

Andrei Brînzeu

Date Personale

Data naşterii: 11 Septembrie 1981
Locul naşterii: Timișoara, Romania
Naționalitate: Romana

Adresa actuala:

Domiciliu:

Str. Odobescu 39 300327 Timisoara

Profesionala:

Serviciul de Neurochirurgie a SCJUT
Bd. Bilbuca 156, 30030 Timisoara
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Experienta profesionala

Postul actual

Sef Sectie Neurochirurgie din 2024

La Spitalul Clinic Judetean de Urgenta Pius Brînzeu din Timisoara

Conferentiar

Neurochirurgie – Departamentul VIII Neurostiinte
Universitatea de Medicina si Farmacie Victor Babes

Medic Primar Neurochirurg din 2020

La Spitalul Clinic Judetean de Urgenta Pius Brînzeu din Timisoara

Experiența Profesionala

Medic Primar Neurochirurg 2019-2020

Angajat al Hospices Civils de Lyon,
3 Quai des Celestins, 69002, Lyon

La Spitalul Neurologic si Neurochirurgical „Pierre Wertheimer” din Lyon
Serviciul de Neurochirurgie A
59 Bd Pinel, 69003 Lyon, France

Medic Specialist Neurochirurg 2015-2019

La Spitalul Neurologic si Neurochirurgical „Pierre Wertheimer” din Lyon

Medic Rezident Neurochirurg din 2009-2014

La Spitalul Neurologic si Neurochirurgical „Pierre Wertheimer” din Lyon

Medic Rezident Neurochirurg din 2007-2009

La Spitalul Clinic Judetean de Urgenta Pius Brînzeu din Timisoara

Educatie si Formare

2021 Program de formare pentru Managment de Spital: Școala Națională de Sănătate Publică, Management și Perfecționare în Domeniul Sanitar București MS 60 Octombrie 2021 Februarie 2022

2021 Masterat in Managementul Sistemelor de Sanatate: Universitatea de Medicina si Farmacie „Victor Babes” Timișoara

2017 Doctorat in științe medicale cu teza: „**Criterii de selecție pentru decompresia neurovasculara sub microscop operator in cadrul nevralgiei de trigemen**”. – Coordonator: Pr. M Simu, Universitatea de Medicina si Farmacie „Victor Babes” Timișoara

2016 Fellowship European Abbott de Neuromodulare

2015 Master 2 de cercetare in Necunoștiințe cu teza „**Detection of Mismatch Negativity potentials through electrical somatosensory stimulation**” - Coordonator: Pr. Louis Garcia Larrea Université Lyon 1 « Claude Bernard »

2014 Diploma interuniversitara nationala de competenta in „Neurophysiologie clinique” Université de Lile 2 « Droit et Sante » et Université Lyon 1 « Claude Bernard ».

2013-2016 Fellowship de Neurochirurgie Funcțională:

2016 Chirurgia Durerii

2015 Chirurgia Mișcărilor anormale

2014 Chirurgia Epilepsiei

2013 Chirurgia Bazei Craniului

2012 Master 1 in cercetare biomedicala Université Lyon 1 – Faculté de médecine Master 1 – recherche biomédicale : Mentions : Neuro-anatomie et Psychobiologie des comportements

2009-2013 Rezident de Neurochirurgie cu stagii detașate la Spitalul Neurologic si Neurochirurgical „Pierre Wertheimer” din Lyon, Hospices Civils de Lyon, Serviciul de Neurochirurgie A

2007- 2009 Rezident de Neurochirurgie la Spitalul Clinic Județean De Urgenta Timișoara in urma concursului național de rezidențiat 2006

2000 - 2006 Diploma de Medic Universitatea de medicina si Farmacie „Victor Babes” Timisoara clasat locul 3 din 363.

1996-2000 Liceul Bilingv Franco-Roman cu profil matematica-fizica “Jean Louis Calderon” de Timisoara ;

1999 Liceul Local din St. Charles, Michigan, USA cu diploma de absolvire (bursa Soros)

Competente Personale

Limbi vorbite

Romana: limba materna

Engleza: nivel avansat, diploma de absolvire a liceului in Statele unite St. Charles Michigan 1999

Franceza: nivel avansat

certification par l'ambassade de France en Roumanie *d'avoir subi avec succès les épreuves du diplôme de fin d'études secondaires suivant Baccalauréat Section Sciences session de Juin 2000 et au vu de ses connaissances en langue française, est dispensé du test de vérification des connaissances linguistiques requis des étudiants étrangers candidats à une première inscription dans un établissement d'enseignement supérieur français*

Italiana: nivel vorbit mediu

	INTELEGERE		VORBIRE		SCRIRE
	Ascultare	Citire	Participare la conversatie	Discurs Oral	
Franceza	C2	C2	C2	C2	C2
Diploma de Bacalaureat Data de Ambasada Frantei					
Engleza	C2	C2	C2	C2	C2
Diploma de absolvire a liceului in SUA					
Italiana	B2	B2	B1	B1	B1
Germana	A2	A2	A2	A2	A2

Engleza: nivel avansat, diploma de absolvire a liceului in Statele unite St. Charles Michigan 1999

Franceza: nivel avansat

Informatice

Microsoft Office:

Word, PowerPoint – Expertiza oiperationala

Excel – Utilizator expert in constructia de baze de date si analiza statistica

Outlook – Utilizator avansat

Visio – Utilizator avansat

Programe Statistice:

R, R Comander (Program statistica), SPSS, MathLab: Utilizator Avansat

Utilizare de Baze de date stiintifice:

PubMed, Scopus,

Programe de Specialitate:

BrainQuick (Program ElectroNeurofiziologie Procesare Semnal): Utilizator Avansat

EasyLy (Baza Date Spital): Utilizator Avansat

Programe de prelucrare Imagistica: Osirix, Horos, Weasis

Permis de conducere Barca

Publicatii

1. Sindou M, Brinzeu A. Topography of the pain in classical trigeminal neuralgia: insights into somatotopic organization. *Brain*. 2020;143(2):531-540. doi:10.1093/brain/awz407
2. Brinzeu A, Berthiller J, Perret N, Subtil F, Gervaise C, Luaute J, Mertens P; SPIDOL Study Group. SPIDOL study protocol for the assessment of intrathecal ziconotide antalgic efficacy for severe refractory neuropathic pain due to spinal cord lesions. *Trials*. 2024 Sep 7;25(1):595. doi: 10.1186/s13063-024-08387-0. PMID: 39244617; PMCID: PMC11380424.
3. Wirth T, Laurencin C, Berthillier J, Brinzeu A, Polo G, Simon E, Mertens P, Broussolle E, Danaila T, Thobois S. Feasibility of changing for a rechargeable constant current neurostimulator in Parkinson's disease. *Rev Neurol (Paris)*. 2021 Mar;177(3):283-289. doi: 10.1016/j.neurol.2020.02.007. Epub 2020 Apr 15. PMID: 32305140.
4. Ribault S, Simon E, Berthiller J, Polo G, Nunes A, Brinzeu A, Mertens P, Danaila T, Thobois S, Laurencin C. Comparison of clinical outcomes and accuracy of electrode placement between robot-assisted and conventional deep brain stimulation of the subthalamic nucleus: a single-center study. *Acta Neurochir (Wien)*. 2021 May;163(5):1327-1333. doi: 10.1007/s00701-021-04790-7. Epub 2021 Mar 2. PMID: 33649878.
5. Brinzeu A, Berthiller J, Caillet JB, Staquet H, Mertens P. Ziconotide for spinal cord injury-related pain. *Eur J Pain*. 2019 Oct;23(9):1688-1700. doi: 10.1002/ejp.1445. Epub 2019 Aug 29. PMID: 31233255.
6. Mazzucchi E, Brinzeu A, Mertens P, Sindou M. Microsurgical DREZ lesions for the control of cancer-related pain. *Neurosurg Focus Video*. 2020 Oct 1;3(2):V14. doi: 10.3171/2020.7.FOCVID2033. PMID: 36285266; PMCID: PMC9542504.
7. Sindou M, Brinzeu A. Reply: To explore the pain topography of trigeminal neuralgia by compound nerve action potentials. *Brain*. 2020 Oct 1;143(10):e81. doi: 10.1093/brain/awaa237. PMID: 33103735.
8. Marc Sindou, Andrei Brinzeu, Kim Burchiel: Dorsal Root Entry zone lesions for pain pag: 1459-1467 in « Youmans Neurological surgery », Winn H.R. (ed), Elsevier-Saunders, Philadelphia, Seventh edition, 2016, eBook ISBN: 9780323341493, eBook ISBN: 9780323341509, Hardcover ISBN: 9780323287821 4320 pagini – in limba engleza
9. G Georgulis, A Brinzeu, M Sindou: Dorsal Rhizotomy of the lumbo-sacral nerve roots for the treatment of spastic diplegia in cerebral palsy patients in Fessler and Sekhar (eds) in « Atlas of neurosurgical techniques : Spine and Peripheral nerves» 2nd edition, Thieme, New York; 2016 Print ISBN: 9781626230545, E-Book ISBN: 9781626230552 DOI: 10.1055/b-0036-136722
10. A Brinzeu, M Sindou: MVD for arterial hypertension: a review 123-135 in Raymond F. Sekula Jr. Shi- Ting Li Jun Zhong « Microvascular decompressive surgery » Springer Heidelberg – New York – London 2016. e-book ISBN 978-94-017-7366-9, Hardcover ISBN 978-94-017-7365-2, Softcover ISBN 978-94-024-1336-6
11. Marc Sindou, A Brinzeu, J Maarawi "Neurochirurgie de la douleur" 17-700-B-10, 2015, 25 de pagini, Doi : 10.1016/S0246-0378(15)62885-8 in Encyclopédie médico-chirurgicale : Neurologie (Autor Colectiv) 7 Volume 3140 pagini. ISSN 0246-0378, ISBN 9782842995102 Elsevier- Masson SAS 2015 – in limba franceza
12. Marc Sindou, A Brinzeu : "Nevralgie Trigeminal et Neurochirurgie"17-023-A-85, 2018, 15 paginiDoi : 10.1016/S0246-0378(18)86582-4 in Encyclopédie médico-chirurgicale : Neurologie (Autor Colectiv) 7 Volume 3140 pagini. ISSN 0246-0378, ISBN

