present **Medical doctor, Head of the Neurosurgery department**
Central Military Emergency University Hospital "Carol Davila", Bucharest
(Romania)
Head of neurosurgical discipline, UMFCD

2021- present

EDUCATION AND
TRAINING

15/09/1976–Present

EDUCAȚIE SI ACTIVITATE PROFESIONALĂ

1976- 1980 - Absolvent al Liceului Militar " Dimitrie Cantemir" Breaza;

1980- 1986 - Absolvent al Facultatii de Medicina Generala, Bucuresti, media 9.80;

1987- 1990 - Medic stagiar Spitalul Clinic Militar Central "Dr. Carol Davila" Bucuresti;

1990- 1995 - Medic secundar neurochirurg (prin concurs), Spitalul Clinic de Urgenta "Bagdasar- Arseni", Bucuresti;

1995 - 2000 - Medic specialist neurochirurg, Spitalul Clinic Militar Central "Dr. Carol Davila" Bucuresti;

2000 - Medic primar neurochirurg (concurs);

2005 - Sef Sectie Neurochirurgie, Spitalul Clinic de Urgenta Militar Central "Carol Davila"

2008 - Doctor in Neurochirurgie, cu lucrarea: "Valoarea diverselor posibilitati imagistice in diagnosticul tumorilor vertebro-medulare", sub conducerea stiintifica a dl. Prof. Dr. Alexandru Constantinovici;

2021- Sef lucrari UMFCD, Sef disciplina neurochirurgie UMFCD, coordonator rezidenti

A. Lucrări apărute în reviste ISI cu IF

1. Sîrbu OM, Moreanu Mihai-Stelian, Eftimie Lucian-George, Claudiu Socoliuc, Gabriela Simona Toma, Radu Mircea Gorgan, **Marian Mitrica**. Rosette-forming glioneuronal tumor mimicking foramen Monro colloid cyst: Case presentation and systematic literature review. *World Neurosurg.* 2025 Jan 24;123717, [10.1016/j.wneu.2025.123717](https://doi.org/10.1016/j.wneu.2025.123717) Online ahead of print, **IF=1,9**
2. Chele, D.; Sirbu, C. A.; **Mitrică, M.**; Toma, M.; Vasiliu, O.; Sirbu, A. M.; Authier, F.-J.; Mischianu, D.; Munteanu, A. E. Metformin's Effects on Cognitive Function from Biovariance Perspective. 2024, 2024122587. <https://doi.org/10.20944/preprints202412.2587>
3. **Mitrică, Marian**, Lorenzo Lorusso, Alexandru-Andrei Badea, Carmen-Adella Sîrbu, Andreea Pleșa, Ana-Maria Alexandra Stănescu, Florentina Cristina Pleșa, Octavian Mihai Sîrbu, and Alice Elena Munteanu. 2024. "The Hidden Heart: Exploring Cardiac Damage Post-Stroke: A Narrative Review" *Medicina* 60, no. 10: 1699. <https://doi.org/10.3390/medicina60101699>, **IF=2,4**, Q1/2
4. Lupascu, Nicoleta, Ioan Cristian Lupescu, Ionuț Caloianu, Florin Naftanaila, Remus Relu Glogojeanu, Carmen Adella Sirbu, and **Marian Mitrica**. 2023. "Imaging Criteria for the Diagnosis of Progressive Supranuclear Palsy: Supportive or Mandatory?" *Diagnostics* 13, no. 11: 1967. <https://doi.org/10.3390/diagnostics13111967>, **IF=3**, Q1
5. Sirbu CA, Ruxandra G, Pleșa FC, Paunescu A, Țânțu MM*, Nicolae AC; Caloianu I, **Mitrica M**. Cannabis and Cannabinoids in Multiple Sclerosis: From Experimental Models to Clinical Practice—A Review. *American Journal of*

