

**Maria Isabel VARGAS**  
**LISTE DE PUBLICATIONS**

**a - ARTICLES ORIGINAUX PUBLIES OU ACCEPTES DANS LES JOURNAUX A POLITIQUE EDITORIALE**

1. Near-wall hemodynamic parameters quantification in in vitro intracranial aneurysms with 7 T PC-MRI.  
Sache A, Reymond P, Brina O, Jung B, Farhat M, **Vargas MI**. *MAGMA*. 2023 Apr;36(2):295-308. doi: 10.1007/s10334-023-01082-2
2. The impact of transsphenoidal surgery on pituitary function in patients with non-functioning macroadenomas.  
Mavromati M, Mavrakanas T, Jornayvaz FR, Schaller K, Fitsiori A, **Vargas MI**, Lobrinus JA, Merkler D, Egervari K, Philippe J, Leboulleux S, Momjian S. *Endocrine*. 2023 May 24. doi: 10.1007/s12020-023-03400-z
3. Characterization of meningiomas with synthetic imaging.  
Ludovichetti R, Delattre B, Boto J, LaGrange D, Meling T, **Vargas MI**. *Brain Behav*. 2022 Oct 12:e2769. doi: 10.1002/brb3.2769.
4. Relaxation time of brain tissue in the elderly assessed by synthetic MRI.  
Ndengera M, Delattre BMA, Scheffler M, Lövblad KO, Meling TR, **Vargas MI**. *Brain Behav*. 2022 Jan;12(1):e2449. doi: 10.1002/brb3.2449.
5. MicroCT Can Characterize Clots Retrieved With Mechanical Thrombectomy From Acute Ischemic Stroke Patients-A Preliminary Report.\_\_\_\_  
Dumitriu LaGrange D, Braunersreuther V, Wanke I, Berberat J, Luthman S, Fitzgerald S, Doyle KM, Brina O, Reymond P, Platon A, Muster M, Machi P, Poletti PA, **Vargas MI**, Lövblad KO. *Front Neurol*. 2022 Mar 7;13:824091. doi: 10.3389/fneur.2022.824091. eCollection 2022.
6. Association of Brain Atrophy With Disease Progression Independent of Relapse Activity in Patients With Relapsing Multiple Sclerosis. Cagol A, Schaedelin S, Barakovic M, Benkert P, Todea RA, Rahmanzadeh R, Galbusera R, Lu PJ, Weigel M, Melie-Garcia L, Ruberte E, Siebenborn N, Battaglini M, Radue EW, Yaldizli Ö, Oechtering J, Sinnecker T, Lorscheider J, Fischer-Barnicol B, Müller S, Achtnichts L, Vehoff J, Disanto G, Findling O, Chan A, Salmen A, Pot C, Bridel C, Zecca C, Derfuss T, Lieb JM, Remonda L, Wagner F, **Vargas MI**, Du Pasquier R, Lalive PH, Pravatà E, Weber J, Cattin PC, Gobbi C, Leppert D, Kappos L, Kuhle J, Granziera C. *JAMA Neurol*. 2022;79(7):682-692. doi:10.1001/jamaneurol.2022.1025, 10.1001/jamaneurol.2022.1025
7. Magnetic Resonance Imaging or Computed Tomography for Suspected Acute Stroke: Association of Admission Image Modality with Acute Recanalization Therapies, Workflow Metrics, and Outcomes. Fischer U, Branca M, Bonati LH, Carrera E, **Vargas MI**, Platon A, Kulcsar Z, Wegener S, Luft A, Seiffge DJ, Arnold M, Michel P, Strambo D, Dunet V, De Marchis GM, Schelosky L, Andreisek G, Barinka F, Peters N, Fisch L, Nedeltchev K, Cereda CW, Kägi G, Bolognese M, Salmen S, Sturzenegger R, Medlin F, Berger C, Renaud S, Bonvin C, Schaerer M, Mono ML, Rodic B, Psychogios M, Mordasini P, Gralla J, Kaesmacher J, Meinel TR; Investigators of the Swiss Stroke Registry. *Ann Neurol*. 2022 Aug;92(2):184-194. doi: 10.1002/ana.26413. Epub 2022 Jun 10. PMID: 35599442
8. A high-resolution scanning electron microscopy analysis of intracranial thrombi embedded along the stent retrievers.\_\_\_\_Dumitriu LaGrange D, Bernava G, Reymond P, Wanke I, **Vargas MI**, Machi P, Lövblad KO. *Sci Rep*. 2022 May 16;12(1):8027. doi: 10.1038/s41598-022-11830-4

9. Metabolic changes in the cingulate gyrus, precuneus, and white matter in anorexia nervosa using multivoxel MR spectroscopy.  
Regnaud A, Boto J, Klauser A, Lövblad KO, **Vargas MI**, Lazeyras F. [\[ \]](#)  
J Neuroimaging. 2021 Nov;31(6):1099-1110. doi: 10.1111/jon.12922. Epub 2021 Aug 31.  
Impact Factor : 2.47
10. Is Contrast Medium Really Needed for Follow-up MRI of Untreated Intracranial Meningiomas?  
Boto J, Guatta R, Fitsiori A, Hofmeister J, Meling TR, **Vargas MI**. [\[ \]](#)  
AJNR Am J Neuroradiol. 2021 Aug;42(8):1421-1428. doi: 10.3174/ajnr.A7170
11. Incidence, characteristics and clinical relevance of acute stroke in old patients hospitalized with COVID-19  
Mendes A, Herrmann FR, Genton L, Serratrice C, Carrera E, **Vargas MI**, Gold G, Graf CE, Zekry D, Scheffler M.  
BMC Geriatr. 2021 Jan 14;21(1):52. doi: 10.1186/s12877-021-02006-2.
12. COVID-19 encephalopathy: Clinical and neurobiological features.  
Uginet M, Breville G, Assal F, Lövblad KO, **Vargas MI**, Pugin J, Serratrice J, Herrmann FR, Lalive PH, Allali G. J Med Virol. 2021 Jul;93(7):4374-4381. doi: 10.1002/jmv.26973.
13. Comparing dynamic susceptibility contrast perfusion post-processing with different clinically available software among patients affected of a high-grade glioma.  
Delacoste EL, Delattre BMA, Wanyanga P, **Vargas MI**.  
J Neuroradiol. 2020 Oct 13:S0150-9861(20)30279- 0. doi: 10.1016/j.neurad.2020.09.010.
14. Integrating regional perfusion CT information to improve prediction of infarction after stroke. Klug J, Dirren E, Preti MG, Machi P, Kleinschmidt A, **Vargas MI**, Van De Ville D, Carrera E. J Cereb Blood Flow Metab. 2021 Mar;41(3):502-510. doi: 10.1177/0271678X20924549.
15. Cerebrovascular Complications and Vessel Wall Imaging in COVID-19 Encephalopathy-A Pilot Study. Uginet M, Breville G, Hofmeister J, Machi P, Lalive PH, Rosi A, Fitsiori A, **Vargas MI**, Assal F, Allali G, Lovblad KO.  
Clin Neuroradiol. 2021 Mar 26:1-7. doi: 10.1007/s00062-021-01008-2.
16. A method for fast automated assessment of the magnetic resonance parkinsonism index. Scheffler M, Marechal B, Boto J, Lovblad KO, **Vargas MI**. Neuroradiology. 2020;62(6):747-751. doi:10.1007/s00234-020-02380-5, 10.1007/s00234-020-02380-5
17. Large Neck and Strong Ostium Inflow as the Potential Causes for Delayed Occlusion of Unruptured Sidewall Intracranial Aneurysms Treated by Flow Diverter.  
Su T, Reymond P, Brina O, Bouillot P, Machi P, Delattre BMA, Jin L, Lövblad KO, **Vargas MI**.  
AJNR Am J Neuroradiol. 2020 Mar;41(3):488-494. doi: 10.3174/ajnr.A6413.
18. Integrating regional perfusion CT information to improve prediction of infarction after stroke. Klug J, Dirren E, Preti MG, Machi P, Kleinschmidt A, **Vargas MI**, Van De Ville D, Carrera E. J Cereb Blood Flow Metab. 2020 Jun 5:271678X20924549. doi: 10.1177/0271678X20924549.
19. Hemorrhagic Plaques in Mild Carotid Stenosis: The Risk of Stroke.  
Scheffler M, Pellaton A, Boto J, Barnaure I, Delattre BM, Remuinan J, Sztajzel R, Lövblad KO, **Vargas MI**.  
Can J Neurol Sci. 2021 Mar;48(2):218-225. doi: 10.1017/cjn.2020.177.
20. How patient-specific do internal carotid artery inflow rates need to be for computational

fluid dynamics of cerebral aneurysms? [ ]

Najafi M, Cancelliere NM, Brina O, Bouillot P, **Vargas MI**, Delattre BM, Pereira VM, Steinman DA. *J Neurointerv Surg*. 2021 May;13(5):459-464. doi: 10.1136/neurintsurg-2020-015993. Epub 2020 Jul 30.

