

1- Identificação:

Nome: Pedro Luis Miguez Ferro Vilela

Morada: Serviço de Neurorradiologia. Hospital Egas Moniz
Unidade Local de Saúde Lisboa Ocidental
Rua da Junqueira, 126. 1349-019 Lisboa

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Funções: **2023- Presente: Diretor do Serviço de Neurorradiologia da Unidade Local de Saúde Lisboa Ocidental**

Especialidade: **Neurorradiologia e Subespecialidade Neurorradiologia de Intervenção**

2- Formação

Pré-graduada

Nacional

1994: Licenciatura em Medicina pela Faculdade de Medicina da Universidade de Lisboa
(Classificação: 17,3 valores)

Internacional

1997: Graduado de: Educational Commission for Foreign Medical Graduates (ECFMG) United States Medical Licensing Examination (USMLE) – United States of America (classification 84 (scale 0-100) Clinical Sciences classification 84 (scale 0-100))

Pós-graduada

Nacional

2015: Assistente Hospitalar Graduado (classificação: Aprovado com 19 valores)

2002: Especialidade de Neurorradiologia / Assistente Hospitalar
(classificação: Aprovado com 19,6 valores)

2000: Neuroradiology Fellowship - Toronto Western Hospital (Toronto University Hospitals)
Toronto Canada

1998-2001: Interno da Especialidade de Neurorradiologia (Hospital Garcia de Orta / ULS Almada Seixal)

Internacional

2018: European Certification of Interventional Neuroradiology by the European Board of Neuroradiology (EBNR)

2012: European Certification of Neuroradiology (ECONR) for Established Neuroradiologists by the European Board of Neuroradiology (EBNR)

2002: Graduate from the International Diploma in Neurovascular Diseases (MsC) Faculté de Médecine de l'Université Paris XI (Paris Sud)

3- Carreira Médica

Direção de Serviço:

2023-presente: Diretor do Serviço de Neurorradiologia da ULS Lisboa Ocidental (ULSLO)

2012-2022: Diretor do Serviço de Neurorradiologia do Hospital Beatriz Ângelo – Loures (ULS Loures)

Outras funções:

2002-2022: Assistente Hospitalar de Neurorradiologia no Hospital Garcia de Orta Almada Portugal (ULS Almada-Seixal)

2008- 2011: Consultor em Neurorradiologia de Intervenção nos Hospitais da Universidade de Coimbra

2007- Presente: Assistente Hospitalar Graduado de Neurorradiologia no Hospital da Luz Lisboa e Hospital da Luz Oeiras

4- Sociedades profissionais e científicas

Ordem dos Médicos Portuguesa

2007-2012: Membro do Colégio da Especialidade de Neurorradiologia

2007-2012: Delegado português na divisão de Neurorradiologia da UEMS

Sociedade Portuguesa de Neurorradiologia (SPNR)

2012 - 2017: Presidente da Sociedade Portuguesa de Neurorradiologia (SPNR)

2007 – 2012: Presidente da Mesa da Assembleia Geral da Sociedade Portuguesa de Neurorradiologia (SPNR)

5- Sociedades científicas internacionais

European Society of Neuroradiology diagnostic and therapeutic (ESNR)

2022- present: Course director of the 17th and 18th Cycles of the European Course in Neuroradiology, Diagnostic and Interventional

2022: President of the 45th ESNR annual meeting

2016 – 2018: Secretary of the Institutional Council

2008 – 2016: Membership Committee Chairman

2005 – 2014: Member of the Interventional Neuroradiology Committee

European Society of Radiology (ESR)

2012: Chairman of the Neuroradiology Subcommittee at the ECR

2008 – 2011: Member of the Neuroradiology Subcommittee

Spanish Society of Neuroradiology (SENR) (Espanha)

Membro Honorário

SPR - Sociedade Paulista de Radiologia e Diagnóstico por Imagem (Brasil)