- Therapeutics* 30(3):p e220-e231, May/June 2023.
[DOI: [10.1097/MJT.0000000000001568](https://doi.org/10.1097/MJT.0000000000001568) IF=2,9, Q2
6. Ulmeanu, Mihaela-Elena, Ileana Mariana Mateş, Cristian-Vasile Doicin, **Marian Mitrică**, Vasile Alin Chirteş, Georgian Ciobotaru, and Augustin Semenescu. 2023. "Bespoke Implants for Cranial Reconstructions: Preoperative to Postoperative Surgery Management System" *Bioengineering* 10, no. 5: 544.
<https://doi.org/10.3390/bioengineering10050544>, IF=3,8, Q2
 7. Sirbu, Carmen Adella, Diana Popescu, Ion Stefan, Constantin Stefani, **Marian Mitrica**, and Daniela Anghel. 2022. "COVID-19 Still Surprising Us—A Rare Movement Disorder Induced by Infection" *Brain Sciences* 12, no. 12: 1733.
<https://doi.org/10.3390/brainsci12121733>, IF=2,7, Q3
 8. Sîrbu, Carmen Adella, Dana-Claudia Thompson, Florentina Cristina Plesa, Titus Mihai Vasile, Dragoş Cătălin Jianu, **Marian Mitrica**, Daniela Anghel, and Constantin Stefani. 2022. "Neurorehabilitation in Multiple Sclerosis—A Review of Present Approaches and Future Considerations" *Journal of Clinical Medicine* 11, no. 23: 7003.
<https://doi.org/10.3390/jcm11237003>, IF=3, Q1
 9. Sirbu CA, Nicolescu VM, Nitis AO, Costache RS, Ştefani C, **Mitrică M**, Luncă DC, Anghel D. Retinal migraine, a contentious clinical entity, *Rom J Mil Med*, 2022, 125(4): 571-576, doi:10.55453/rjmm.2022.125.4.5., IF=0,1, Q4
 10. Sirbu, Carmen Adella, Constantin Stefani, **Marian Mitrică**, Gabriela Simona Toma, Aurelian Emil Ranetti, Any Docu-Axelerad, Aida Mihaela Manole, and Ion Stefan. 2022. "MRI Evolution of a Patient with Viral Tick-Borne Encephalitis and Polymorphic Seizures" *Diagnostics* 12, no. 8: 1888.
<https://doi.org/10.3390/diagnostics12081888> IF=3, Q1
 11. Sîrbu, Carmen Adella, Ion Stefan, Rodica Dumitru, **Marian Mitrica**, Aida Mihaela Manole, Titus Mihai Vasile, Constantin

- Stefani, and Aurelian Emil Ranetti. 2022. "Air Pollution and Its Devastating Effects on the Central Nervous System" *Healthcare* 10, no. 7: 1170. <https://doi.org/10.3390/healthcare10071170> IF=2,4, Q2
12. Florea, A. A., Sirbu, C. A., Ghinescu, M. C., Plesa, C. F., Sirbu, A. M., **Mitrica, M.**, Ionita-Radu, F."SARS-CoV-2, multiple sclerosis, and focal deficit in a postpartum woman: A case report". *Experimental and Therapeutic Medicine* 21, no. 1 (2021): 92. <https://doi.org/10.3892/etm.2020.9524>, IF=2,4, Q3
 13. Budisteanu, M., Andrei, E., Linca, F., Hulea, D. S., Velicu, A. C., Mihailescu, I., Riga, S., Arghir, A., Papuc, S. M., Sirbu, C. A., **Mitrica, M.**, Docu-Axelerad, A., Ghinescu, M. C., Dobrescu, I., Rad, F."Predictive factors in early onset schizophrenia". *Experimental and Therapeutic Medicine* 20, no. 6 (2020): 210. <https://doi.org/10.3892/etm.2020.9340> IF=2,4; Q3
 14. Chirtes AV, Mures T, **Mitrica Marian**. Normal pressure hydrocephalus - Diagnosis and therapeutic challenges. *RJMM*, Volume123, Issue 4 Page354-359, 2020, IF=0,1, Q4
 15. Mitrica M, Dumitru RI, Sîrbu CA, Ghinescu MC. The seasonal incidence of intracranial hemorrhages. Volume123 Issue 4 Page 360-365, NOV 2020,IF=0,1, Q4
 16. Sîrbu OM, Chirteş AV, **Mitrică M**, Sîrbu CA. Spinal Intramedullary Epidermoid Cyst: Case Report and Updated Literature Review. *World Neurosurg.* 2020;139:39-50. DOI: [10.1016/j.wneu.2020.03.207](https://doi.org/10.1016/j.wneu.2020.03.207), IF=1,9, Q3/Q2