21. Clot-Based Radiomics Predict a Mechanical Thrombectomy Strategy for Successful Recanalization in Acute Ischemic Stroke. Hofmeister J, Bernava G, Rosi A, **Vargas MI**, Carrera E, Montet X, Burgermeister S, Poletti PA, Platon A, Lovblad KO, Machi P. *Stroke*. 2020 Aug;51(8):2488-2494. doi: 10.1161/STROKEAHA.120.030334. Epub 2020 Jul 20. PMID: 32684141

22. COVID-19-related encephalopathy responsive to high-dose glucocorticoids. Pugin D, **Vargas MI**, Thieffry C, Schibler M, Groscurin O, Pugin J, Lalive PH. *Neurology*. 2020 Sep 22;95(12):543-546. doi: 10.1212/WNL.0000000000010354. Epub 2020 Jul 17. PMID: 32680950 No abstract available.

23. 4D-CT angiography versus 3D-rotational angiography as the imaging modality for computational fluid dynamics of cerebral aneurysms. Cancelliere NM, Najafi M, Brina O, Bouillot P, **Vargas MI**, Lovblad KO, Krings T, Pereira VM, Steinman DA. *J Neurointerv Surg*. 2020 Jun;12(6):626-630. doi: 10.1136/neurintsurg-2019-015389. Epub 2019 Nov 26.

24. Imaging Clot Characteristics in Stroke and its Possible Implication on Treatment. Luthman AS, Bouchez L, Botta D, **Vargas MI**, Machi P, Lovblad KO. *Clin Neuroradiol*. 2020 Mar;30(1):27-35. doi: 10.1007/s00062-019-00841-w. Epub 2019 Oct 10.

25. Compressed sensing MRI of different organs: ready for clinical daily practice? Delattre BMA, Boudabbous S, Hansen C, Neroladaki A, Hachulla AL, **Vargas MI**. *Eur Radiol*. 2020 Jan;30(1):308-319. doi: 10.1007/s00330-019-06319-0.

26. How Flow Reduction Influences the Intracranial Aneurysm Occlusion: A Prospective 4D Phase- Contrast MRI Study. Brina O, Bouillot P, Reymond P, Luthman AS, Santarosa C, Farhat M, Lovblad KO, Machi P, Delattre BMA, Pereira VM, **Vargas MI**. *AJNR Am J Neuroradiol*. 2019 Dec;40(12):2117-2123. doi: 10.3174/ajnr.A6312.

27. Neurovascular stent artifacts in 3D-TOF and 3D-PCMRI: Influence of stent design on flow measurement. Bouillot P, Brina O, Delattre BMA, Ouared R, Pellaton A, Yilmaz H, Machi P, Lovblad KO, Farhat M, Pereira VM, **Vargas MI**. *Magn Reson Med*. 2019 Jan;81(1):560-572. doi: 10.1002/mrm.27352. Epub 2018 Jun 12.

28. A modern multidisciplinary approach to patients suffering from cervical spondylotic myelopathy. Tessitore E, Broc N, Mekideche A, Seeck M, Truffert A, **Vargas MI**, Schonauer C, Schaller K J. *J Neurosurg Sci*. 2019 Feb;63(1):19-29. doi: 10.23736/S0390-5616.16.03724-3. Epub 2016 May 13

29. Feasibility of a Synthetic MR Imaging Sequence for Spine Imaging. **Vargas MI**, Drake-Pérez M, Delattre BMA, Boto J, Lovblad KO, Boudabbous S. *AJNR Am J Neuroradiol*. 2018 Aug 2. doi: 10.3174/ajnr.A5728. [Epub ahead of print]

30. 3D phase contrast MRI: Partial volume correction for robust blood flow quantification in small intracranial vessels. Bouillot P, Delattre BMA, Brina O, Ouared R, Farhat M, Chnafa C, Steinman DA, Lovblad KO, Pereira VM, **Vargas MI**. *Magn Reson Med*. 2018 Jan;79(1):129-140. doi: 10.1002/mrm.26637.

31. MP2RAGE and Susceptibility-Weighted Imaging in Lesional Epilepsy at 7T. Pittau F, Baud M, Jorge J, Xin L, Grouiller F, Iannotti G, Seeck M, Lazeyras F, Vulliémoz S, **Vargas MI**. J Neuroimaging. 2018 Jul;28(4):365-369. doi: 10.1111/jon.12523.
32. Iterative Algorithms Applied to Treated Intracranial Aneurysms. Fitsiori A, Martin SP, Juillet De Saint Lager A, Gariani J, Lovblad KO, Montet X, **Vargas MI**. Clin Neuroradiol. 2018 Jun 19. doi: 10.1007/s00062-018-0701-5.
33. Neurovascular stent artifacts in 3D-TOF and 3D-PCMRI: Influence of stent design on flow measurement. Bouillot P, Brina O, Delattre BMA, Ouared R, Pellaton A, Yilmaz H, Machi P, Lovblad KO, Farhat M, Pereira VM, **Vargas MI**. Magn Reson Med. 2018 Jun 12. doi: 10.1002/mrm.27352
34. Feasibility of synthetic MRI in knee imaging in routine practice. Boudabbous S, Neroladaki A, Bagetakos I, Hamard M, Delattre BM, **Vargas MI**. Acta Radiol Open. 2018 May 11;7(5):2058460118769686. doi: 10.1177/2058460118769686. eCollection 2018 May
35. Errors in power-law estimations of inflow rates for intracranial aneurysm CFD. Chnafa C, Bouillot P, Brina O, Najafi M, Delattre BMA, **Vargas MI**, Pereira VM, Steinman DA. J Biomech. 2018 Sep 13. pii: S0021-9290(18)30727-9. doi: 10.1016/j.jbiomech.2018.09.006.
36. Low Frequency Microstimulation Is Locally Excitatory in Patients With Epilepsy. Bartoli A, Tyrand R, **Vargas MI**, Momjian S, Boëx C. Front Neural Circuits. 2018 Apr 4;12:22. doi: 10.3389/fncir.2018.00022. eCollection 2018.
37. Normal Values of Magnetic Relaxation Parameters of Spine Components with the Synthetic MRI Sequence. Drake-Pérez M, Delattre B, Boto J, Fitsiori A, Lovblad KO, Boudabbous S, **Vargas MI**. AJNR Am J Neuroradiol. 2018 Apr;39(4):788-795. doi: 10.3174/ajnr.A5566.
38. The Catch Mini Stent Retriever for Mechanical Thrombectomy in distal intracranial occlusions. Hofmeister J, Kulcsar Z, Bernava G, Pellaton A, Yilmaz H, Erceg G, **Vargas MI**, Lovblad KO, Machi P. J Neuroradiol. 2018 Feb 1. pii: S0150-9861(17)30459-5. doi: 10.1016/j.neurad.2018.01.051.
39. Hemodynamics of Focal Versus Global Growth of Small Cerebral Aneurysms. Machi P, Ouared R, Brina O, Bouillot P, Yilmaz H, **Vargas MI**, Gondar R, Bijlenga P, Lovblad KO, Kulcsár Z. Clin Neuroradiol. 2017 Dec 5. doi: 10.1007/s00062-017-0640-6. [Epub ahead of print]
40. Chnafa C, Bouillot P, Brina O, Delattre BMA, **Vargas MI**, Lovblad KO, Pereira VM, Steinman DA Vessel calibre and flow splitting relationships at the internal carotid artery terminal bifurcation. Physiol Meas. 2017 Oct 11. doi: 10.1088/1361-6579/aa92bf.
- 41.
42. Challenges of stroke management in resource-limited settings: A case-based reflection. Gadama YG, Mwangalika G, Kinley LB, Jackson B, Mwandumba HC, Mallewa J, Solomon T, Simister R, Benjamin LA, **Vargas MI**, Kamtchum-Tatuene J, Phiri T Malawi Med J. 2017 Jun;29(2):189-193
43. Evaluating anorexia-related brain atrophy using MP2RAGE-based morphometry.