9782842995102 Elsevier- Masson SAS 2018 – in limba franceza

13. E Mazzucchi A Brinzeu, M Sindou Arachnoiditis as an outcome factor for microvascular decompression in classical trigeminal neuralgia Acta Neurochirurgica: 2019 ANCH-D-19-00543, Doi: 10.1007/s00701-019-03981-7, IF: 1,929 ISSN: 0001-6268 (print), ISSN: 0942-0940 (web)
14. Brinzeu A, Cuny E, Fontaine D, Mertens P, Luyet PP, Van den Abeele C, Djian MC; French SCS Study Group. Spinal cord stimulation for chronic refractory pain: Long-term effectiveness and safety data from a multicentre registry. Eur J Pain. 2019 May;23(5):1031-1044. doi: 10.1002/ejp.1355. Epub 2019 Apr 1. IF: 2,991 ISSN: 1090-3801 (print) ISSN: 1532-2149 (web)
15. Brinzeu A, Dumot C, Sindou M Role of the petrous ridge and angulation of the trigeminal nerve in the pathogenesis of trigeminal neuralgia, with implications for microvascular decompression. Acta Neurochir (Wien). 2018 May;160(5):971-976. doi: 10.1007/s00701-018-3468-1. FI: 1,929 ISSN: 0001-6268 (print), ISSN: 0942-0940 (web)
16. Brinzeu A, Drogba L, Sindou M. Reliability of MRI for predicting characteristics of neurovascular conflicts in trigeminal neuralgia: implications for surgical decision making. J Neurosurg. 2018 Apr 1;1-11. doi: 10.3171/2017.8.JNS171222, IF: 4,381 ISSN: 0022-3085 (print), ISSN: 1933-0693 (web)
17. Brinzeu A, Sindou M. Functional anatomy of the accessory nerve studied through intraoperative electrophysiological mapping J Neurosurg. 2017 Mar;126(3):913-921. doi: 10.3171/2015.11.JNS15817. Epub 2016 Apr 8. ISSN: 0022-3085 (print) ISSN: 1933-0693 (web) FI: 4,381
18. Dumot C, Brinzeu A (autor correspondent), Berthiller J, Sindou M. Trigeminal neuralgia due to venous neurovascular conflicts: outcome after microvascular decompression in a series of 55 consecutive patients. Acta Neurochir (Wien). 2017 Feb;159(2):237-249. doi: 10.1007/s00701-016-2994-y. Epub 2016 Nov 5. FI: 1,929, ISSN: 0001-6268 (print) ISSN: 0942-0940 (web)
19. Sindou M, Mahmoudi M, Brinzeu A : Hypertension of neurogenic origin: effect of microvascular decompression of the CN IX-X root entry/exit zone and ventrolateral medulla on blood pressure in a prospective series of 48 patients with hemifacial spasm associated with essential hypertension. J Neurosurg. 2015 Dec;123(6):1405-13. doi: 10.3171/2014.12.JNS141775. Epub 2015 Jul 31. IF: 3,441 ISSN: 0022-3085 (print) ISSN: 1933-0693 (web)
20. Andrei Brinzeu: Criterii de selecție pentru decompresia microvasculară la pacienții cu nevralgie de trigemen. Coordonator Prof. M Simu. Consultanț: Prof M Sindou. 17 Octombrie 2017 Timișoara. Școala doctorala de Medicina a Universității de Medicina si Farmacie Victor Babeș Timișoara. Teza Doctorat în Științe Medicale
21. Andrei Brinzeu Mismatch Negativity cognitive potential evoked through somatosensory electrical stimulation. Coordonator: Luis Garcia-Larrea. 10 Iunie 2015, Lyon Școala doctorala: Neurosciences et Cognition a Universite de Lyon, France Teza Masterat 2 Cercetare în Neuroștiințe
22. M Sindou A Brinzeu Postoperative complications of microvascular decompression for hemifacial spasm: lessons from experience of 2040 cases Neurosurg Review 2016 Jan 39(1) 158:158 IF: 2,255 ISSN: 0344-5607 (print) ISSN: 1437-2320 (web)
23. Sindou M,, Esqueda-Liquidano M,, Brinzeu A. Microvascular decompression for hemifacial spasm: 3-dimensional operative video. Operative Neurosurgery. 2015 Mar;11

Suppl 2:200; discussion 200. doi: 10.1227/NEU.0000000000000573. IF: 1,670 ISSN: 2332-4252 (print) ISSN: 2332-4260 (web)