Membro Honorário

6- Experiência Formativa

Internacional

- Membro do corpo formativo e do júri da certificação europeia da European Society of Neuroradiology diagnostic and therapeutic (ESNR)
- Membro do corpo formativo da European School Of Radiology (ESOR)
- Palestrante convidado nos congressos e cursos das seguintes sociedades científicas internacionais:
 - European Society of Neuroradiology diagnostic and therapeutic (ESNR)
 - European Society of Radiology (ESR)
 - American Society of Neuroradiology (ASNR)
 - Sociedad Ibero Latino Americana De Neurorradiología Diagnóstica y Terapéutica (SILAN)
 - Cardiovascular and Interventional Radiological Society of Europe (CIRSE)
 - World Federation of Interventional and Therapeutic Neuroradiology (WFITN)
 - The European Society for Magnetic Resonance in Medicine and Biology (ESMRMB)
 - Spanish Society of Neuroradiology (SENOR)
 - São Paulo Brazilian Radiology Society (SPR - Sociedade Paulista de Radiologia e Diagnóstico por Imagem).

Nacional

- Formação em Neurorradiologia de Internos da Formação Específica da especialidade de Neurorradiologia e de outras especialidades.
- Presidente e membro de júri dos exames finais dos Internos da Formação Específica da especialidade de Neurorradiologia
- Palestrante convidado em congressos e cursos da Sociedade Portuguesa de Neurorradiologia (SPNR); Sociedade Portuguesa de Neurocirurgia (SPNC); Sociedade Portuguesa de Medicina Intensiva (SPCI)
- Supervisão de teses de mestrado
 - 2009 Functional brain perfusion evaluation with ASL in a 3 T scanner. Department of Physics. Faculdade de ciências e tecnologia. Universidade nova de Lisboa

- 2011 Assessment of cerebrovascular reactivity using ASL fMRI. Institute for Systems and Robotic. Department of Bioengineering. Instituto Superior Técnico. Lisboa. Portugal.
- 2012 Spatiotemporal dynamics of CBF and BOLD fMRI responses to breath-hold challenges. Institute for Systems and Robotic. Department of Bioengineering. Instituto Superior Técnico. Lisboa. Portugal.

7- Publicações

Autor de 6 capítulos de livros de medicina e mais de 50 artigos científicos em revistas de medicina *peer review* (anexo 1).

Especificamente, assinalam-se 6 capítulos de livros internacionais (primeiro / último autor); 17 artigos Internacionais (primeiro / último Autor); 37 artigos Internacionais (coautor); 8 artigos nacionais (primeiro / último Autor), 9 artigos nacionais (Coautor) e 20 outras publicações científicas.

Citações dos artigos publicados em revistas científicas:

Year	All	Since 2020
Citations	1326	890
h index	17	12
i10 index	24	15

fonte: <https://scholar.google.com/citations?user=Q7oeZsUAAAAJ&hl=pt-PT>

8- Apresentações orais científicas

Na qualidade de primeiro autor, assinala-se a apresentação de 212 comunicações orais convidadas em reuniões científicas / congressos / cursos internacionais, e 15 comunicações orais em reuniões científicas / congressos / cursos nacionais, relacionados com a especialidade de Neurorradiologia. (anexo 2)

9- Participação em ensaios clínicos

Participação na qualidade de Subinvestigador em 34 ensaios clínicos. (anexo 3)

10- Outras atividades científicas

2024- present: Vascular section editor of Clinical Neuroradiology - The ESNR Textbook

2017- present: European Journal of Radiology neuroradiology section editor

2022: President of the 45th ESNR annual meeting

2018: Presidente do congresso anual da SPNR: XIV Congresso Nacional de Neurorradiologia

2017: Presidente do congresso anual da SPNR: XIII Congresso Nacional de Neurorradiologia / Brain Week

2015: Coordinator of European Society of Neuroradiology ESNR Advanced course in Vascular Interventional Neuroradiology. 1st Course (3rd cycle) Neurovascular Anatomy. Lisbon.