- Boto J, Gkinis G, Roche A, Kober T, Maréchal B, Ortiz N, Lövblad KO, Lazeyras F, **Vargas MI**. Eur Radiol. 2017 Jun 21. doi: 10.1007/s00330-017-4914-9
44. Localization of Deep Brain Stimulation Contacts Using Corticospinal/Corticobulbar Tracts Stimulation.  
Bally JF, **Vargas MI**, Horvath J, Fleury V, Burkhard P, Momjian S, Pollak P, Boex C. Front Neurol. 2017 May 31;8:239. doi: 10.3389/fneur.2017.00239. eCollection 2017.
45. Early specialized care after a first unprovoked epileptic seizure.  
Fisch L, Lascano AM, Vernaz Hegi N, Girardin F, Kapina V, Heydrich L, Rutschmann O, Sarasin F, **Vargas MI**, Picard F, Vulliémoz S, Héritier-Barras AC, Seeck M. J Neurol. 2016 Dec;263(12):2386-2394.
46. Dynamic Contrast-Enhanced MR Perfusion of Intradural Spinal Lesions.  
Cuvinciuc V, Viallon M, Barnaure I, **Vargas MI**, Lovblad KO, Haller S. AJNR Am J Neuroradiol. 2017 Jan;38(1):192-194. doi: 10.3174/ajnr.A4995.
47. A modern multidisciplinary approach to patients suffering from cervical spondylotic myelopathy.  
Tessitore E, Broc N, Mekideche A, Seeck M, Truffert A, **Vargas MI**, Schonauer C, Schaller K J Neurosurg Sci. 2016 May 13. [Epub ahead of print]
48. Virtual-versus-Real Implantation of Flow Diverters: Clinical Potential and Influence of Vascular Geometry.  
Bouillot P, Brina O, Yilmaz H, Farhat M, Erceg G, Lovblad KO, **Vargas MI**, Kulcsar Z, Pereira VM. AJNR Am J Neuroradiol. 2016 Nov;37(11):2079-2086. doi: 10.3174/ajnr.A4845.
49. Etiology of Intracranial Arterial Stenosis: Are Transcranial Color-Coded Duplex Ultrasound and 3T Black Blood MR Imaging Complementary?  
Perren F, **Vargas MI**, Kargiotis O. J Neuroimaging. 2016 Jul;26(4):426-30. doi: 10.1111/jon.12315.
50. Presurgical brain mapping in epilepsy using simultaneous EEG and functional MRI at ultra-high field: feasibility and first results.  
Grouiller F, Jorge J, Pittau F, van der Zwaag W, Iannotti GR, Michel CM, Vulliémoz S, **Vargas MI**, Lazeyras F. MAGMA. 2016 Jun;29(3):605-16. doi: 10.1007/s10334-016-0536-5.
51. Radiological signs of the syndrome of the trephined.  
Vasung L, Hamard M, Soto MC, Sommaruga S, Sveikata L, Leemann B, Vargas MI. Neuroradiology. 2016 Jun;58(6):557-568. doi: 10.1007/s00234-016-1651-8. Epub 2016 Feb 23.
52. Geometrical deployment for braided stent.  
Bouillot P, Brina O, Ouared R, Yilmaz H, Farhat M, Erceg G, Lovblad KO, **Vargas MI**, Kulcsar Z, Pereira VM. Med Image Anal. 2016 May;30:85-94. doi: 10.1016/j.media.2016.01.006.
53. Assessment of intra-aneurysmal flow modification after FDS placement with 4D flow MRI  
V Mendes Pereira, B Delatre, O Brina, R Ouared, P Bouillot, KO Lovblad, **MI Vargas**  
J Neurointerv Surg. 2014 Oct 3. pii: neurintsurg-2014-011348. doi: 10.1136/neurintsurg-2014-011348.
54. Diagnosis of acute ischemic lesions using dual-energy unenhanced CT in patients treated with mechanical thrombectomy  
J Caetano, V Cuvinciuc, VM Pereira, I Momjian-Mayor, RF Sztajzel, KO Lovblad, **MI Vargas**

- J Neurointerv Surg. 2015 Nov 3. pii: neurintsurg-2015-011988. doi: 10.1136/neurintsurg-2015-011988.
55. Evaluation of electrode position in deep brain stimulation by image fusion (MRI and CT) I Barnaure I, P Pollak S Momjian , J Horvath, K Lovblad, C Boëx, J Remuinan, P Burkhard , **MI Vargas**.  
Neuroradiology. 2015 Sep;57(9):903-8. doi: 10.1007/s00234-015-1547-z.
56. Yield of non-invasive state-of-the-art imaging techniques in epilepsy surgery candidates A Lascano , T Perneger , S Vulliemoz , L Spinelli , V Garibotto , C Korff , **MI Vargas** , S Momjian, K Schaller K, C Michel , M Seeck.  
Clin Neurophysiol. 2015 May 9. pii: S1388-2457(15)00314-4. doi: 10.1016/j.clinph.2015.03.025
57. All in one interictal presurgical in patients with epilepsy: single session EEG-PET-(f) MRI F Grouiller , BM.A. Delattre, F Pittau, S Heinzer, F Lazeyras, L Spinelli, GR. Iannotti, M Seeck, O Ratib, **MI. Vargas**, V Garibotto , S Vulliemoz  
Eur J Nucl Med Mol Imaging. 2015 Jun;42(7):1133-43. doi: 10.1007/s00259-015-3045-2. Epub 2015 Apr 17.
58. Phase I study of sorafenib combined with radiation therapy and temozolomide as first-line treatment of high-grade glioma.  
Hottinger AF, Aissa AB, Espeli V, Squiban D, Dunkel N, **Vargas MI**, Hundsberger T, Mach N, Schaller K, Weber DC, Bodmer A, Dietrich PY.  
Br J Cancer. 2014 May 1. doi: 10.1038/bjc.2014.209.
59. Magnetic resonance-guided shielding of prefocal acoustic obstacles in focused ultrasound therapy: application to intercostal ablation in liver.  
R Salomir, L Petrusca, V Auboiroux, A Müller, **MI Vargas**, DR. Morel, T Goget, J Hopple, R Breguet, S Terraz, X Montet, CD. Becker, M Viallon.  
Invest Radiol. 2013 Jun;48(6):366-80. doi: 10.1097/RLI.0b013e31827a90d7.
60. 3D fat-saturated T1 SPACE sequence for the diagnosis of cervical artery dissection.  
V Cuvinciuc, M Viallon, I Momjian-Mayor, RF Sztajzel , **MI Vargas**  
Neuroradiology. 2013 May;55(5):595-602. doi: 10.1007/s00234-013-1141-1. Epub 2013 Jan 25.
61. Approaches for the optimization of MR protocols in clinical hybrid MRI-PET studies.  
**MI Vargas**, M Becker, V Garibotto, S Heinzer, P Loubeyre, J Caetano, K Lovblad, JP Vallée, O Ratib.  
MAGMA. 2013 Feb;26(1):57-69. doi: 10.1007/s10334-012-0340-9. Epub 2012 Sep 25.
62. Clinical applications of PET-MR hybrid imaging in neuroradiology.  
V Garibotto, S Vulliemoz, S Heinzer, Guignard, M Wissmeyer, F Assal, D. Weber, M Seeck, KO Lovblad, H Zaidi, O Ratib, **MI Vargas**.  
Clin Nucl Med. 2013 Jan;38(1):e13-8. doi: 10.1097/RLU.0b013e3182638ea6.
63. Epileptogenic lesion quantification in MRI using contralateral 3D texture comparisons.  
Jiménez del Toro OA, Foncubierta-Rodríguez A, Vargas Gómez MI, Müller H, Depeursinge A.  
Med Image Comput Comput Assist Interv. 2013;16(Pt 2):353-60.
64. Electroencephalographic source imaging: a prospective study of 152 operated epileptic patients.  
V Brodbeck, L Spinelli, AM Lascano, M Wissmeier, **MI Vargas**, S Vulliemoz, C Pollo, K Schaller, CM Michel, M Seeck  
Brain. 2011 Oct;134(Pt 10):2887-97. doi: 10.1093/brain/awr243.

65. Diffusion tensor imaging analysis with tract-based spatial statistics of the white matter abnormalities after epilepsy surgery.  
D Nguyen, **MI Vargas**, N Khaw, M Seeck, J Delavelle, KO Lovblad, S Haller  
Epilepsy Res. 2011 May;94(3):189-97. doi: 10.1016/j.eplesyres.2011.02.001. Epub 2011 Mar 5.
66. Dynamic MR angiography (MRA) of Spinal Vascular Diseases at 3T.  
**MI Vargas**, D Nguyen, M Viallon, Kolcar Z, E Tessitore, D Rufenacht, K Lovblad  
Eur Radiol. 2010 Oct;20(10):2491-5. Epub 2010 May 16.
67. Diffusion tensor imaging (DTI) and tractography of the brachial plexus: Feasibility and initial experience in neoplastic conditions.  
**MI Vargas**, M Viallon, D Nguyen, J Delavelle, M Becker  
Neuroradiology. 2010 Mar;52(3):237-45.
68. Electrical Source Imaging for Presurgical Focus Localization in Epilepsy Patients with normal MRI.  
V Brodbeck, L Spinelli, AM. Lascano, C Pollo, K Schaller, **MI Vargas**, M Wissmeyer, CM. Michel, M Seeck .  
Epilepsia. 2010 Apr;51(4):583-91. doi: 10.1111/j.1528-1167.2010.02521.x. Epub 2010 Feb 26.
69. Interictal arterial spin-labeling MRI perfusion in intractable epilepsy.  
N Pendse, M Wissmeyer, S Altrichter, **MI Vargas**, J Delavelle, M Viallon, A Federspiel, M Seeck, K Schaller, KO Lövblad.  
J Neuroradiol. 2010 Mar;37(1):60-63.
70. MRI with fibre tracking in Cogan congenital oculomotor apraxia.  
L Merlini, **MI Vargas**, R De Haller, B Rilliet, J Fluss.  
Pediatr Radiol. 2010 Oct;40(10):1625-33. doi: 10.1007/s00247-010-1653-3. Epub 2010 May 7.
71. Brain and spine: MR artifacts at 3 Tesla .  
**MI Vargas**, J Delavelle, R Kohler, Ch. Becker, K Lovblad.  
J Neuroradiol. 2009 May;36(2):74-81.
72. Imaging compatible electrodes for continuous electroencephalogram monitoring in the intensive care unit.  
S Vulliemoz, S Perrig, D Pellise, **MI Vargas**, Y Gasche, JR Ives, M Seeck  
J Clin Neurophysiol. 2009 Aug;26(4):236-43.
73. Post-ictal deficit mimicking stroke: role of perfusion CT.  
K Masterson, **MI Vargas**, J Delavelle.  
J Neuroradiol. 2009 Mar;36(1):48-51.
74. Clinical applications of diffusion tensor tractography of the spinal cord.  
**MI Vargas**, J. Delavelle, H. Jlassi, B. Rilliet, M. Viallon, Ch. Becker, K-O Lövblad  
Neuroradiology. 2008 Jan;50(1):25-9.
75. High-resolution and functional magnetic resonance imaging of the brachial plexus using an isotropic 3D T2 STIR (Short Term Inversion Recovery) SPACE sequence and diffusion tensor imaging.  
M Viallon, **MI Vargas**, H Jlassi, KO Lövblad, Delavelle J.  
Eur Radiol. 2008 May;18(5):1018-23.
76. Clinical findings, electroneuromyography, and MR imaging in trauma of the brachial plexus.  
**MI Vargas**, J Beaulieu, MR Magistris, D Della Santa, J Delavelle.