24. Georgoulis G, Brînzeu A, Sindou M. Dorsal rhizotomy for children with spastic diplegia of cerebral palsy origin: usefulness of intraoperative monitoring. J Neurosurg Pediatr. 2018 Jul;22(1):89-101. doi: 10.3171/2018.1.PEDS17577. Epub 2018 Apr 13. IF: 2,162 ISSN: 1933-0707 (print) ISSN: 1933-0715 (web)
25. A Brinzeu, L Drogba, M Sindou Letters to the editor: MRI and trigeminal Neuralgia: response J Neurosurg 2019 Feb (130) 668. Doi:10.3171/2018.6.JNS181182 IF: 4,318 ISSN: 0022-3085 (print) ISSN: 1933-0693 (web)
26. Esqueda-Liquidano M, Georgoulis G, Brinzeu A, Sindou M, Ariñez – Barahona E, Arellano– Cervantes R, Flores – Alvarez E Vértigo incapacitante: Descompresión microvascular del nervio vestibular dentro del meato auditivo interno. Descripción técnica. (Disabling vertigo: microvascular decompression of vestibular nerve inside internal auditory canal. Technical description) Revista Mexicana de Neurociencia DOI: 10.31190/rmn.2018.19.4 2017; 18(1):9-19, Fara factor de impact eISSN: 2604-6180, ISSN 1665-5044
27. M Sindou, A Brinzeu From the Laboratory to the operating room: importance of surgical anatomy at the histological scale in neurosurgery. Res Clin Med 2018 2 (2) 1-5 ISSN: 2360-1124
28. C Brinzeu, L Mada, A Brinzeu, A Brinzeu Invited review about the use of antibiotics in a county hospital. a romanian perspective (i) Timisoara Medical Journal 2005 55(2): 113-135. ISSN: 1583-526X (Online Edition) Index Copernicus: <https://journals.indexcopernicus.com/>; embase: <https://www.embase.com/>
29. D Crasnic, D Nistor, I R Siska, M I. Crasnic, R Cioaca, E Suci, A Brinzeu, V Dumitrascu, V Paunescu Adhesion Molecules Expression in Cultured Human Umbilical Endothelial Cells Timisoara Medical Journal 2003 53(1): 112-118. ISSN: 1583-526X (Online Edition) Index Copernicus: <https://journals.indexcopernicus.com/>; embase: <https://www.embase.com/>
30. G. Georgoulis, A. Brinzeu, F. Turjman, M. Sindou Anévrysmes intracrâniens : clippage complémentaire au coiling : « Le danger opératoire des coils expulsés hors du sac dans l'espace cisternal » Neurochirurgie, Volume 57, Issues 4–6, September–December 2011, Page 279, <https://doi.org/10.1016/j.neuchi.2011.09.092> IF 0,702 ISSN: 0028-3770
31. M. Sindou, A. Brinzeu Controverses sur le rôle des conflits vasculaires dans la névralgie trigéminal classique : arguments contre versus pour Neurochirurgie, Volume 63, Issue 1, March 2017, Pages 45-46 <https://doi.org/10.1016/j.neuchi.2016.11.041> IF 0,702 ISSN: 0028-3770
32. L. Drogba, A. Brinzeu, M. Sindou Valeur de l'imagerie par résonance magnétique pour le diagnostic de névralgie trigéminal classique par conflit neurovasculaire (étude prospective dans une série consécutive de 100 patients) Neurochirurgie, Volume 63, Issue 1, March 2017, Page 44 <https://doi.org/10.1016/j.neuchi.2016.11.038> IF 0,702 ISSN: 0028-3770
33. G. Georgoulis, A. Brinzeu, P. Mertens, M. Sindou Exploration neurophysiologique intra-opératoire dans la radicotomie dorsale pour spasticité. Étude prospective sur son utilité dans une série consécutive de 8 patients diplégiques spastiques Neurochirurgie, Volume 63, Issue 1, March 2017, Page 45 <https://doi.org/10.1016/j.neuchi.2016.11.040> IF 0,702 ISSN: 0028-3770

34. A Brinzeu, M. Sindou, P. Mertens Décompression vasculaire microchirurgicale pour névralgie vago-glosso-pharyngienne associé à un syndrome de dis-régulation végétative Neurochirurgie, Volume 57, Issues 4–6, September–December 2011, Page 279 <https://doi.org/10.1016/j.neuchi.2011.09.093> IF 0,702 ISSN: 0028-3770
35. C Dumot, A. Brinzeu, G. Georgoulis, F. Dailler, M. Sindou Sécurité de la position assise : une étude randomisée de non-infériorité Neurochirurgie, Volume 60, Issue 6, December 2014, Page 322 <https://doi.org/10.1016/j.neuchi.2014.10.005> IF 0,702 ISSN: 0028-3770
36. G. Georgoulis, A. Brinzeu, G. Polo, P. Mertens, M. Sindou Traitement de la douleur neuropathique par association de méthodes neurochirurgicales. Illustration par vidéo présentation d'un cas Neurochirurgie, Volume 59, Issue 6, December 2013, Page 248 <https://doi.org/10.1016/j.neuchi.2013.10.074> IF 0,702 ISSN: 0028-3770
37. G. Georgoulis, A. Brinzeu, P. Mertens, M. Sindou Radicotomie dorsale pour le traitement de la spasticité des enfants diplégiques. Abord étagé interlaminaire et monitoring clinique et EMG pour cartographie topographique et testing électrophysiologique Neurochirurgie, Volume 59, Issue 6, December 2013, Pages 228-229 <https://doi.org/10.1016/j.neuchi.2013.10.015> IF 0,702 ISSN: 0028-3770
38. C. Dumot, A. Brinzeu, É. Simon, M. Sindou Place des compressions veineuses dans les névralgies trigéminales primaires traitées par décompression vasculaire pure : à propos d'une série consécutive de 115 cas de conflits veineux Neurochirurgie, Volume 59, Issue 6, December 2013, Page 234 <https://doi.org/10.1016/j.neuchi.2013.10.032> IF 0,702 ISSN: 0028-3770
39. M. Sindou, C. Batailler, A. Brinzeu, E. Simon, P. Mertens Le rôle de l'« effet de chevalet » de l'arête pétreuse sur la racine trigéminal dans la genèse des névralgies trigéminales primaires. Vidéo d'un cas illustratif (3'30) Neurochirurgie, Volume 58, Issue 6, December 2012, Page 421 <https://doi.org/10.1016/j.neuchi.2012.10.039> IF 0,702 ISSN: 0028-3770
40. Brinzeu, M. Sindou, E. Simon, P. Mertens Étude de l'anatomie fonctionnelle (somatotopie) des radicelles du nerf accessoire (XI) par stimulation directe et monitoring EMG, en peropératoire Neurochirurgie, Volume 57, Issues 4–6, September–December 2011, Page 257 <https://doi.org/10.1016/j.neuchi.2011.09.024> IF 0,702 ISSN: 0028-3770
41. Pardey Bracho G.F., Brinzeu A, Lukaszewicz A.-C., Mertens P., Lehot J.J. Friedreich's ataxia (FA), comorbidities and anaesthetic management. European Journal of Anaesthesiology 2017 34 eSupplement 55 06AP01-6 p150 ISSN: 0256-0215 IF: 3,634 (abstract book of the 2017 Geneva ESA congress)
42. Brinzeu A., Dumot C., Georgoulis G., Dailler F., Sindou M., Mertens P Safety of the sitting position. A pseudorandomised non-inferiority methodology study European Journal of Anaesthesiology 2017 34 eSupplement 55 06AP01-6 p165 ISSN: 0256-0215 IF: 3,634 (abstract book of the 2017 Geneva ESA congress)
43. A Brinzeu Surgery for pain in cancer patients Romanian Neurosurgery Journal 2018 32 Supplement Pag 17 ISSN 1220-8841 Abstract book of the 44th Romanian congress of Neurosurgery
44. G Georgulis, A Brinzeu, M Sindou, Dorsal Rhizotomy for children with spastic diplegia – quadriplegia of cerebral palsy origin: intraoperative neuromonitoring. Romanian Neurosurgery Journal 2018 32 Supplement Pag 21 ISSN 1220-8841 Abstract book of the 44th Romanian congress of Neurosurgery
45. A Brinzeu, M Sindou Reliability of MRI for predicting characteristics of the neurovascular

