**Andrei Brînzeu**

# Date Personale

# Data nașterii:

Locul nașterii:

Naționalitate:

**Adresa actuala:**

**Personala:**

**Domiciliu:**

**Profesionala:**

Hopital Neurologique et Neurochirurgical „Pierre Wertheimer” din Lyon

Service de Neurochirugie A, Hopital Neurologique de Lyon, 69003, Lyon

Tel:

Mob:

E-mail:

# Candidat la

# Postul de conferentiar in Neurochirurgie la UMF „Victor Babes” Timisoara

# Catedra VIII Neurostiinte Pozitia 15

# Experienta profesionala

# Postul actual

**Medic Primar Neurochirurg din 2019**

La Spitalul Clinic Judetean de Urgenta Pius Brînzeu din Timisoara

In an sabatic

#### Medic Specialist Neurochirurg din 2015

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

Posturi precedente

#### Medic Rezident Neurochirurg din 2009 pana 2015

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 Rezident Neurochirurg din 2006 pana 2009

Angajat al Spitalul Clinic Judetean de Urgenta Pius Brînzeu din Timisoara

# Educatie si Formare

**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 | | SCIRERE |
|  | Ascultare | Citire | Participare la conversatie | Discurs Oral |  |
| Franceza | C2 | C2 | C2 | C2 | C2 |
|  | Diploma de Bacalaoreat Data de Ambasada Frantei | | | | |
| Engleza | C2 | C2 | C2 | C2 | C2 |
|  | Diploma de absolvire a liceului in SUA | | | | |
| Italiana | A2 | A2 | A2 |  |  |

# Publicatii

# Publicatii importante

1. 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
2. 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
3. A Birnzeu, 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
4. 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 Elseveir- Masson SAS 2015 – in limba franceza
5. Marc Sindou, A Brinzeu : ”Nevralgie Trigeminale 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 Elseveir- Masson SAS 2018 – in limba franceza
6. 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 Manuscript in press, Doi: 10.1007/s00701-019-03981-7, IF: 1,929 ISSN: 0001-6268 (print), ISSN: 0942-0940 (web)
7. 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)
8. 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)
9. Brînzeu 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)
10. Brînzeu 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
11. 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)
12. Sindou M, Mahmoudi M, Brînzeu 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)

# Alte publicatii

1. Andrei Brinzeu: Criterii de selecție pentru decompresia microvasculară la pacienții cu nevralgie de trigemen. Coordonator Prof. M Simu. Consultant: Prof M Sindou. 17 Octombrie 2017 Timișoara. Școala doctorala de Medicina a Universității de Medicina si Farmacie Victor Babeș Timișoara. Teza Doctorat in Științe Medicale
2. Andrei Brinzeu Mismatch Negativity cognitive potential evoked through somatosensory electrical stimulation. Coordonator: Luis Garcia-Larrea. 10 Iunie 2015, Lyon Scoala doctorala: Neurosciences et Cognition a Universite de Lyon, France Teza Masterat 2 Cercetare in Neurostiinte
3. 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)
4. 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)
5. 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)
6. 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)
7. 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
8. 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
9. 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/l
10. D Crasnic, D Nistor, I R Siska, M I. Crasnic, R Cioaca, E Suciu, 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/l
11. 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
12. M. Sindou, A. Brinzeu Controverses sur le rôle des conflits vasculaires dans la névralgie trigéminale 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
13. L. Drogba, A. Brinzeu, M. Sindou Valeur de l’imagerie par résonance magnétique pour le diagnostic de névralgie trigéminale 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
14. 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
15. 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
16. 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
17. 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
18. G. Georgoulis, A. Brinzeu, P. Mertens, M. Sindou Radicotomie dorsale pour le traitement de la spasticité des enfants diplégiques. Abord étagé interlamaire et monitorage 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
19. 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
20. M. Sindou, C. Batailler, A. Brinzeu, E. Simon, P. Mertens Le rôle de l’« effet de chevalet » de l’arête pétreuse sur la racine trigéminale 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
21. Brinzeu, M. Sindou, E. Simon, P. Mertens Étude de l’anatomie fonctionnelle (somatotopie) des radicelles du nerf accessoire (XI) par stimulation directe et monitorage 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
22. 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)
23. 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)
24. 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
25. G Georgulis, A Brinzeu, M Sindou, Dorsal Rhizotomy for chidren 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
26. 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
27. 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
28. 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
29. 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
30. 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
31. 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
32. 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
33. 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 Europeean Society of Stereotactic and Functional Neurosurgery
34. 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 Europeean Society of Stereotactic and Functional Neurosurgery
35. M.Sindou, A.Brinzeu, Nevralgia del trigemino e neurochirurgia inhttps://doi.org/10.1016/S1634-7072(18)41586-3 EMC Neurologia ISSN: 1634-7072 in limba italiana.