J Neuroradiol. 2007 Oct; 34(4):236-242.

77. Les kystes épidermoïdes du quatrième ventricule. À propos de 4 cas.  
H Marin, **MI Vargas**, M Grebici-Guessoum, V Lenz, N Klein, JF Bin, A Bogorin, Zöllner, P Boyer, JL Dietemann.  
Journal of Neuroradiology, 2002; 29 : 146-152.

## CASE REPORT

78. A tumor like no other.

Corniola MV, Egervari K, **Vargas MI**, Meling TR. J Neurosurg Sci. 2023 Feb;67(1):130-132. doi: 10.23736/S0390-5616.21.05345-5.

79. Non-Invasive Versus Invasive Treatment Options for Challenging and Progressive Infundibulitis.

Nieke JP, **Vargas MI**, Meyer P, Seebach JD, Jandus P.

Am J Med. 2022 Apr;135(4):453-455. doi: 10.1016/j.amjmed.2021.10.031. Epub 2021 Nov 20. PMID: 34813736

80. Extradural Spinal Meningioma Mimicking a Schwannoma: Magnetic Resonance Imaging Findings.

Garaud S, Boto J, Egervari K, **Vargas MI**. Can J Neurol Sci. 2022 May;49(3):467-469. doi: 10.1017/cjn.2021.120. Epub 2021 Jun 2.

81. Answer to Letter to the Editor: High-resolution Black Blood Vessel Wall Imaging in COVID-19 Encephalopathy-is it Really Endotheliitis?

Uginet M, Breville G, Hofmeister J, Machi P, Lalive PH, Rosi A, Fitsiori A, **Vargas MI**, Assal F, Allali G, Lövblad KO. Clin Neuroradiol. 2022 Mar;32(1):297-298. doi: 10.1007/s00062-021-01113-2.

82. New Insight in Hyperinsulinism/Hyperammonemia Syndrome by Magnetic Resonance Imaging and Spectroscopy.

Gariani K, Klausner A, **Vargas MI**, Lazeyras F, Tran C. Brain Sci. 2022 Mar 15;12(3):389. doi: 10.3390/brainsci12030389. PMID: 35326344

83. Teaching NeuroImage: Pontine Owl-Eyes Lesions in a Case of Neuroborreliosis.

Borgeaud S, **Vargas MI**, Lalive PH. Neurology. 2021 Oct 21;10.1212/WNL.0000000000013009. doi: 10.1212/WNL.0000000000013009.

84. A tumor like no other.

Corniola MV, Egervari K, **Vargas MI**, Meling TR. J Neurosurg Sci. 2021 Mar 11. doi: 10.23736/S0390-5616.21.05345-5. Online ahead of print. PMID: 33709671 No abstract available.

85. Successful treatment of central nervous system lymphoproliferative disorder in a kidney-pancreas and stem cell transplanted patient using intrathecal rituximab.

Anastasiou M, Mamez AC, Masouridi S, **Vargas MI**, Hadaya K, Egervari K, Chalandon Y. BMJ Case Rep. 2021 Aug 5;14(8):e238236. doi: 10.1136/bcr-2020-238236. PMID: 34353823

86. Extradural Spinal Meningioma Mimicking a Schwannoma: Magnetic Resonance Imaging Findings.

Garaud S, Boto J, Egervari K, **Vargas MI**. Can J Neurol Sci. 2021 Jun 2;1-3. doi: 10.1017/cjn.2021.120.

87. Single-hole, ruptured parenchymal arteriovenous fistula of the mesencephalon: not known vascular malformation of the brain or a posthemorrhagic entity?



Kulcsár Z, Machi P, **Vargas MI**, Schaller K, Lovblad KO. *Ideggyogy Sz.* 2021 Mar 30;74(3-4):126-128. doi: 10.18071/isz.74.0126.PMID: 33938666

88. Clonal Evolution of a High-Grade Pediatric Glioma With Distant Metastatic Spread. Marinari E, Dutoit V, Nikolaev S, **Vargas MI**, Schaller K, Lobrinus JA, Dietrich PY, Tsantoulis P, Migliorini D. *Neurol Genet.* 2021 Feb 15;7(2):e561. doi: 10.1212/NXG.0000000000000561. eCollection 2021 Apr. PMID: 33898738

89. Visual field restoration after Simpson grade I resection of symptomatic occipital lobe meningioma: illustrative case and review of the literature. Corniola MV, Bouthour W, **Vargas MI**, Meling TR. *Acta Neurochir (Wien).* 2021 Jan;163(1):67-71. doi: 10.1007/s00701-020-04569-2.

90. Mycobacterium fortuitum disseminated infection in an immunocompetent patient without predisposing factors. d'Incau S, **Vargas MI**, Calmy A, Janssens JP. *BMJ Case Rep.* 2020 Sep 29;13(9):e235842. doi: 10.1136/bcr-2020-235842.PMID: 32994269

91. Upbeat vertical nystagmus after brain stem cavernoma resection: a rare case of nucleus intercalatus/nucleus of roller injury. Meling TR, Nouri A, May A, Guinand N, **Vargas MI**, Destrieux C. *J Neurol.* 2020 May 26. doi: 10.1007/s00415-020-09891-4.

92. Application of Automated Brain Segmentation and Fiber Tracking in Hemimegalencephaly. Boto J, Kober T, **Vargas MI**. *Can J Neurol Sci.* 2019 Jan 22;1-3. doi: 10.1017/cjn.2018.381.

93. Clinical Reasoning: Rapid progression of reversible cognitive impairment in an 80-year-old man. Bouthour W, Sveikata L, **Vargas MI**, Lobrinus JA, Carrera E. *Neurology.* 2018 Dec 11;91(24):1109-1113.

94. BRAF/MEK double blockade in refractory anaplastic pleomorphic xanthoastrocytoma. Migliorini D, Aguiar D, **Vargas MI**, Lobrinus A, Dietrich PY. *Neurology.* 2017 Mar 28;88(13):1291-1293. doi: 10.1212/WNL.0000000000003767. Impact factor : 7.6

95. Central nervous system graft-versus-host disease (CNS-GvHD) after allogeneic haematopoietic stem cell transplantation. Polchlopek Blasiak K, Simonetta F, **Vargas MI**, Chalandon Y. *BMJ Case Rep.* 2018 Jan 12;2018. pii: bcr-2017-221840. doi: 10.1136/bcr-2017-221840.

96. Palaram H, Carrera E, Vargas MI, Kleinschmidt A, Fleury V. Familial hemifacial spasm of young-onset: Report of two cases. *J Neurol Sci.* 2017 Feb 15;373:83-85. doi: 10.1016/j.jns.2016.12.034.

97. Callosal disconnection syndrome after ischemic stroke of the corpus callosum due to meningococcal meningitis: A case report. Marchi NA, Ptak R, Wetzel C, **Vargas MI**, Schnider A, Nicastro N. *J Neurol Sci.* 2016 Oct 15;369:119-20. doi: 10.1016/j.jns.2016.08.009.

98. Intracranial subarachnoid fat arising from a comminuted sacral fracture. J Piveteau A, Boto J, **Vargas MI**

J Neuroradiol. 2016 Jul;43(4):305-6. doi: 10.1016/j.neurad.2016.03.011.

99. Cerebral CSF cyst as a rare complication of ventriculoperitoneal shunt.  
Kalovidouri A, Boto J, Vargas MI. J Neuroradiol. 2016 Jul;43(4):303-5. doi:  
10.1016/j.neurad.2016.03.010. Epub 2016 May 6.

100. Severe early basal ganglia hypometabolism in neurodegeneration with brain iron accumulation.

Mainta IC, Tabouret-Viaud C, Horvath J, **Vargas MI**, Garibotto V.  
Eur J Nucl Med Mol Imaging. 2016 Mar 19. [Epub ahead of print]

101. Stroke-like Phenomena Revealing Multifocal Cerebral Vasculitis in Pediatric Lyme Neuroborreliosis.

Kurian M, Pereira VM, Vargas MI, Fluss J. J Child Neurol. 2015 Aug;30(9):1226-9. doi:  
10.1177/0883073814552104. Epub 2014 Oct 14.

102. Incidental intrasphenoidal encephalocele(ise).

Stefanelli S, Barnaure I, Momjian S, Seeck M, Constantinescu I, Lovblad KO, **Vargas MI**.  
J Neuroradiol. 2014 Jul 3. pii: S0150-9861(14)00186-2. doi: 10.1016/j.neurad.2014.02.005. [Epub  
ahead of print] No abstract available.

103. Atypical brainstem presentation of posterior reversible encephalopathy syndrome (PRES).

Barnaure I, Horvath J, Lovblad KO, **Vargas MI**.  
J Neuroradiol. 2014 May; 41(2):143-4. doi: 10.1016/j.neurad.2013.05.002.

104. Mid-hindbrain malformations due to drugs taken during pregnancy.

Merlini L, Fluss J, Douib A, **MI Vargas**, M Becker  
J Child Neurol. 2014 Apr;29(4):538-44. doi: 10.1177/0883073812474345. Epub 2013 Feb 5.