conflicts in trigeminal neuralgia: implication in surgical decision making for microvascular decompression. Romanian Neurosurgery Journal 2018 32 Supplement Pag 21 ISSN 1220-8841 Abstract book of the 44th Romanian congress of Neurosurgery

46. A Brinzeu, M Guenot Clasical temporal lobectomy 3D video presentation. Romanian Neurosurgery Journal 2018 32 Supplement Pag 30 ISSN 1220-8841 Abstract book of the 44th Romanian congress of Neurosurgery
 47. T Idricianu, C Dumot, E Jouanneau, J Guyotat, M Sindou, A Brinzeu Safety of the sitting position a natural radomisation study on 96 patients. Romanian Neurosurgery Journal 2018 32 Supplement Pag 39 ISSN 1220-8841 Abstract book of the 44th Romanian congress of Neurosurgery
 48. D Mitrea, A Brinzeu Review of awake craniotomy for barin tumor resection: interest of neurological testing reference to a clinical case. Romanian Neurosurgery Journal 2018 32 Supplement Pag 77 ISSN 1220-8841 Abstract book of the 44th Romanian congress of Neurosurgery
 49. A Brinzeu, M Sindou Clivability of convexity meningiomas Romanian Neurosurgery Journal 2018 32 Supplement Pag 90 ISSN 1220-8841 Abstract book of the 44th Romanian congress of Neurosurgery
 50. A Brinzeu, M Sindou Outcome after surgery for classical trigeminal neuralgia – comparative study and meta-analysis Abstract book of the 43rd Congress of the Romanian Society of Neurosurgery. Page 61. Fara ISSN/ISBN
 51. A Brinzeu, M Sindou Reliability of varous MRI techniques for the detection of NVC in patients with classical TN Abstract book of the 43rd Congress of the Romanian Society of Neurosurgery. Page 132. Fara ISSN/ISBN
 52. A Brinzeu, C Dumot, M Sindou Outcome after Microvascular Decompression for Trigeminal Neuralgia Due to Venous Neurovascular Conflicts: In a Series of Consecutive Patients in Stereotact Funct Neurosurg 2016;94(suppl 1):1–132 DOI: 10.1159/000448961 #8601 p37 Abstract book of the 22nd Congress of the European Society of Stereotactic and Functional Neurosurgery
 53. A Brinzeu, P Mertens, H Staquet Intrathecal Ziconotide for the Treatment of Sever Chronic Refractory Neuropathic Pain Due to Spinal Cord Lesions in Stereotact Funct Neurosurg 2016;94(suppl 1):1–132 DOI: 10.1159/000448961 #8601 p37 Abstract book of the 22nd Congress of the European Society of Stereotactic and Functional Neurosurgery
 54. M.Sindou, A.Brinzeu, Nevralgia del trigemino e neurochirurgia in[https://doi.org/10.1016/S1634-7072\(18\)41586-3](https://doi.org/10.1016/S1634-7072(18)41586-3) EMC Neurologia ISSN: 1634-7072 in limba italiana.
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Premii

2018 Premiul pentru cea mai buna publicatie in domeniul neurochirurgie functionale pentru anul 2017 acordat de Acta Neurochirurgica in cadrul EANS (European Association of Neurosurgical Societies) la congresul EANS de la Bruxelles.

Burse de studii

2004 Bursa acordata de Fundatia Edinger, Prof. Karl Plate a Institutului de Neuropathologie Edinger a Universitatii « Johan Wolfgang Goethe » din Frankfurt am Main, Germania pentru un stagiul de cercetare (14 luni prevazute) sub coordonarea Dr. Stephan Moma in domeniul celulelor stem neurale
2003 Bursa acordata de UMFT pentru o luna de stagiul introductiv in cercetare la Institutul de Neuropathologie Edinger a Universitatii « Johan Wolfgang Goethe » din Frankfurt am Main, Germania
1998 Bursa castigata prin concurs national (32 de burse acordate din 738 candidati) acordata de « Soros Open Society Foundation » pentru un an de studiu intr-un liceu din SUA (St. Charles, Michigan)

Stagii de cercetare in laborator

6 luni (ianuarie-iunie **2015**) Stagiul de cercetare in cadrul scolii doctorale « Centre de Recherche en Neurosciences de Lyon » CRNL Unitatea INSERM a Pr. Louis Garcia Larrea Intégration centrale de la douleur NEUROPAINE – U 786 pentru Master 2 de Cercetare in Neurostiinte la Universitatea Lyon 1
2013-2014 Participare ca si co-investigat la studiul ESTIMET cu privire la beneficiul stimulării medulare cu electrod SPECIFY 5-6-5.