# Premii

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

**2006** Premiul 1 la sectiunea postere a celui de-al 32lea congres al Societatii Romane de Anestezie si Reanimare, Eforie Nord, Romania cu Evoluţia rezistentei germenilor in TI din Spitalul Judeţean Timisoara], E Oprea, L Mada, A Vacarescu, AM Patrascu, C. Macarie, A Botke, A. Brinzeu, T Singh, AT Brinzeu, C Brinzeu.

**2005** Premiul 1 la sectiunea prezentari de studii clinice la al 9lea congres international pentru studentii la medicina si tineri medici cu Cost eficiency of antibiotherapy in a romanian ICU A Brinzeu, A Botke, A Vacarescu, E Oprea, T Singh, V Ciocotisan

Premiul 1 la sectiunea prezentari de studii preclinice la al 9lea congres international pentru studentii la medicina si tineri medici cu MSC vs. NSC (Mesenchymal Stem Cells versus Neural Stem Cells) A Brinzeu, A Botke, A Vacarescu, E Oprea, T Singh, V Ciocotisan

**2002** Premiul 1 la sectiunea de postere a congresului Societatii Romane de Stiinte Fiziologice, Cluj, Romania cu Diferenţe de perceptie dureroasa între sexe A Brinzeu, A Botke, V Ciocotisan, R Mocanu, O Coste, V Paunescu, G Mihalas

Premiul 2 la sectiunea prezentari de studii preclinice la al 6lea congres international pentru studentii la medicina si tineri medici cu Celulele D pancreatice A Brinzeu, M Raica

Premiul 3 la sectiunea prezentari de studii preclinice la al 6lea congres international pentru studentii la medicina si tineri medici cu Percepţia dureroasă la tineri, V Ciocotisan, A Brinzeu, A Botke, R Mocanu, O Coste, V Paunescu, G Mihalas

# Burse de studii

# 2004 Bursa acordata de Fundatia Edinger, Prof. Karl Plate a Institutlui de Neuropathologie

# Edinger a Universitatii « Johan Wolfgang Goethe » din Frankfurt am Main, Germania pentru un stagiu de cercetare (14 luni prevazute) sub cooronarea Dr. Stephan Moma in domeniul celuleor stem neurale

# 2003 Bursa acordata de UMFT pentru o luna de stagiu 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 (inauarie-iunie **2015**) Stagiu de cercetare in cadrul scolii doctorale « Centre de Recherche en Neursciences de Lyon » CRNL Unitatea INSERM a Pr. Louis Garcia Larrea Intégration centrale de la douleur NEUROPAIN – U 786 pentru Master 2 de Cercetare in Neurostiinte la Universitatea Lyon 1

2013-2014 Participare ca si co-investigator la studiul ESTIMET cu privire la beneficiul stimuarii medulare cu electrod SPECIFY 5-6-5.

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

**2009-2013** Stagiu 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 celuleler stem neurale.

6 luni (septembrie **2002** – martie **2003**) in Departamentul de Histologie al lUniversitatii 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 articolol 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

# 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 Europeean 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 Neuromonitroing 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 sinal neuromodulation at the 12th World Congress of the International Neuromodulation Society in Montral, 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 Octombire 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 Clasical 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 Neurochirurigie, 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.” XXIInd Congress of the Europeean 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” XXIInd Congress of the Europeean 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 Congres de la Societe Francaise de Neurochirurgie Toulouse 2015

# 2014

# Andrei Brinzeu, Emile Simon, Marc SIndou, Patrick Mertens Organizarea somatotopica a nervului accesor (In franceza) Organisation somathotopique du nerf accessoire. Etude d’anatomie fonctionnelle par EMG intra opératoire.. la 96eme congers de l’association des morphologistes, Amiens, Mars 2014.

# 2011

# A. Brinzeu, E.Simon, P. Mertens, M.Sindou Nevralgiile trigmeinale prin conflcite multiple. Tehnica operatorie de decompressie (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 Predictori 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 eficiency 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 Europeean 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 Quadrienal meeting of the World Society for Sterotactic 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 Quadrienal meeting of the World Society for Sterotactic 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 Europeene des Societes Neurochirugicales) 2016, Athenes 2016.

**2014**

**Andrei Brinzeu,** , C Dumot, P Mertens, E Simon Failure of robotic sterotactic biopsy due to hardness of tumor in a posterior fossa lesion – 2 ilustrative 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 Sevrajul 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’evaluation et du traitment 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’evolution 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 syringomielia treatment by sectioning the filum terminale. Poster la congresulm EANS de la Roma

**A.Brinzeu**, S.Driollet Laspiur, E.Simon, P.Mertens, M.Sindou Siringomielii in aparenta primare. Tratament prin sectionarea filum terminale. (in fraceza) Syringomyélies 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 trigéminale 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

Capcaitati chirurgicale (Operatii relizabile si realizate ca prim operator nesupravegheat)