2013: President of the II Joint Meeting of the Portuguese Society of Neuroradiology (SPNR) and of the Spanish Society of Neuroradiology (SENOR) (IX National Congress of the SPNR and XLII Annual Meeting of the SENOR) Lisbon, Portugal

2013: Coordinator of European Society of Neuroradiology ESNR Advanced course in Vascular Interventional Neuroradiology. 1st Course (2nd cycle) Neurovascular Anatomy. Lisbon.

2010: Coordinator of European Society of Neuroradiology ESNR Advanced course in Vascular Interventional Neuroradiology. 4th Course (1st cycle) Spine, spinal cord and ENT vascular diseases. Lisbon.

11- Bolsas de Investigação

2012: Co-Investigador: Projeto PTDC-BBB-IMG-2137-2012 (Bolsa da FCT (Fundação para a Ciência e Tecnologia). Imagiologia quantitativa não-invasiva da fisiologia cerebral: aplicação no envelhecimento e nas doenças de pequenos vasos.

2014: Co-Investigador: Projeto FCT-PTDC/DTP-ES/3706/2014 (Bolsa da FCT (Fundação para a Ciência e Tecnologia). Impacto da atividade física no defeito cognitivo vascular (AFIVASC)

Anexo 1. Lista de Publicações

Publicações	Totais	
	N.º de artigos publicados	71
N.º. total de artigos nacionais	17	
N.º. total de artigos nacionais (1ºA / Ult A)	8	
N.º. total de artigos internacionais	54	
N.º. total de artigos internacionais (1ºA / Ult A)	17	
Citações	Todas	Desde 2020
Citações	1326	890
Índice h	17	12
Índice i10	24	15

Legenda: 1ºA primeiro autor; Ult A último autor; índice h (ind h=17; 17 artigos do autor tiveram (cada um) pelo menos 17 citações); índice i10 (ind i10= 24; 24 artigos que o autor escreveu com pelo menos 10 citações).

Capítulos de Livros Internacionais como primeiro / último autor

1. Nontraumatic Intracranial Hemorrhage. Vilela P, Wiesmann M. In: Hodler J, Kubik-Huch RA, von Schulthess GK, editors. Diseases of the Brain, Head and Neck, Spine 2020–2023: Diagnostic Imaging [Internet]. Cham (CH): Springer; 2020. Chapter 5. PMID: 32119243.
2. Central Nervous System Embryology and Cranial Vessel Anatomy. Pedro Vilela. In Clinical Neuroradiology. Editors: Barkhof, F., Jäger, R., Thurnher, M., Rovira, A. (Eds.) Springer. 2019 (ISBN 978-3-319-68536-6).
3. Imaging of Cerebral Venous and Sinus Thrombosis. Pedro Vilela. In Clinical Neuroradiology. Editors: Barkhof, F., Jäger, R., Thurnher, M., Rovira, A. (Eds.). Springer. 2019 (ISBN 978-3-319-68536-6).
4. Brain ischemia: CT and MRI techniques in acute stroke. HA Rowley, P Vilela. In: Diseases of the Brain, Head and Neck, Spine 2016-2019, 37-47

5. Chapter 10: Phase Contrast Magnetic Resonance Angiography (PC MRA) and Flow Analysis: Clinical Applications. Pedro Vilela. In Vascular Imaging of the Central Nervous System: Physical Principles, Clinical Applications, and Emerging Techniques. Ramalho J, Castillo M (Eds). Wiley-Blackwell. 2014 (ISBN: 978-1-118-18875-0)

6. Chapter 16: Advanced and Future Digital Subtraction Angiography (DSA) Applications, 229 Pedro Vilela. In: Vascular Imaging of the Central Nervous System: Physical Principles, Clinical Applications, and Emerging Techniques. Ramalho J, Castillo M (Eds). Wiley-Blackwell. 2014 (ISBN: 978-1-118-18875-0)