2012-2013 Participare ca si co-investigat la studiul la studiul CEMKA-Eval Registru post rambursare a stimulatoarelor medulare Medtronic in Franta (vezi articol Eur J Pain 2018)

2012-2013 Participare ca si co-investigat la studiul PRIME – studiu observational cu privire la utilizarea ziconotidului intrathecal.

2009-2013 Stagiul de cercetare in cadrul Master 1 Cercetare Biomedicala la Universitate Lyon 1 realizat in blocul operator al Spitalului Neurologic din Lyon sub coordonarea Pr. Sindou avand ca tematica stimularea intraoperatorie a nervului XI (vezi articol A Brinzeu, M Sindou JNS 2017)
2 luni (august-septembrie **2003**) la Institutul Edinger al Universitatii JW Goethe din Frankfurt am Main, Germania sub coordonarea Dr. Stephan Moma si Pr. Karl H Plate in domeniul celulelor stem neurale.

6 luni (septembrie **2002** – martie **2003**) in Departamentul de Histologie al Universitatii de Medicina si Farmacie « Victor Babes » Timisoara cu Prof. Marius Raica

1 luna (august **2002**) d la Institutul Edinger al Universitatii JW Goethe din Frankfurt am Main, Germania sub coordonarea Pr. Karl H Plate pentru invatarea tehnicilor de baza de biologie moleculara si celulara si a diagnosticului neuropatologic.

3 luni (februarie-aprilie **2002**) in laboratorul de Imunologie al Departamentului de Fiziologie al Universitatii de Medicina si farmacie Timisoara sub coordonarea Prof. Virgil Paunescu in domeniul celulelor stem (vezi articolul D Crasnic din Timisoara Medical Journal 2003).

Proiecte de cercetare (grant)

Participare esentiala la elaborarea proiectului, obtinerea grantului si initierea studiului SPIDOL in cadrul Programului Francez de Cercetare Spitaliceasca, proiect finantat de statul Francez cu 750.000 euro pentru un studiu randomizat multicentric in domeniul durerii neuropatice care recruteaza pacienti incepand cu Septembrie 2019. Dr. Brinzeu va participa ca si CO-Director al proiectului.

Reviewer

Reviewer pentru World Neurosurgery ISSN 1878-8750; IF: 1.924

Reviewer pentru Neuroradiology ISSN 0028-3940; IF 2.346

Reviewer pentru European Journal of Pain

Prezentari la congrese

Prezentari invitate

A Brinzeu Resultats du registre de suivi a deux ans l'implantation d'un stimulateur medullaire Medtronic.

Forum Medflow, Paris 14 Martie 2019

A Brinzeu Motor cortex stimulation. at the 23rd Congress of the European Society of Stereotactic and Functional Neurosurgery in Glasgow, Scotland 26-29 September 2018

A Brinzeu „Ziconotide for spinal cord injury related pain“ 6th International Symposium Invasive Procedures in Motion 2018 2-3 Mars, Notwill, Lucerne, Switzerland

A Brinzeu Intraoperative Neuromonitoring la Conferinta Nationala ASNER, Caciulata 2017

A Brinzeu From The Lab to the OR and all the way back. At the Healthcare, Education and Research Talks in Timisoara, Romania 2017

A Brinzeu: Essential Hypertension and neurovascular compression- is there a relation? 6th Annual EANS Young Neurosurgeons' Meeting: Posterior Fossa and the Craniocervical Junction 7-10 April 2016 Royal college of Surgeons of England, London, UK

A Brinzeu: “Tricks of the trade in trigeminal neuralgia.” 6th Annual EANS Young Neurosurgeons' Meeting: Posterior Fossa and the Craniocervical Junction 7-10 April 2016 Royal college of Surgeons of England, London, UK

A Brinzeu Use of somatosensory evoked potentials in selecting patients for spinal neuromodulation at the 12th World Congress of the International Neuromodulation Society in Montreal, Quebec, Canada June 6-11, 2015

Andrei Brinzeu Intraoperative neurophysiology for intramedullary lesions. Presentation la – al 13lea Congres national al Societe Germane de Anesthesiologie. Workshop pe tematica monitorizarii intraoperatorii. Berlin Octombrie 2013

Prezentari orale

2018

A Brinzeu Surgery for pain in cancer patients. at the 44th Congress of the Romanian Society of Neurosurgery
September 2018 Timisoara, Romania

A Brinzeu, M Sindou Reliability of MRI for predicting characteristics of the neurovascular conflicts in trigeminal neuralgia: implication in surgical decision making for microvascular decompression. at the 44th Congress of the Romanian Society of Neurosurgery September 2018 Timisoara, Romania

A Brinzeu, M Guenot Classical temporal lobectomy 3D video presentation. at the 44th Congress of the Romanian Society of Neurosurgery September 2018 Timisoara, Romania

A Brinzeu, M Sindou Clivability of convexity meningiomas at the 44th Congress of the Romanian Society of Neurosurgery
September 2018 Timisoara, Romania

A Brinzeu, T Brousolle, P Mertens. Longevity of implanted pulse generators in deep brain stimulation, a comparative study. La Congresul Societatii Franceze de Neurochirurgie, Grenoble 2018

2017

Andrei Brinzeu, Marc Sindou: Outcome after surgery for classical trigeminal neuralgia – comparative study and meta-analysis. 3rd Congress of the Southeast Europe Neurosurgical Society September 14-16, 2017, Cluj-Napoca, Romania.