Neurochirurgie generala

Trauma Neurochirurgicala

Chirurgia hidrocefaliei

Chirurgia patologiei spinale degenerative fara instrumentatie

Chirugia tumorilor intraparenchimatoase

Biopsii si exereze ale tumorilor

Utilizarea neuronavigatiei

Biopsie sterotaxica

Chirugie in anestezie vigila si stimulare

Chirugia meningiomaleor

Chirugia durerii

Neuromodulare

Stimulare medulara (toate formele)

Stimularea gnaglionului dorsal

Chirurgie lezionala

DREZ-tomie

Cordotomie

Mielotomie

Radicotomie juxtaprotuberentiala

Chirugia tulburarilor de miscare

Stimulare cerebrala profunda (toate tipuriel de patologie si implantare)

Leziuni Intracerebrale

Chirurgia disfunctiilor de nervi cranieni

Decompresie vasculara

Termocoagulare percutana a nervilor cranieni

Chirurgia spasticitatii si a handicapului

Neurotomii

DREZ tomii

Chirurgia tumorilor intramedulare

Microchirurgie TIM

Monitorizare PEZ/PEM si PEA, Monitorizare EMG

Chirugia epilepsiei

Lobectomie temporala clasica

Explorare intracerebrala invaziva (SEEG)

Exereza de focar sub neuronavigatie

Calosotomie

**Experienta operatorie**

Participare in cursul rezidentiatului la peste 1000 de operatii din toate domeniile neurochirurgiei in mod special la:

* Chirurgia meningioamelor si a bazei craniului (Pr. M Sindou)
* Chirugia durerii (Pr. P Mertens, Pr. M Sindou)
* Chirurgia tulburarilor de miscare (Pr. P Mertens) – stimulare cerebrala profunda
* Chirurgia spasticitatii si a handicapului (Pr. P Mertens, Pr. M Sindou)
* Chirurgia epilepsiei (Pr. M Guenot)
* Chirurgia tumorilor intraparenchimatoase in anestezie vigila (Pr. M Guenot)
* Chirurgia tumorilor intramedulare (Pr. M Sindou, Pr. C Barrey)
* Chirurgia disfunctiilor de nervi cranieni (Pr. M Sindou)

**Experienta chirurgicala post rezidentiat in cadrul Spitalului Neurologic Lyon in calitate de chirurg titular este redata in tabelul de mai jos:**

|  |  |
| --- | --- |
| Tipul operatiei | Numar 2014-2019 |
| Biopsie stereotaxica | 22 |
| Implantare Stimulator Cerebral Profund | 25 |
| Implantare Stimulator Medular |  |
| Percutan | 60 |
| Chirurgical | 45 |
| DRG | 5 |
| Implantare Pompa Intratecala | 120 |
| Revizie Stimulator Cerebral Profund | 20 |
| revizie Stimulator Medular | 30 |
| Revizie Pompa | 20 |
| Schimbare SCP | 249 |
| Schimbare SM | 93 |
| Schimbare Pompa | 76 |
|  |  |
| Meningioame | 27 |
| Tumori Cerebrale Intraparenchimatoase | 25 |
|  |  |
| Patologie Spinala degenerativa | 43 |
|  |  |
| Trauma Craniana |  |
| Hematom Subdural Cronic | 52 |
| Hematom Subdural Acut | 23 |
| Craniectomie Decompresiva | 20 |
| Heamtom Extradural | 9 |
| Derivatii ventriculare | 25 |
|  |  |
| Malformatie Chiari | 30 |
| Derivatie Syringo-Pleurala | 8 |
|  |  |
| DREZ pentru durere | 15 |
| Cordotomii | 7 |
| Alte chirurgii lezionale pentru durere | 3 |
| Neurotomii pentru spasticitate | 15 |
|  | **1067** |
|  |  |
| Monitorizari Potentiale Evocate intraoperatorii | 65 |
|  |  |
| Garzi (2009-2019) | 310 |

# Organizare

# 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 Europeean pentru diagnosticul, tratamentul si preventia durerii neuropatice. Proiectul a vizat o finantare europeeana 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 incadrariii 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.

**Referenti**

#### Pr. M Sindou

**Service de neurochirurgie A**

**Hôpital Neurologique et neurochirurgical « Pierre Wertheimer » Lyon**

**Secrétariat : 04.72.11.89.01**

[**marc.sindou@chu-lyon.fr**](mailto:marc.sindou@chu-lyon.fr)

**Pr. S Thobois**

**Service de neurologie C**

**Hôpital Neurologique et neurochirurgical « Pierre Wertheimer » Lyon**

**Secrétariat : 04.72.11.89.03**

[**stephane.thobois@chu-lyon.fr**](mailto:stephane.thobois@chu-lyon.fr)

**Pr. M Guenot**

**Service de neurochirurgie A**

**Hôpital Neurologique et neurochirurgical « Pierre Wertheimer » Lyon**

**Secrétariat : 04.72.11.89.00** [**marc.guenot@chu-lyon.fr**](mailto:marc.guenot@chu-lyon.fr)