A lista de artigos publicados, subdivididos por nacional/internacional e na qualidade de primeiro autor ou último autor / coautor é a seguinte:

Publicações (artigos) Originais Internacionais como primeiro / último autor

1. 2024 Post-traumatic trigeminal-cavernous fistula embolized via a transarterial approach Tribovane D, Vilela P. *Acta Neurol Belg.* 2024 Jun;124(3):1037-1039. doi: 10.1007/s13760-023-02406-8. Epub 2023 Oct 30.
2. 2023 What the Musculoskeletal Radiologist Needs to Know About the Vascular Anatomy of the Spine and Spinal Cord Duarte Armindo R, Vilela P. *Semin Musculoskelet Radiol.* 2023 Oct;27(5):580-587. doi: 10.1055/s-0043-1772171. Epub 2023 Oct 10.
3. 2020 Cerebral Air Embolism: The Importance of Computed Tomography Evaluation. Brito C, Graca J, Vilela P. *J Med Cases.* 2020 Dec;11(12):394-399. doi: 10.14740/jmc3583. Epub 2020 Oct 21.
4. 2020 Acute Ischemic Stroke Hemorrhagic Transformation at Angiography Before Mechanical Thrombectomy: A Neurointerventional Dilemma Duarte Armindo R, Vilela P. *Clin Neuroradiol.* 2020 Dec;30(4):875-878. doi: 10.1007/s00062-020-00923-0. Epub 2020 Jun 16.
5. 2020 Near infra-red fluorescence-guidance for percutaneous sclerotherapy of thoracic duct leak Brito C, Vilela P. *Am J Otolaryngol.* 2020 Jul-Aug;41(4):102463. doi: 10.1016/j.amjoto.2020.102463. Epub 2020 Mar 17.
6. 2017 Brain ischemia: CT and MRI techniques in acute ischemic stroke Vilela P, Rowley HA. *Eur J Radiol.* 2017 Nov;96:162-172. doi: 10.1016/j.ejrad.2017.08.014. Epub 2017 Aug 24.
7. 2017 Editorial Vilela P, Pereira VM. *Eur J Radiol.* 2017 Nov;96:119. doi: 10.1016/j.ejrad.2017.08.039. Epub 2017 Sep 8.

8. 2017 Acute stroke differential diagnosis: Stroke mimics Vilela P. *Eur J Radiol.* 2017 Nov;96:133-144. doi: 10.1016/j.ejrad.2017.05.008. Epub 2017 May 5.
9. 2011 Osteoporosis Vilela P, Nunes T. *Neuroradiology.* 2011 Sep;53 Suppl 1:S185-9. doi: 10.1007/s00234-011-0925-4.
10. 2011 Quantification of Perfusion Changes during a Motor Task Using Arterial Spin Labeling Vilela P, Pimentel M, Sousa I, Figueiredo P. *Neuroradiol J.* 2011 Mar 29;24(1):85-91. doi: 10.1177/197140091102400113. Epub 2011 Apr 5.
11. 2006 Paediatric dissecting posterior cerebral aneurysms: report of two cases and review of the literature Vilela P, Goulão A. *Neuroradiology.* 2006 Aug;48(8):541-8. doi: 10.1007/s00234-006-0086-z. Epub 2006 Jun 20.
12. 2005 Intracranial angioliopoma as cause of subarachnoid haemorrhage. Case report and review of the literature Vilela P, Saraiva P, Goulão A. *Neuroradiology.* 2005 Feb;47(2):91-6. doi: 10.1007/s00234-004-1290-3. Epub 2005 Jan 21.
13. 2005 Ischemic stroke: carotid and vertebral artery disease Vilela P, Goulão A. *Eur Radiol.* 2005 Mar;15(3):427-33. doi: 10.1007/s00330-004-2632-6. Epub 2005 Jan 19.
14. 2001 Dural arteriovenous fistula associated with neoplastic dural sinus thrombosis: two cases Vilela P, Willinsky R, terBrugge K. *Neuroradiology.* 2001 Oct;43(9):770-777.
15. 2001 Association of distinct intracranial pial and dural arteriovenous shunts. Vilela P, Willinsky R, terBrugge K. *Neuroradiology.* 2001 Oct;43(10):816-20. doi: 10.1007/s002340100570
16. 2001 Treatment of intracranial venous occlusive disease with sigmoid sinus angioplasty and stent placement in a case of infantile multifocal dural arteriovenous shunts Vilela P, Willinsky R, Terbrugge K. *Interv Neuroradiol.* 2001 Mar 30;7(1):51-60. doi: 10.1177/159101990100700108. Epub 2001 May 15.