B. Articole publicate în reviste ISI fără IF

1. Nastase C, **Mitrică M**, Popescu C. News and Perspectives on Treatment of Normal Pressure Hydrocephalus. *RJMM*, Volume 117, Issue 1-2, Page 24-32, 2014

2. **Mitrica M**, Nastase C, Mazilu C, Codorean I. Value of the fusion medical imaging (PET-CT) in vertebral-medular tumors diagnostic. *RJMM*. Volume 113, issue 2, Page 3-13, apr-iun 2010
3. Onose, G; Brehar, FM; Ciurea, AV; Mohan, D; **Mitrica, M**; Bleotu, C; Zarnescu, O; Popescu, C. Nano-technological possible development pathways within targeted-cells therapies for infiltrative glioblastoma cancer stem cells. *TEX TEH III - application of nanotechnologies for textiles*, Page 152-161, Proceedings Paper, 2010. Meeting **International Conference TEX TEH 3 on Application of Nanotechnologies for Textiles**
4. Danaila, Leon; Nastase, Cristian; Gheorghitescu, Lidia; **Mitrica, Marian**. Glioblastoma - present trends. *RJMM*. Volume 111, Issue 1, Page 25-34, 2008

C. Abstracte publicate în reviste ISI cu IF

1. Ivan R, Posirca C, **Mitrica M**, Sirbu A, Plesa F, Sirbu C. COVID-19 infection, depression, and ischemic stroke, *Journal of the Neurological Sciences*, Volume 429, 119802, 2021, 25th World Congress of Neurology (WCN), Roma; **IF=3,7**
2. Ivan R, Posirca C, **Mitrica M**, Sirbu A, Plesa F, Sirbu C. Thyroid dysfunction - An independent risk factor for ischemic stroke in young adults? *Journal of the Neurological Sciences*, Volume 429, 119802, 2021, 25th World Congress of Neurology (WCN), Roma; **IF=3,7**
3. Ivan R, **Mitrica M**, Sirbu OM, Sirbu CA. Multinodular and vacuolating neuronal tumor - advanced MRI features. Sep 2021, pp.23-23, EANO congres, *NEURO-ONCOLOGY*, **IF=16,4;**
4. Posirca MC, Ivan R, Caloianu I, **Mitrica M**, Sirbu CA. Blepharospasm - a network disorder. *Movement disorder* Volume 36, Page S63-S63, Supplement 1, Special Issue, Meeting Abstract 148, **IF= 7,4;**

D. Teza de doctorat

Titlul tezei: "Valoarea diverselor posibilitati imagistice in diagnosticul tumorilor vertebro-medulare", sub conducerea stiintifica a dl. Prof. Dr. Alexandru Constantinovici. Teză susținută public în 24.11.2008, Confirmit prin Ordinul Ministerului Educatiei, Cercetarii si Tineretului 3030/13.01.2009, Diploma seria F nr. 0001265

E. Brevetele de invenții și alte titluri de proprietate industrială

Cranial endoprosthesis with sliding system, used to repair trauma-type defects of brain case, has fixing base plate that is finally assembled when toroidal surface of fixing pocket gets in contact with conjugated surface of protuberance . Patent number: RO133476-A2. Inventors: Doicin C.V., Ulmeanu M. E., Semenescu A, Antoniac V.I., Costoiu M.C., **Mitrica M.**, Murzac R., Chirtes A., Davitoiu D.V., Doicin I.E., Mates I.M. . Patent Assignee Name and Code: UNIV POLITEHNICA DIN BUCURESTI (UYPO-NON-STANDARD) . Derwent Primary Accession Number: 2019-683796.

<https://apps.who.int/medicinedocs/docid/d12022.html>

[Espacenet - Bibliographic data](#)

F. Cărți și capitole din cărți

1. **Marian Mitrica**, Cristian Nastase, Alexandru Constantinovici
“Actualitati in diagnosticule tumorilor vertebro-medulare” Editura Rotech Pro, Bucuresti 2009 ISBN: 978-973-8285-55-2.