105. Hippocampal sclerosis and chronic epilepsy following posterior reversible encephalopathy syndrome.

Kapina V, **Vargas MI**, Wohlrab G, Vulliemoz S, Fluss J, Seeck M.  
Epileptic Disord. 2013 Dec; 15(4):451-4. doi: 10.1684/epd.2013.0617.  
PMID: 24515311 [PubMed - indexed for MEDLINE]

106. Atypical brainstem presentation of posterior reversible encephalopathy syndrome (PRES).

I Barnaure, J Horvath, KO Lovblad, **MI Vargas**  
J Neuroradiol. 2013 Jul 9. doi:pii: S0150-9861(13)00053-9. 10.1016/j.neurad.2013.05.002.

107. Illustrating the relevance of updated diagnostic criteria for sporadic Creutzfeldt-Jakob disease: a teaching neurocase.

J Kamtchum, **MI Vargas**, K Burkhardt, M Chofflon.  
BMJ Case Rep. 2013 Aug 28; 2013. doi:pii: bcr2013010061. 10.1136/bcr-2013-010061.

108. Cerebral venous thrombosis due to cryptogenic organising pneumopathy with antiphospholipid syndrome worsened by heparin-induced thrombocytopenia.

J Hsieh, I Kuzmanovic, **MI Vargas**, Momjian-Mayor I.  
BMJ Case Rep. 2013 Jul 9; 2013. doi:pii: bcr2013009500. 10.1136/bcr-2013-009500.

109. Duplication of the extracranial internal carotid artery analyzed by MRI.

Scheffler M, Cuvinciuc V, Lovblad KO, **Vargas MI**.  
Can J Neurol Sci. 2013 May; 40(3):423-5.

110. Bilateral internal carotid artery stenosis complicating acute sinusitis.

Joseph TK, Momjian-Mayor I, **Vargas MI**, Sztajzel R.

Pract Neurol. 2013 Apr 12.

111. Dentate nuclei and Wernicke's encephalopathy.

H Zourdani, I Hamya, V Cuvinciuc, K Lovblad, **MI Vargas**

J Neuroradiol. 2013 Jul;40(3):225-7. doi: 10.1016/j.neurad.2012.07.002. Epub 2013 Feb 20.

112. Tracking the source of cerebellar epilepsy: hemifacial seizures associated with cerebellar cortical dysplasia.

AM. Lascano, A Lemkaddem, C Granziera, CM Korff, C Boex, B Jenny, T Schmitt-Mechelke JP Thiran, V Garibotto, **MI Vargas**, K Schaller, M Seeck, S Vuillimoz

Epilepsy Res. 2013 Jul; 105(1-2):245-9. doi: 10.1016/j.eplesyres.2012.12.10. Epub 2013 Feb 1.

113. Peripheral nerves, tumors and hybrid PET-MRI.

**MI Vargas**, V Garibotto, M Viallon, R Guignard, V Cuvinciuc, K Lovblad, O Ratib

Clin Nucl Med. 2013 Jan; 38(1):e40-2. doi: 10.1097/RLU.0b013e31824c6013.

114. Postoperative EEG in Hemimegalencephaly.

Sheybani L, Korff C, Maier O, **Vargas MI**, Schaller K, Seeck M.

Eur Neurol. 2012 Dec 5; 68(6):358-360.

115. Corticotroph pituitary stone.

Korchi AM, Momjian S, **Vargas MI**.

Can J Neurol Sci. 2012 Jan; 39(1):89-90.

116. A PET-MRI Case of Corticocerebellar Diaschisis After Stroke.

Garibotto V, **Vargas MI**, Lovblad KO, Ratib O.

Clin Nucl Med. 2011 Sep; 36(9):821-5.

117. Pearls & oy-sters: a distinctive watershed area in the vertebrobasilar territory.

Mégevand, **MI Vargas**, H Yilmaz, F Picard

Neurology. 2011 Sep 6; 77(10):1016-8.

118. Migraine associated with reversible and non reversible vascular lesion.

**MI Vargas**, D Nguyen, R Sztajzel, A Coeytaux, M Becker, Jacqueline Delavelle.

J Radiol. 2010 Dec; 91(12-C1):1320-1322.

119. Simultaneous Doppelganger and limb amputation impression in right frontal opercular stroke.

Nsimire Chabwine J, Granziera C, **Vargas MI**, Aboulaffia T, Caratsch L, Schnider A, Landis T, Perren F.

J Neurol Neurosurg Psychiatry. 2011 Nov;82(11):1209-11. doi: 10.1136/jnnp.2010.221333.

120. Late onset of Leucoencephalopathy with cerebral calcifications and cysts (LCC).

A Coeytaux, A Lobrinus, J Horvath, M Kurian, **MI Vargas**.

J Neuroradiol. 2011 Dec; 38(5):319-20. Epub 2011 Jan 20.

121. Radiological approach and findings of septic neurological complications of Lemierre's Syndrome. **MI Vargas**, D Nguyen, K Lovblad

European Journal of Radiology Extra 74 (2010), pp. 37-39 DOI information:

10.1016/j.ejrex.2010.03.004

**122.** Refractory temporal seizures with crossed cerebellar diaschisis.

D Nguyen, J Delavelle, KO Lovblad, **MI Vargas**

European Journal of Radiology. Extra 73 (2010), pp. e81-e84

123. Answer to april e-quiz. Giant capillary telangiectasia of the pons.  
LV Luong Trinh, **MI Vargas**, J Delavelle.  
J Radiol. 2010 Apr;91(4):521-3.
124. VGKC antibody-associated encephalitis: does subcortical microbleeds cause progressive atrophy?  
V Kapina, **MI Vargas**, S Vuillemoz, A Vincent, F. Picard, PH. Lalive.  
Journal of Neurology, Neurosurgery & Psychiatry. J Neurol. 2010 Mar; 257(3):466-8. Epub 2009 Nov 6.
125. Giant plexiform neurofibroma in neurofibromatosis type 1.  
E Savva, **MI Vargas**, JY Beaulieu, A Truffert, K Burkhardt, JA Lobrinus, PR Burkhard.  
Arch Neurol. 2010 Mar; 67(3):356-7.
126. Coincidence of cervical spondylotic myelopathy and intramedullary ependymoma: a potential diagnostic pitfall.  
AR Kurzbuch, B Rilliet **MI Vargas**, C Boex, Tessitore.  
Journal of Neurosurg Spine. 2010 Mar;12(3):249-52.
127. Mild Influenza-associated encephalopathy/encephalitis with rapidly reversible splenial lesion in a Caucasian child with additional cerebellar features. European journal of paediatric neurology.  
J Fluss, S Ferey, C Menache-Starobinski, J Delavelle, P Van Boagert, **MI Vargas**.  
Eur J Paediatr Neurol. 2010 Jan;14(1):97-100.
128. Unusual cerebellar presentation of Wernicke's encephalopathy.  
**MI Vargas**, D Nguyen, M Scheffler, JL Dietemann, J Delavelle.  
Rev Neurol. 2009 Dec 16-31;49(12):668-9.
129. Symptomatic syringomyelia occurring as a late complication of posterior fossa medulloblastoma removal in infancy in a boy also suffering from scaphocephaly.  
Y El Hassani, K Burkhardt, J Delavelle, **MI Vargas**, C Boex, B Rilliet.  
Childs Nerv Syst. 2009 Dec;25(12):1633-7  
Impact factor: 1.214
130. Central pontine myelinolysis: MR findings.  
**MI Vargas**, R Kohler, K Lovblad, J Delavelle  
Rev Neurol. 2009 Jun 16-30;48(12):654-5.
131. Temporal anterior Encephalocele.  
**MI Vargas**, S Vuillemoz, A Rosset, M Seeck, J Delavelle.  
Neurology. 2008 Oct 14;71(16):1293.
132. MRI neurography and diffusion tensor imaging of a sciatic perineuroma in a child.  
L Merlini, M Viallon, G De Coulon, JA Lobrinus, **MI Vargas**.  
Pediatr Radiol. 2008 Jun 26.
133. Spinal extradural meningiomas: MRI findings in two cases.  
**MI Vargas**, M Abu Eid, A Bogorin, R Beltechi, P Boyer, G Zöllner, JL Dietemann.  
J Neuroradiology, 2004, 31, 214-219.
134. Siderosis of the brain and spinal cord : Report of two cases.  
H Marin, **MI Vargas**, A Bogorin, V Lenz, JM Warter, C Jacques, JF Bin, JL Tritschler, AM Eber, F Veillon, JL Dietemann  
Journal of Neuroradiology, 2003, 30, 60-64

135. Successful angiographic embolization of a mycotic aneurysm of the ileo-colic artery. PA Poletti, **MI Vargas**, C.D Becker. *Abdominal Imaging* 2001, 26: 651-653

**b. ARTICLES DE REVUES PUBLIES DANS LES JOURNAUX A POLITIQUE EDITORIALE**

136. Non-stenotic Carotid Plaques in Embolic Stroke of Unknown Source. Kamtchum-Tatuene J, Nomani AZ, Falcione S, Munsterman D, Sykes G, Joy T, Spronk E, **Vargas MI**, Jickling GC. *Front Neurol*. 2021 Sep 22;12:719329. doi: 10.3389/fneur.2021.719329. eCollection 2021.