17. 1999: Hydrocephalus and Hygroma. P Vilela, T Ferreira, P Saraiva, A Goulão. *Rivista di Neuroradiologia* 12 (3_suppl), 115-120 1999

Publicações (artigos) Originais Internacionais como coautor

1. 2025 Evaluating Vascular Hemodynamics in Cerebral Proliferative Angiopathy Using Advanced Arterial Spin Labeling MRI. R Duarte Armindo, M Zhao, S Alexander, E Tong, K Yeom, M Moseley, et al. *Stroke: Vascular and Interventional Neurology* 5 (2), e001552
2. 2025 White matter alterations in episodic migraine without aura patients assessed with diffusion MRI: effect of free water correction Guadilla I, Fouto AR, Ruiz-Tagle A, Esteves I, Caetano G, Silva NA, Vilela P, Gil-Gouveia R, Aja-Fernández S, Figueiredo P, Nunes RG. *J Headache Pain*. 2025 Feb 12;26(1):31. doi: 10.1186/s10194-025-01970-z.
3. 2025 Uncovering longitudinal changes in the brain functional connectome along the migraine cycle: a multilevel clinical connectome fingerprinting framework Esteves I, Fouto AR, Ruiz-Tagle A, Caetano G, Nunes RG, da Silva NA, Vilela P, Martins IP, Gil-Gouveia R, Caballero-Gaudes C, Figueiredo P. *J Headache Pain*. 2025 Feb 10;26(1):29. doi: 10.1186/s10194-025-01969-6.
4. 2025 Alterations of White Matter Microstructure in Migraine Patients Vary in the Peri-ictal Phases Fouto AR, Nunes RG, Guadilla I, Ruiz-Tagle A, Esteves I, Caetano G, Silva NA, Vilela P, Gil-Gouveia R, Figueiredo P. *eNeuro*. 2025 Jan 17;12(1):ENEURO.0300-24.2024. doi: 10.1523/ENEURO.0300-24.2024. Print 2025 Jan.
5. 2025 Preserved working memory performance along with subcortical modulation during peri-ictal phases in spontaneous migraine attacks Ruiz-Tagle A, Caetano G, Fouto A, Esteves I, Cabaço I, Da Silva N, Vilela P, Alves PN, Martins IP, Gouveia RG, Figueiredo P. *Headache*. 2025 Mar;65(3):407-419. doi: 10.1111/head.14850. Epub 2024 Oct 13.
6. 2024 Involvement of the cerebellum in structural connectivity enhancement in episodic migraine. Matoso A, Fouto AR, Esteves I, Ruiz-Tagle A, Caetano G, da Silva NA, Vilela P, Gil-Gouveia R, Nunes RG, Figueiredo P. *J Headache Pain*. 2024 Sep 18;25(1):154. doi: 10.1186/s10194-024-01854-8.