2. Carmen Adella Sirbu, **Marian Mitrica** “Sistemul nervos – cazuri clinice interdisciplinare” Editura Universitara “Carol Davila” Bucuresti 2020 ISBN 978-606-011-153-5
3. Alexandru Vlad Ciurea, Stefan Mircea Iencean “Actualitati in tumorile craniene” Editura Universitara Bucuresti 2011; **Marian Mitrica** – Capitolul VI “Simptomatologia tumorilor intracraniene” ISBN: 978-606-591-049-2
4. Alexandru V Ciurea, Cary L Cooper, Eugen Avram “Managementul sistemelor si organizatiilor sanatatii” Editura Universitara “Carol Davila” Bucuresti 2010; **Marian Mitrica** – Capitolul Managementul Calitatii (quality management) ISBN: 978-973-708-439-2
5. Carmen Adella Sirbu “Neurologie – o abordare simpla a unei specialitati complexe” Ed

Carmen Adella Sirbu “Neurologie – o abordare simpla a unei specialitati complexe” Editura Universitara “Carol Davila” Bucuresti 2020; **Marian Mitrica** – Capitolul 20 Traumatismele Cerebrale ISBN: 978-606-011-152-8

G. Articole în baze de date internaționale (BDI)

1. Tarcolean M., Semenscu, A., **Mitrica, M.**, Chirtes, A. V., Stanciu, S., Mates, I. M., & Vitioanu, G. (2016). Role of MIMICS© in Reconstructive Neurosurgery - A Case Study. Key Engineering Materials, 695, 200-204.

<https://doi.org/10.4028/www.scientific.net/kem.695.200>,

<https://www.scientific.net/KEM.695.200>

2. **Mitrică Marian**, Chirteș Alin Vasile, Năftănilă Florin, Ștefanescu Cristian-Dragoș. Polytrauma caused by military aviation accidents in times of peace – Major challenge for modern medicine.

http://medaero.ro/wp-content/uploads/2020/10/3_2020.pdf

3. Marinescu Bogdan; **Mitrică, Marian**, et.al. Reconstruction of large scalp defect after removal of exposed, infected cranioplasty material. *Balkan Military Medical Review*, 2013, Vol 16, p241, ISSN 1107-6275, Academic Journal

<https://openurl.ebsco.com/EPDB%3Agcd%3A6%3A13932502/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A115856642&crl=c>)

4. Năstase, Cristian; **Mitrică, Marian**; Popescu, Cristian; Manole, Horatiu. Penetrating cranio-cerebral injuries - news and perspectives - case presentation. *Balkan Military Medical Review*, 2014, Vol 17, p296, ISSN 1107-6275, Academic Journal, <https://openurl.ebsco.com/EPDB%3Agcd%3A16%3A13932976/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A115899569&crl=c>

H. Alte lucrări și contribuții științifice

Prezentări invitate în plenul unor manifestări științifice internaționale

1. Coautor la lucrarea "Evoked Motor Responses of the Brain, Spinal cord and Roots – Clinical approach" al V-lea Congres Balcanic de Medicină Militară, în Ankara – Turcia, 25-28 septembrie 2000;
2. Coautor la lucrarea " General considerations in military service's ability for the infantry, air force and navy at military personnel depending on neurosurgical techniques in use in lumbar disc herniation treatment. The comparative study between classical and present neurosurgical techniques.", al VI-lea Congres Balcanic de Medicină Militară, Plovdiv – Bulgaria octombrie 2001;

3. Coautor la lucrarea "Kyfoplastia alternativa terapeutica, minim invaziva in fracturile vertebrale pe fond osteoporotic" congresul de medicina militara balcanica 2007
4. Coautor la lucrarea "Tumoral Spinal Cord Compression Syndrom: Clinical Correlation with magnetic resonance imaging findings" 2008 Congresul de Radiologie cu participare internationala
5. Coautor la lucrarea "Multiple cerebral lesion; hazard or genetic determinism" prezentat la Congresul Militar Balcanic 2015
6. Coautor la lucrarea "Ventriculoperitoneal shunt complications" prezentata la Congresul Militar Balcanic 2015