137. Imaging of the spine and spinal cord: An overview of magnetic resonance imaging (MRI) techniques.

**Vargas MI**, Boto J, Meling TR. *Rev Neurol (Paris)*. 2021 May;177(5):451-458. doi: 10.1016/j.neurol.2020.07.005. Epub 2020 Aug 12. PMID: 32800350 **Free article**. Review.

138. 7T Epilepsy Task Force Consensus Recommendations on the Use of 7T MRI in Clinical Practice.

Opheim G, van der Kolk A, Markenroth Bloch K, Colon AJ, Davis KA, Henry TR, Jansen JFA, Jones SE, Pan JW, Rössler K, Stein JM, Strandberg MC, Trattnig S, Van de Moortele PF, **Vargas MI**, Wang I, Bartolomei F, Bernasconi N, Bernasconi A, Bernhardt B, Björkman-Burtscher I, Cosottini M, Das SR, Hertz-Pannier L, Inati S, Jurkiewicz MT, Khan AR, Liang S, Ma RE, Mukundan S, Pardoe H, Pinborg LH, Polimeni JR, Ranjeva JP, Steijvers E, Stufflebeam S, Veersema TJ, Vignaud A, Voets N, Vulliemoz S, Wiggins CJ, Xue R, Guerrini R, Guye M. *Neurology*. 2021 Feb 16;96(7):327-341.

139. The Perplexity Surrounding Chiari Malformations - Are We Any Wiser Now?

Hiremath SB, Fitsiori A, Boto J, Torres C, Zakhari N, Dietemann JL, Meling TR, **Vargas MI**. *AJNR Am J Neuroradiol*. 2020 Nov;41(11):1975-1981. doi: 10.3174/ajnr.A6743. Epub 2020 Sep 17. PMID: 32943418

140. Incidentalomas in Spine and Spinal Cord Imaging.

Hiremath SB, Boto J, Regnaud A, Etienne L, Fitsiori A, **Vargas MI**. *Clin Neuroradiol*. 2019 Mar 18. doi: 10.1007/s00062-019-00773-5.

141. Morphological and Advanced Imaging of Epilepsy: Beyond the Basics.

Fitsiori A, Hiremath SB, Boto J, Garibotto V, **Vargas MI**. *Children (Basel)*. 2019 Mar 11;6(3). pii: E43. doi: 10.3390/children6030043. Review.

142. Neuroimaging of acute and chronic unilateral and bilateral thalamic lesions.

Tuttle C, Boto J, Martin S, Barnaure I, Korchi AM, Scheffler M, **Vargas MI**. *Insights Imaging*. 2019 Feb 22;10(1):24. doi: 10.1186/s13244-019-0700-3. Review.

143. Diagnostic approach to Encephalitis and Meningoencephalitis in Adult Returning Travellers.

Kenfak A, Eperon G, Schibler M, Lamoth F, **Vargas MI**, Stahl JP. *Clin Microbiol Infect*. 2019 Jan 29. pii: S1198-743X(19)30028-X. doi: 10.1016/j.cmi.2019.01.008.

144. Diagnostic tools to tackle infectious causes of Encephalitis and Meningoencephalitis in immunocompetent adults in Europe.

Schibler M, Eperon G, Kenfak A, Lascano A, **Vargas MI**, Stahl JP. *Clin Microbiol Infect*. 2019 Jan 14. pii: S1198-743X(18)30847-4. doi: 10.1016/j.cmi.2018.12.035.

145. Diagnostic tools for immune causes of encephalitis.

Lascano AM, **Vargas MI**, Lalive PH. *Clin Microbiol Infect*. 2018 Dec 22. pii: S1198-743X(18)30800-0. doi: 10.1016/j.cmi.2018.12.012.

146. Advanced magnetic resonance imaging (MRI) techniques of the spine and spinal cord in children and adults.  
**Vargas MI**, Delattre BMA, Boto J, Gariani J, Dhouib A, Fitsiori A, Dietemann JL. Insights Imaging. 2018 Aug;9(4):549-557. doi: 10.1007/s13244-018-0626-1.
147. Clinical applications of diffusion weighted imaging in neuroradiology.  
Drake-Pérez M, Boto J, Fitsiori A, Lovblad K, **Vargas MI**. Insights Imaging. 2018 Aug;9(4):535-547. doi: 10.1007/s13244-018-0624-3.
148. Hybrid PET-MRI in Alzheimer's Disease Research.  
Mainta IC, **Vargas MI**, Trombella S, Frisoni GB, Unschuld PG, Garibotto V. Methods Mol Biol. 2018;1750:185-200. doi: 10.1007/978-1-4939-7704-8\_12.
149. Clinical Neuroimaging Using 7 T MRI: Challenges and Prospects.  
**Vargas MI**, Martelli P, Xin L, Ipek O, Grouiller F, Pittau F, Trampel R, Gruetter R, Vulliemoz S, Lazeyras F. J Neuroimaging. 2018 Jan;28(1):5-13. doi: 10.1111/jon.12481.
150. Vascular Imaging Techniques of the Spinal Cord.  
**Vargas MI**, Barnaure I, Gariani J, Boto J, Pellaton A, Dietemann JL, Kulcsar Z. Semin Ultrasound CT MR. 2017 Apr;38(2):143-152. doi: 10.1053/j.sult.2016.07.004.
151. Herpes simplex encephalitis as a complication of neurosurgical procedures: report of 3 cases and review of the literature.  
Jaques DA, Bagetakou S, L'Huillier AG, Bartoli A, **Vargas MI**, Fluss J, Kaiser L. Virol J. 2016 May 23;13:83. doi: 10.1186/s12985-016-0540-4.
152. 4D Flow MRI in Neuroradiology: Techniques and Applications.  
Pereira VM, Delattre B, Brina O, Bouillot P, **Vargas MI**. Top Magn Reson Imaging. 2016 Apr;25(2):81-7. doi: 10.1097/RMR.000000000000082.
153. FDG PET/MR imaging in major neurocognitive disorders.  
Mainta CI, Perani D, Delattre MA, Assal F, Haller S, **Vargas IM**, Zekry SD, Frisoni BG, Zaidi H, Ratib O, Garibotto V. Curr Alzheimer Res. 2016 Jun 20.
154. CT imaging selection in acute stroke.  
Bouchez L, Sztajzel R, **Vargas MI**, Machi P, Kulcsar Z, Poletti PA, Pereira VM, Lövblad KO. Eur J Radiol. 2017 Nov;96:153-161. doi: 10.1016/j.ejrad.2016.10.026.
155. Spinal cord ischemia, practical imaging tips, pearls and pitfalls  
**MI Vargas**, J Gariani, R Sztajzel, I Barnaure-Nachbar, B. M. Dellatre, KO Lovblad, JL Dietemann. AJNR Am J Neuroradiol. 2015 May;36(5):825-830. Epub 2014 Oct 16. Review. Impact Factor: 3.566
156. Orbital tumours and tumour-like lesions: exploring the armamentarium of multiparametric imaging.  
Purohit BS, **Vargas MI**, Ailianou A, Merlini L, Poletti PA, Platon A, Delattre BM, Rager O, Burkhardt K, Becker M. Insights Imaging. 2016 Feb;7(1):43-68. doi: 10.1007/s13244-015-0443-8. Epub 2015 Oct
157. Aspects opératoires et péri-opératoires de la stimulation cérébrale profonde  
S Momjian, C Boex, E Pralong, **MI Vargas**, B Draganski, J Horvath, J Bloch Rev Med Suisse. 2015 Apr 29;11(472):972-4, 976.

158. Three-Dimensional MR Imaging of the Brachial Plexus.  
**Vargas MI**, Gariani J, Delattre BA, Dietemann JL, Lovblad K, Becker M.  
Semin Musculoskelet Radiol. 2015 Apr;19(2):137-48. doi: 10.1055/s-0035-1546300.  
Impact factor : 0,9
159. Neuroimaging of Diving-Related Decompression Illness: Current Knowledge Perspectives.  
Kamtchum Tatuene J, Pignel R, Pollak P, Lovblad KO, Kleinschmidt A, **MI Vargas**  
AJNR Am J Neuroradiol. 2014 Nov;35(11):2039-2044. Epub 2014 Jun 12. Review.  
Impact factor: 3.566
160. The fornix and limbic system.  
KO Lövblad , K Schaller , **MI Vargas**  
Semin Ultrasound CT MR. 2014 Oct;35(5):459-73. doi: 10.1053/j.sult.2014.06.005. Epub 2014 Jun 25.
161. Imaging lesions of the cavernous sinus.  
MA Korchi , V Cuvinciuc, J Caetano, M Becker, KO Lovblad, **MI Vargas**  
Diagn Interv Imaging. 2014 Sep;95(9):849-859. doi: 10.1016/j.diii.2013.04.013. Epub 2013 Jun 12. Review.
162. Diagnostic neuroradiology for the interventional neuroradiologist.  
Pereira VM, **Vargas MI**, Marcos A, Bijlenga P, Narata AP, Haller S, Lövblad KO.  
World J Radiol. 2013 Nov 28;5(11):386-97. doi: 10.4329/wjr.v5.i11.386.
163. Neuroimagerie par TEP/IRM hybride.  
V Garibotto, C Tabouret-Viaud, O Rager, S Vulliemoz, B Delattre, S Haller, M Wissmeyer, M Seeck, KO Lovblad, H Zaidi, G Gold, O Ratib , D Zekry, **MI Vargas**  
Médecine Nucléaire, Volume 37, Issues 10–11, October–November 2013, Pages 561–566
164. Review of the principal extra spinal pathologies causing sciatica and new MRI approaches.  
A Ailianou, A Fitsiori, A Syrogiannopoulou, S Toso, M Viallon, L Merlini, J-Y Beaulieu, **MI Vargas**  
Br J Radiol. 2012 Jun;85(1014):672-81. doi: 10.1259/bjr/84443179. Epub 2012 Feb 28.
165. Neuroimaging of the vulnerable plaque.  
KO Lovblad, VM Pereira, V Garibotto<sup>2</sup>, F Assal<sup>3</sup>, JP Willi<sup>2</sup>, R Stztajzel<sup>3</sup>, O Ratib,  
**MI Vargas**  
Curr vasc pharmacol. 2013 Oct 3.
166. Review of the principal extra-spinal pathologies causing sciatica and new approaches by magnetic resonance imaging (MRI). Ailianou A, Fitsiori A, Syrogiannopoulo A, Viallon M, Merlini L, Beaulieu JY, **Vargas MI**.  
Br J Radiol. 2012 Jun;85(1014):672-81.
167. Malformations of cortical development of the human brain: A pictorial essay.  
A Fitsiori, F Lazeyras, M Seeck, D Nguyen, A Ailianou, J Delavelle, Vargas MI.  
J Neuroradiol. 2012 Oct;39(4):205-17. doi: 10.1016/j.neurad.2011.06.002.
168. CT and MR angiography of traumatic vascular injuries of the neck.  
Kohler R, **Vargas MI**, Masterson K, Lövblad K, Mendes Pereira V, Becker M.  
AJR Am J Roentgenol. 2011 Jun;196(6):W800-9.
169. The Corpus Callosum: White matter or Terra Incognita.  
A Fitsiori, D Nguyen, A Karentzos, J Delavelle, MI Vargas