7. 2024 Physical Activity in Mild Vascular Cognitive Impairment: Results of the AFIVASC Randomized Controlled Trial at 6 Months Verdelho A, Correia M, Gonçalves-Pereira M, Madureira S, Vilela P, Santos AC, Rodrigues M, Borges M, Ferro JM, Santa-Clara H.J Alzheimers Dis. 2024;101(4):1379-1392. doi: 10.3233/JAD-240246.
8. 2024 Impact of truncating diffusion MRI scans on diffusional kurtosis imaging. Fouto AR, Henriques RN, Golub M, Freitas AC, Ruiz-Tagle A, Esteves I, Gil-Gouveia R, Silva NA, Vilela P, Figueiredo P, Nunes RG. MAGMA. 2024 Oct;37(5):859-872. doi: 10.1007/s10334-024-01153-y. Epub 2024 Feb 23.
9. 2024 Calcified cerebral emboli: the salted pretzel sign. Rodrigues BA, Magriço M, Carmo E Pinto I, Vilela P, Marto JP. Pract Neurol. 2024 Mar 19;24(2):155-156. doi: 10.1136/pn-2023-003947.
10. 2024 Working memory during spontaneous migraine attacks: an fMRI study Ruiz-Tagle A, Figueiredo P, Pinto J, Vilela P, Martins IP, Gil-Gouveia R. Neurol Sci. 2024 Mar;45(3):1201-1208. doi: 10.1007/s10072-023-07120-0. Epub 2023 Oct 17.
11. 2023 Altered functional connectivity in a sensorimotor-insular network during spontaneous migraine attacks: A resting-state FMRI study. Araújo RP, Figueiredo P, Pinto J, Vilela P, Martins IP, Gil-Gouveia R. Brain Res. 2023 Nov 1;1818:148513. doi: 10.1016/j.brainres.2023.148513. Epub 2023 Jul 25.
12. 2023 Brain perfusion imaging by multi-delay arterial spin labeling: Impact of modeling dispersion and interaction with denoising strategies and pathology Pires Monteiro S, Pinto J, Chappell MA, Fouto A, Baptista MV, Vilela P, Figueiredo P. Magn Reson Med. 2023 Nov;90(5):1889-1904. doi: 10.1002/mrm.29783. Epub 2023 Jun 29.
13. 2023 Impact of susceptibility-induced distortion correction on perfusion imaging by pCASL with a segmented 3D GRASE readout Domingos C, Fouto AR, Nunes RG, Ruiz-Tagle A, Esteves I, Silva NA, Vilela P, Gil-Gouveia R, Figueiredo P. Magn Reson Imaging. 2023 Oct;102:141-150. doi: 10.1016/j.mri.2023.06.010. Epub 2023 Jun 19.

14. 2023 Imaging Approach to Venous Sinus Thrombosis Carletti F, Vilela P, Jäger HR. *Radiol Clin North Am.* 2023 May;61(3):501-519. doi: 10.1016/j.rcl.2023.01.011. Epub 2023 Feb 20.
15. 2022 Physical Activity Self-Report Is Not Reliable Among Subjects with Mild Vascular Cognitive Impairment: The AFIVASC Study Verdelho A, Correia M, Ferro JM, Madureira S, Vilela P, Rodrigues M, Borges M, Oliveira V, Santos AC, Gonçalves-Pereira M, Santa-Clara H. *J Alzheimers Dis.* 2022;87(1):405-414. doi: 10.3233/JAD-215381.
16. 2022 Impact of white-matter mask selection on DTI histogram-based metrics as potential biomarkers in cerebral small vessel disease Fouto AR, Nunes RG, Pinto J, Alves L, Calado S, Gonçalves C, Rebolo M, Viana-Baptista M, Vilela P, Figueiredo P. *MAGMA.* 2022 Oct;35(5):779-790. doi: 10.1007/s10334-021-00991-4. Epub 2022 Jan 8.
17. 2021 Spontaneous thrombosis of cerebral arteriovenous malformation post COVID-19 Rodrigues SG, Oliveira R, Vilela P, Oliveira SN. *Neurol Sci.* 2021 Dec;42(12):4909-4911. doi: 10.1007/s10072-021-05598-0. Epub 2021 Sep 15.
18. 2020 Contrast-induced acute kidney injury in acute ischaemic stroke patients. Brito C, Falcão L, Raimundo M, Fernandes S, Fernandes A, Silva S, Vilela P, Almeida E. *Neuroradiol J.* 2020 Dec 7:1971400920977206. doi: 10.1177/1971400920977206.
19. 2020 Calibration of arterial spin labeling data-potential pitfalls in post-processing Pinto J, Chappell MA, Okell TW, Mezue M, Segerdahl AR, Tracey I, Vilela P, Figueiredo P. *Magn Reson Med.* 2020 Apr;83(4):1222-1234. doi: 10.1002/mrm.28000. Epub 2019 Oct 12.
20. 2020 Standards for European training requirements in interventional neuroradiology guidelines by the Division of Neuroradiology/Section of Radiology European Union of Medical Specialists (UEMS), in cooperation with the Division of Interventional Radiology/UEMS, the European Society of Neuroradiology (ESNR), and the European Society of Minimally Invasive Neurological Therapy (ESMINT) Sasiadek M, Kocer N, Szikora I, Vilela P, Muto M, Jansen O, Causin F, Cognard C, White P, Brouwer P, Pizzini F,