Andrei Brinzeu, Marc Sindou: Reliability of various MRI techniques for the detection of NVC in patients with classical TN. 3rd Congress of the Southeast Europe Neurosurgical Society September 14-16, 2017, Cluj-Napoca, Romania.
Posters aux congres internationaux

2016

A Brinzeu, C Dumot, M Sindou: "Outcome after microvascular decompression for Trigeminal Neuralgia due to venous neurovascular conflicts in a series of consecutive patients." XXIIInd Congress of the European Society for Stereotactic and Functional Neurosurgery. 28 September – 1st of October 2016 Madrid, Spain.

A Brinzeu, P Mertens, H Staquet: "Intrathecal ziconotide for the treatment of severe chronic refractory neuropathic pain due to spinal cord lesions" XXIIInd Congress of the European Society for Stereotactic and Functional Neurosurgery. 28 September – 1st of October 2016 Madrid, Spain.

2015

A Brinzeu, M. Sindou, P. Mertens Décompression vasculaire microchirurgicale pour névralgie vago-glosso-

pharyngienne associé à un syndrome de dis-régulation végétative Neurochirurgie au Congrès de la Société Française de Neurochirurgie Toulouse 2015

2014

Andrei Brinzeu, Emile Simon, Marc Sindou, Patrick Mertens Organizarea somatotopica a nervului accesoriu (In franceza) Organisation somatotopique du nerf accessoire. Etude d'anatomie fonctionnelle par EMG intra opératoire.. la 96eme congrès de l'association des morphologistes, Amiens, Mars 2014.

2011

A. Brinzeu, E.Simon, P. Mertens, M.Sindou Nevralgiile trigeminale prin conflict multiple. Tehnica operatorie de decomprimare (in limba franceza) Névralgies du trijumeau par conflits vasculo-nerveux multiples. Technique opératoire de décompression. , présenté lors du 30eme congrès de la Société Nationale Française de Neurochirurgie, Dijon, France

2007

A Brinzeu, E Oprea, L Mada, A Vacarescu, AM Patrascu, C. Macarie, A Botke, T Singh, AT Brinzeu, C Brinzeu Rata standardizata a mortalitatii interapie intensiva, présenté lors du 25eme congrès de la Société Roumaine d'Anesthésie et de Réanimation, Sinaia, Roumanie

2006

A Brinzeu, E Oprea, L Mada, A Vacarescu, AM Patrascu, C Macarie, A Botke, T Singh, AT Brinzeu, C Brinzeu Predictor de mortalitate in terapie intensiva ;, présenté lors du 24eme congrès de la Société Roumaine d'Anesthésie et de Réanimation, Eforie Nord, Roumanie

2005

A Brinzeu, A Botke, A Vacarescu, Emilia Oprea, T Singh, V Ciocotisan Cost efficiency of antibiotherapy in a romanian ICU, présentation lors du 9ème congrès international pour les étudiants en médecine et jeunes médecins, Timisoara, Roumanie

2003

A Brinzeu, M Raica Celulele D pancreatice, présentation lors du 6ème congrès international pour les étudiants en médecine et jeunes médecins, Timisoara, Roumanie

Postere

2017

Brinzeu A., Dumot C., Georgoulis G., Dailler F., Sindou M., Mertens P Safety of the sitting position. A pseudorandomised non-inferiority methodology study at the 2017 European Society of Anaesthesiology congress in Geneva, Switzerland

Andrei Brinzeu, Marc Sindou: "Clinical and neurophysiological evidence that spinal cord stimulation works through dorsal column fibers. What about dorsal root ganglion stimulation." 17th Quadriennial meeting of the World Society for Stereotactic and Functional Neurosurgery 26-29 June 2017 Berlin, Germany

Andrei Brinzeu, Landry Drogba Marc Sindou: Diagnostic value of MRI for the identification of neurovascular conflicts in patients with classical trigeminal neuralgia. 17th Quadriennial meeting of the World Society for Stereotactic and Functional Neurosurgery 26-29 June 2017 Berlin, Germany

2016

Andrei Brinzeu, C Dumot, J Berthillier, M Sindou. Trigeminal Neuralgia due to venous neurovascular conflicts outcome after microvascular decompression in a series of 86 consecutive patients. Le congrès de l'EANS (Association Europeenne des Societes Neurochirurgicales) 2016, Athenes 2016.

2014

Andrei Brinzeu, C Dumot, P Mertens, E Simon Failure of robotic stereotactic biopsy due to hardness of tumor in a posterior fossa lesion – 2 illustrative cases. Poster la Congersul EANS de la Praga 2014

Andrei Brinzeu, E Simon, P Mertens, M Sindou. Anatomy of the XIth nerve tested through intraoperative neurophysiology. At the 2014 Annual Meeting of the Congress of Neurological Surgeon 18-22 October, Boston, MA, USA

Andrei Brinzeu, C Dumot, G Georgulis, P Mertens, M Sindou. Safety of the sitting position at the 2014 Annual Meeting of the Congress of Neurological Surgeon 18-22 October, Boston, MA, USA

2013

Andrei Brinzeu, Jean-Bernard Caillet, Gustavo Polo, Patrick Mertens Sevrageul dozelor inalte de morfina intratecala prin asociere de metadona orala cu PRIALT intratecal. (in franceza) Sevrage de haute dose de morphine intrathecale par association de méthadone orale et de PRIALT® intrathecal. Poster au - 13eme Congres national de La Societe Francaise d'évaluation et du traitement de la douleur, Paris