Br J Radiol. 2011 Jan;84(997):5-18.

170. Look for the nerves! MR neurography adds essential diagnostic value to routine MRI in pediatric practice: A pictorial overview.

L Merlini , **MI Vargas**, M Anooshiravani , M Viallon, F Joël , S Hanquinet .  
J Neuroradiol. 2011 Jul;38(3):141-7. Epub 2011 Jan 12

171. New approaches in imaging of the brachial plexus.

**MI Vargas**, M Viallon , D. Nguyen , JY Beaulieu , J Delavelle, M Becker.  
Eur J Radiol. 2010 May; 74(2):403-10. Epub 2010 Mar

172. Imaging of the optic nerve.

M Becker, K Masterson, J Delavelle, M Viallon, **MI Vargas**, C Becker.  
Eur J Radiol. 2010 May; 74(2):299-313. Epub 2010 Apr 21. Review.

173. Magnetic resonance imaging of infections of the white matter.

**MI Vargas**, VM Pereira, S Haller, A Ailianou, J Horvath, F Lazeyras, KO Lövblad.  
Top Magn Reson Imaging. 2009 Dec; 20(6):325-31.

174. Magnetic resonance imaging of vascular diseases of the white matter.

KO Lövblad, F Assal, VM Pereira, **MI Vargas**, R Sztajzel, S.Haller  
Top Magn Reson Imaging. 2009 Dec; 20(6):343-8

175. Magnetic resonance imaging of metabolic diseases of the cerebral white matter.

**MI Vargas**, L Merlini, S Haller, V Cuvinciuc, G Schroth, VM Pereira, KO Lövblad.  
Top Magn Reson Imaging. 2009 Dec; 20(6):333-41.

176. Magnetic resonance imaging in multiple sclerosis.

S Haller, VM Pereira, PH Lalive, M Chofflon, **MI Vargas**, KO Lövblad.  
Top Magn Reson Imaging. 2009 Dec; 20(6):313-23.

177. Magnetic resonance imaging techniques in white matter disease: potentials and limitations.

S Haller, VM Pereira, F Lazeyras, **MI Vargas**, KO Lövblad.  
Top Magn Reson Imaging. 2009 Dec; 20(6):301-12.

178. Pathology of the trigeminal nerve.

M Becker, R Kohler, **MI Vargas**, M Viallon, J Delavelle.  
Neuroimag Clin N Am 2008; 18 (2): 283-307

179. Neuro-imaging of cerebral ischemic stroke.

KO Lövblad, S Altrichter, M Viallon, R Sztajzel, J Delavelle, **MI Vargas**, M El-Koussy, A Federspiel, L Sekoranja.  
J Neuroradiol. 2008 Oct;35(4):197-209. Epub 2008 Mar 10. Review

180. Normal and abnormal meningeal enhancement: MRI features.

JL Dietemann, RC Correia Bernardo, A Bogorin, M Abu Eid, M Koob, T Nogueira  
**MI Vargas**, W Fakhoury, G Zöllner  
Journal de Radiologie 2005 ; 86 : 1659-1693

181. Imaging in acute toxic encephalopathy.

JL Dietemann, C Botelho, T. Nogueira, **MI Vargas**, C Audibert, M Abu Eid, A Bogorin, R Bernardo, C Jacques, S Kremer, G Zollner.  
Journal of Neuroradiology, 2004, 31, 313-326



182. Brain MR imaging of chronic alcoholism.

**MI Vargas**, V Lenz, JF Bin, A Bogorin, M Grebici-Guessoum, C Jacques, M Abu Eid, H Marin, S Kindo, G Zöllner, JL Dietemann

Journal de Radiologie, 2003 ;84 :369-79

Impact factor : 0,327

183. Value of MRI findings in Gayet-Wernicke encephalopathy.

V Lenz, **MI Vargas**, JF Bin, A Bogorin, M Grebici-Guessoum, C Jacques, H Marin, G Zöllner, JL Dietemann.

Journal of Neuroradiology, 2002; 29: 153-160.

Impact factor: 0,603

### c. EDITORIAUX OU LETTRE DANS DES JOURNAUX A POLITIQUE EDITORIALE

184. How the Lives of Neuroradiologists and Neurosurgeons Have Been Changed by COVID-19.

**Vargas MI**, Meling TR.

AJNR Am J Neuroradiol. 2020 May 14. doi: 10.3174/ajnr.A6562.

185. Answer to Letter to the Editor: High-resolution Black Blood Vessel Wall Imaging in COVID-19 Encephalopathy-is it Really Endotheliitis?

Uginet M, Breville G, Hofmeister J, Machi P, Lalive PH, Rosi A, Fitsiori A, **Vargas MI**, Assal F, Allali G, Lövblad KO. Clin Neuroradiol. 2021 Nov 10:1-2. doi: 10.1007/s00062-021-01113-2.

186. Intraoperative MR and Synthetic Imaging.

**Vargas MI**, Delattre BMA, Vayssiere P, Corniola M, Meling T.

AJNR Am J Neuroradiol. 2020 Feb;41(2):E4-E6. doi: 10.3174/ajnr.A6373.

187. Is Gd-DTPA Necessary in Clinical Practice for Peripheral Nerve Injury?

**Vargas MI**, Ipek O

AJNR Am J Neuroradiol. 2018 Jul;39(7):E82. doi: 10.3174/ajnr.A5637. Epub 2018 Apr 26.

188. 3D T2-SPACE versus T2-FSE or T2 Gradient Recalled-Echo: Which Is the Best Sequence?

**Vargas MI**, Dietemann JL. AJNR Am J Neuroradiol. 2017 Jul;38(7):E48-E49. doi:

10.3174/ajnr.A5190.

189. High-Resolution Hybrid Imaging Could Improve Cordotomy Lesions and Outcomes.

**Vargas MI**, Boto J, Dammann P, Lovblad KO.

AJNR Am J Neuroradiol. 2017 Oct;38(10):E78. doi: 10.3174/ajnr.A5269

190. Synthetic MR Imaging Sequence in Daily Clinical Practice.

**Vargas MI**, Boto J, Delatre BM.

AJNR Am J Neuroradiol. 2016 Jul 21. [Epub ahead of print]

191. Dual-Energy CT and Spot Sign.

**Vargas MI**, Lovblad K.

AJNR Am J Neuroradiol. 2016 Jul 21. [Epub ahead of print]

192. Is Catheter Angiography Still Necessary for the Follow-Up of Spinal Malformations after Treatment?

**Vargas MI**, Boto J, Kulcsar Z.

AJNR Am J Neuroradiol. 2017 Apr;38(4):E29. doi: 10.3174/ajnr.A5087

193. Doing More with Less: A Nice and Useful Idea!

**Vargas MI**, Platon A, Boto J, Lovblad KO.

AJNR Am J Neuroradiol. 2017 Apr;38(4):E26-E27. doi: 10.3174/ajnr.A5067

194. Measures of Neuroradiologic Activities in the "Air du Temps".

**Vargas MI**, Lövblad K. AJNR Am J Neuroradiol. 2016 Sep;37(9):E60. doi: 10.3174/ajnr.A4854.

#### **d. - ARTICLES ORIGINAUX A POLITIQUE EDITORIALE DE FORMAT INFORMATIQUE**

195. Isthmic spondylolisthesis

G. Feutry, MI Vargas

Eurorad. Mai 2015

196. Tulips in Morges - Switzerland. Lemman Lake and the Alps mountains are in the background.

**Vargas MI.**

Spine (Phila Pa 1976). 2014 May 20;39(12):i. doi: 10.1097/01.brs.0000450128.82482.b1. No abstract available. PMID:24831302 [PubMed - in process]

197. Neurofibromatosis Type 2. Eurorad. Nov. 2013

Etienne L, **Vargas MI**

198. Bilateral Wallerian degeneration of the pontocerebellar fibers in the middle cerebellar peduncles (MCPs).

A Korchi, **MI Vargas.**

AJNR.1 July 2013

199. V. Callosal disconnection syndrome in transient splenial lesion of the corpus callosum.

Kapina, **MI Vargas,**

J. Horvath European Neurological Journal. 2011

200. Olivary hypertrophic degeneration caused by mesencephalic haematoma involving the Guillain-Mollaret triangle Babaker M, Cuvincuc V, Haller S, **Vargas MI**, Lovblad K-O. Eurorad .Aout 2011

201. Sunset in Loumarin, France

**MI Vargas;** S Strasser

Spine. 36(7):i, April 01, 2011.doi: 10.1097/BRS.0b013e318218a2d9

202. Ecchordosis Physaliphora.

A.Korchi, **MI Vargas.**

AJNR. May 30.2011

203. Orchids From Ecuador.

**MI Vargas.**

Spine (Phila Pa 1976). 2009 Nov 1;34(23):i.