Prezentări invitate în plenul unor manifestări științifice naționale

1. Coautor la lucrarea "Abordul transfenoidal în adenoamele de hipofiză", la al VIII-lea Congres de Neurochirurgie al SRN, 12-15 octombrie 2005, Târgu Mureș, România;
2. Coautor la lucrarea "Implanturile de titan, o alternativă de fuziune după discectomia cervicală", la al VIII-lea Congres de Neurochirurgie al SRN, 12-15 octombrie 2005, Târgu Mureș, România;
3. Coautor la lucrarea "Reducerea spondilolistezisului lombar. Prezentare de caz", la al VIII-lea Congres de Neurochirurgie al SRN, 12-15 octombrie 2005, Târgu Mureș, România;
4. Coautor la lucrarea "Evaluarea imagistică a metastazelor meningeale", la al VIII-lea Congres de Neurochirurgie al SRN, 12-15 octombrie 2005, Târgu Mureș, România;
5. Coautor la lucrarea "Chistul hidatic cerebral" prezentata la Prima Conferinta Nationala de Medicina Militara 2013

6. Coautor la lucrarea “Modern methods in the treatment of fractures of the spine” prezentata la Conferinta “Zilele Spitalului Militar Central Dr Carol Davila” 2016
7. Coautor la lucrarea “Abordul anterior al coloanei vertebrale lombare in echipa multidisciplinara” prezentata la Conferinta “Zilele Spitalului Militar Central Dr Carol Davila” 2017

Alte publicații științifice

- Coautor la articolul: "A 8 years experience in spinal traumas. An analyses on 885 cases. The low lumbar lesions", publicat in revista "Romanian Neurosurgery", 1993
- Coautor la articolul: "Extradural giant hydatid cyst in children. Case presentation", publicat in revista "Romanian Neurosurgery", nr. 1-2, 1995, p. 25-34.
- Coautor la articolul: "Intracerebral haematoma after evacuation of chronic extracerebral fluid collection", publicat in revista "Romanian Neurosurgery" 1996
- Coautor la articolul: "Tratamentul neurochirurgical al spondilolistezisului lombosacrat", publicat in "Revista de Medicina Militara" 1997,
- Coautor la articolul: "The management in lumbar disc herniation at military young patients (soldiers)", publicat in revista "General Surgery", 2000.
- Coautor la articolul: „ Aspecte clinice privind utilizarea sistemelor ultrasonografice în neurochirurgie” publicat în revista "Revista de Medicală Militară", nr.2-3, 2002; p.159-162;
- Autor principal la articolul “Stenoza de canal vertebral lombar elemente de actualitate”, publicat in “Revista Stetoscop” anul 6 nr 64-65 iulie-august 2007
- Coautor la articolul "Plagile craniocerebrale; consideratii generale si principii moderne de tratament", publicat in "Revista de Medicală Militară", nr. 2/ 2007; p. 5-16;
- Coautor la articolul: "Glioblastomul Multiform. Elemente de actualitate" publicat in revista "Revista de Medicală Militară", nr. 1-2, 2008, p. 25-34.
- Coautor la articolul “Impact of changes in extracellular matrix in lumbar degenerative disc” Romanian Neurosurgery
- Autor principal al articolului: “The value of fusion imaging (PET-CT) in the diagnosis of vertebral and spinal tumors” publica in Romanian Neurosurgery, nr 2/2011
- Coautor la cursul de "Neurochirurgie in campanie" 2017
- Autor principal la articolul “Polytrauma caused by military aviation accidents in times of peace – Major challenge for modern medicine” Aeronautical Medicine and Psychology Revue, no. 3, 10.2020

BREVET DE INVENTIE

Cranial endoprosthesis with sliding system, used to repair trauma-type defects of brain case, has fixing base plate that is finally assembled when toroidal surface of fixing pocket gets in contact with conjugated surface of protuberance

Patent number: RO133476-A2

Inventors: Doicin C. V., Ulmeanu M. E., Semenescu A, Antoniac V.I., Costoiu M.C., Mitrica M., Murzac R., Chirtes A., Davitoiu D.V., Doicin I.E., Mates I.M.

Patent Assignee Name and Code: UNIV POLITEHNICA DIN BUCURESTI (UYPO-NON-STANDARD)

Derwent Primary Accession Number: 2019-683796

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B1	B1	B1	B1
Russian	C1	C2	B2	B2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

Common European Framework of Reference for Languages

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Basic user	Basic user	Basic user	Basic user	Basic user

Digital competences - Self-assessment grid