2011

A.Brinzeu, D.Patrascu, C.Macarie, C.Brinzeu, A.T. Brinzeu Evolutia abceselor cerebrale dupa introducerea unei terapii standardizate (in fraceza) L'évolution des abcès cérébraux après l'introduction d'une thérapie standardisée, poster au congrès SNCLF , Vienne, Autriche, juin 2011

A.Brinzeu, P.Mertens, M.Sindou Primary idiopathic syringomyelia treatment by sectioning the filum terminale. Poster la congresulm EANS de la Roma

A.Brinzeu, S.Driollet Laspiur, E.Simon, P.Mertens, M.Sindou Siringomieli in aparenta primare. Tratament prin sectionarea filum terminale. (in fraceza) Syringomyélie en apparence primitives. Traitement par section du filum terminale. Cas illustratif. poster présenté lors du 31eme congrès de la Société Nationale de Neurochirurgie, Dijon, France, avril 2011

2010

F Aichaoui, **A Brinzeu**, M Sindou Tehnica si interesul studiului raspunsurilor directe masticatorii si a reflexelor trigemino faciale in tratamentul nevralgiei de trigemen prin termocoagulare prin radiofrecventa (in franceza) Technique et Intérêt de l'étude des réponses directes masticatrices et des reflexes

trigémino-faciaux dans le traitement de la névralgie trigéminalle par thermocoagulation RF
presentation au congrès de neurochirurgie 2010 à Lyon –

2003

A Brinzeu, A Botke, V Ciocotisan, R Mocanu, O Coste, V Paunescu, G Mihalas Diferente de perceptie dureroasa
intre sexe. Poster présenté lors du 12eme congrès de la Société Roumaine de Physiologie, Cluj, Roumanie

Experiența Chirurgicală

Capacități chirurgicale (Operații realizabile și realizate ca prim operator nesupravegheat)

Neurochirurgie generală

Trauma Neurochirurgicală

Chirurgia hidrocefaliei

Chirurgia patologiei spinale degenerative fără instrumentație

Chirurgia tumorilor intraparenchimatoase

Biopsii și exezeze ale tumorilor

Utilizarea neuronavigației

Biopsie stereotaxice

Chirurgie în anestezie vigilență și stimulare

Chirurgia meningiomelor

Chirurgia durerii

Neuromodulare

Stimulare medulară (toate formele)

Stimularea ganglionului dorsal

Chirurgie lezională

DREZ-tomie

Cordotomie

Mielotomie

Radicotomie juxtaprotuberentială

Chirurgia tulburărilor de mișcare

Stimulare cerebrală profundă (toate tipurile de patologii și implantare)

Leziuni intracerebrale

Chirurgia disfuncțiilor de nervi cranieni

Decompresie vasculară

Termocoagulare percutană a nervilor cranieni

Chirurgia spasticității și a handicapului

Neurotomii

DREZ tomii

Chirurgia tumorilor intramedulare

Microchirurgie TIM

Monitorizare PEZ/PEM și PEA, Monitorizare EMG

Chirurgia epilepsiei

Lobectomie temporală clasică

Explorare intracerebrală invazivă (SEEG)

Exereza de focar sub neuronavigație

Calosotomie

Experiența operatorie

Participare în cursul rezidențiatului la peste 1000 de operații din toate domeniile neurochirurgiei în mod special la:

- Chirurgia meningioamelor și a bazei craniului (Pr. M Sindou)
- Chirurgia durerii (Pr. P Mertens, Pr. M Sindou)
- Chirurgia tulburărilor de mișcare (Pr. P Mertens) – stimulare cerebrală profundă
- Chirurgia spasticității și a handicapului (Pr. P Mertens, Pr. M Sindou)
- Chirurgia epilepsiei (Pr. M Guenot)
- Chirurgia tumorilor intraparenchimatoase în anestezie vigilență (Pr. M Guenot)
- Chirurgia tumorilor intramedulare (Pr. M Sindou, Pr. C Barrey)
- Chirurgia disfuncțiilor de nervi cranieni (Pr. M Sindou)

Experiența chirurgicală post rezidențiat în cadrul Spitalului Neurologic Lyon în calitate de chirurg titular este redată în tabelul de mai jos:

Organizare SI Managment

2019 Structurarea proiectului de centru de referinta in neuromodulare in cadrul spitalului Neurologic din Lyon

2014-2019 Coordonator al programului operator al Serviciului de Neurochirurgie A a spitalului Neurologic din Lyon

2013 Participare la elaborarea proiectului « Cease Pain » coordonat de Dr. L Garcia Larrea avand ca obiectiv structurarea unei retele de referinta la nivel European pentru diagnosticul, tratamentul si preventia durerii neuropatice. Proiectul a vizat o finantare europeana dar nu a fost aprobat.

2008 Redactarea proiectului „Ora de aur” pentru a finanta formarea medicilor si asistentelor din regiunea de vest a Romaniei in tratamentul urgentelor neurologice si neurochirurgicale. Proiectul a fost finantat cu 500.000 euro de catre Programul Operational Structural de Dezvoltare a Resurselor Umane din Romanian finantat de Fondurile Structurale Europeene. Proiectul a fost realizat.

2005 Coordonarea unei echipe de zece medici in revizuirea incadrarii financiare a pacientilor externati in anul 2005 din SCJUT. Au fost revazute 35.000 de dosare si au fost corectate 1000 de fise diagnostice obtinundu-se o ajustare a bugetului cu 750.000 euro.