204. Sticky rice causes acute abdomen.

Kohler R, **MI Vargas**

Eurorad. 2007.04.23.

205. Deep Venous trombosis.

**MI Vargas**, J Delavelle, KO Lövblad.

Eurorad. 2007, Mars 29

206. Pneumomediastinum simulating an abdominal pathology.

D Nguyen, **MI Vargas**.

Eurorad. 2007, Fev. 21

207. The appendicitis located behind the psoas.

**MI Vargas**, F. Pilleul, F. Terrier.

Eurorad. 2000, Oct. 29

## **f - ARTICLES ORIGINAUX, DE REVUE, EDITORIAUX PUBLIES SANS POLITIQUE EDITORIALE**

208. IRM ou CT? Imagerie des accidents vasculaires cérébraux (ischémiques).

Lovblad KO, Barnaure I, Boto J, Sztajzel R, Fitsiori A, **Vargas MI**

La gazette médicale 2017

209. Mise au point sur l'imagerie des hémorragies cérébrales

Vargas MI, Boto J, Barnaure I, Fitsiori A, Lovblad KO

La gazette médicale 2017

210. Thrombose veineuse cérébrale. Un caméléon clinique et radiologique

Fitsiori A, Boto J, Barnaure I, Lovblad KO, **Vargas MI**

La gazette médicale 2017

211. Imaging of autoimmune epilepsies

Epileptologie 2014

**MI Vargas**, J Gariani, KO Lovblad

212. Molecular Neuroimaging with PET/MRI.

V Garibotto, S Förster, S Haller, **MI Vargas**, A Drzezga

Clinical and Translational Imaging. 2013 ; 1 : 53-63.

213. Diagnosing infection of CNS with MR imaging.

V Cuvinciuc, **MI Vargas**, KO Lovblad, S. Haller

Imaging in Medicine, Vol 3, Issue 6, pp 689-710, december 2011

214. Imagerie des sténoses du canal rachidien lombaire.

JL Dietemann, C Bogorin, **MI Vargas**, JC Dosch, G Zöllner

Rachis 2001 ; 13 : 320-322

## **g – LIVRES ET CHAPITRE(S) DE LIVRE(S)**

**LIVRE** : Co-auteur d'un livre : Imagerie des Accidents Vasculaire Cérébraux et Médullaires

Jean Louis Dietemann & **Maria Isabel Vargas**. Sauramps Medical 2018

### **CHAPITRE(S) DE LIVRE(S)**

▪ Contemporary Skull Base surgery. Neuroimaging Precision Tools and Augmented Reality. Torstein R. Meling and **Maria-Isabel Vargas**. Springer 2022

▪ Imagerie des Accidents Vasculaire Cérébraux et Médullaires (LIVRE)

Jean Louis Dietemann & Maria Isabel Vargas. Sauramps Medical 2018Le cerveau du sujet âgé-

Affections dégénératives- Démences

JL Dietemann, **MI Vargas**. Neuroimagerie diagnostique. Masson-Paris 2018. 3ème édition

▪ Vascular Pathologies of the Brain (Vasculitis–Arteriovenous Malformation/Arteriovenous Fistula–Aneurysm)

K Lovblad, S Haller, VM Pereira, **MI Vargas**

In book: Image Principles, Neck, and the Brain, pp.691-712 DOI: 10.1201/b19609-

▪ Méningites, arachnoïdites, myélopathies, myélites et neuropathies hypertrophique

D. HERNALSTEEN, G. COSNARD, J.-L. SARRAZIN, T. DUPREZ, J.-L. DIETEMANN, M KOOB, **MI VARGAS**  
EN Imagerie de la colonne vertébrale et de la moelle épinière, pp 221-264. Décembre 2017.

Elsevier/ Masson

▪ Imagerie du plexus cervico-brachial et du plexus lombosacré.

**MI Vargas**, M. Koob, JL Dietemann EN Imagerie de la colonne vertébrale et de la moelle épinière, pp 377-397. Décembre 2017. Elsevier/Masson

▪ Malformations vasculaire médullaires

**F Gelbert, J-J Merland, MI Vargas**, JL Dietemann, F Boujan, Guy Cosnard EN Imagerie de la colonne vertébrale et de la moelle épinière, pp 361-376, Décembre 2017. Elsevier/Masson

Spinal vascular imaging: technique.

**MI Vargas**, F. Bin, J Gariani, JL Dietemann in book Neurovascular Imaging: from Basics to Advanced Concept, pp. 1063-1093. Janvier 2016. Springer.

▪ Molecular neuroimaging with PET/MRI.

V Garibotto, S Förster, S Haller, **MI Vargas**, A Drzezga

Clinical and Translational Imaging, February 2013, Volume 1, Issue 1, pp 53-63

▪ V Garibotto, **MI Vargas**, M Seeck, F Picard. PET/CT in the clinical evaluation of pediatric epilepsy. Dans: Cistaro A. Atlas of PET/CT in pediatric patients, Springer

▪ Brachial plexus. Imaging of the head and neck. 3rd ed. Thieme (In Press)

**MI Vargas**, Minerva Becker

▪ V Garibotto, A Baskin, M Essler, S Foerster, A Drzezga, S Haller, L Merlini, T Pyka, **MI Vargas**, D Weber. Brain tumors. Dans: Ratib O, Schweiger M, Beyer T Atlas of PET/MR imaging in oncology, Springer, 2013.

▪ Le cerveau du sujet âge- Affections dégénératives- Démences- Encéphalopathies toxiques  
JL Dietemann, **MI Vargas**, M Koob. Neuroimagerie diagnostique, Chapitre 17, p629-683.  
Masson-Paris 20012, 2ème Ed.

▪ Imagerie des nerfs périphériques : techniques et applications cliniques.

**MI Vargas**, JL Dietemann. EMC-Radiologie et imagerie médicale-musculosquelettique-neurologique-maxillofaciale 2012; 0 (0): 1-12 (article 31-673-B-15)

▪ Sacrum : La pathologie de voisinage ; le plexus lombosacré et ses branches

**MI Vargas** Octobre. FMC 2010

▪ Imagerie du Plexus Brachial (PB)

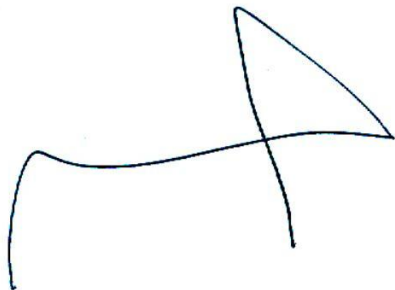
**MI Vargas**, D Nguyen, M Viallon, J Delavelle. Chapitre 33, p1-7. Paris FMC 2009.

▪ Le corps calleux (CC): le réseau de télécommunications du cerveau

**MI Vargas**, A Fitsiori, D Nguyen, K Lovblad, J Delavelle. Chapitre 32, p1-7. Paris FMC 2009.

- Imagerie du nerf périphérique : de la morphologie à la fonction.  
T Moser, **MI Vargas**, N Holl, A Moussaoui, Wolfram-Gabel, JL Dietemann, S Kremer. Imagerie des nerfs. P11-19. Sauramps médical- France 2008
- Imagerie des encéphalopathies toxiques et métaboliques  
JL Dietemann, **MI Vargas**, M Koob, M Abu Eid, A Bogorin, C Audibert, S Kremer, G Zöllner. Paris FMC 2007.
- Le cerveau du sujet âgé- Affections dégénératives- Démences  
JL Dietemann, **MI Vargas**. Neuroimagerie diagnostique p530-562. Masson-Paris 2007
- Techniques d'étude d'imagerie par résonance magnétique et anatomie normale du rachis cervical, thoracique et lombaire.  
C Jacques, A Bogorin, **MI Vargas**, V Lenz, L Gergis, G Zollner, JL Dietemann. Encyclopédie Médico-chirurgicale, Radiodiagnostic-Squelette normal, 30-551-A-10 2002, 13p.
- Nb d'articles 214
- Co-auteur d'un livre : Imagerie des Accidents Vasculaire Cérébraux et Médullaires  
Jean Louis Dietemann & Maria Isabel Vargas. Sauramps Medical 2018
- 18 Chapitres de livre

**05.06.2023**

A handwritten signature in black ink, consisting of a series of connected loops and lines, appearing to be a stylized name or initials.