Schroth G, Ricci P. J Neurointerv Surg. 2020 Mar;12(3):326-331. doi: 10.1136/neurintsurg-2019-015537. Epub 2019 Nov 15.

21. 2020 Standards for European training requirements in interventional neuroradiology : Guidelines by the Division of Neuroradiology/Section of Radiology European Union of Medical Specialists (UEMS), in cooperation with the Division of Interventional Radiology/UEMS, the European Society of Neuroradiology (ESNR), and the European Society of Minimally Invasive Neurological Therapy (ESMINT) Sasiadek M, Kocer N, Szikora I, Vilela P, Muto M, Jansen O, Causin F, Cognard C, White P, Brouwer PA, Pizzini FB, Schroth G, Ricci P. *Neuroradiology*. 2020 Jan;62(1):7-14. doi: 10.1007/s00234-019-02300-2.
22. 2019 30890199 Standards of Practice in Acute Ischemic Stroke Intervention International Recommendations Pierot L, Jarayaman M, Szikora I, Hirsch J, Baxter B, Miyachi S, Mahadevan J, Chong W, Mitchell PJ, Coulthard A, Rowley HA, Sanelli PC, Tampieri D, Brouwer P, Fiehler J, Kocer N, Vilela P, Rovira A, Fischer U, Caso V, van der Wort B, Sakai N, Matsumaru Y, Yoshimura SI, Biscoito L, Pumar M, Diaz O, Fraser J, Lifante I, Liebeskind DS, Nogueira RG, Hacke W, Brainin M, Yan B, Soderman M, Taylor A, Pongpech S, Terbrugge K. *Can J Neurol Sci*. 2019 May;46(3):269-274. doi: 10.1017/cjn.2019.1. Epub 2019 Mar 20.
23. 2019 Anecdotal Response to Amphotericin in a Patient with Probable Susac Syndrome: Implications in the Pathogenesis Gil-Gouveia R, Marto N, Vilela P, Catarino A. *Acta Med Port*. 2019 Nov 4;32(11):727-730. doi: 10.20344/amp.10541. Epub 2019 Nov 4.
24. 2019 Impact of physical activity in vascular cognitive impairment (AFIVASC): study protocol for a randomised controlled trial Verdelho A, Madureira S, Correia M, Ferro JM, Rodrigues M, Gonçalves-Pereira M, Gonçalves M, Santos AC, Vilela P, Bárrios H, Borges M, Santa-Clara H. *Trials*. 2019 Feb 11;20(1):114. doi: 10.1186/s13063-019-3174-1.
25. 2018 Standards of Practice in Acute Ischemic Stroke Intervention: International Recommendations Pierot L, Jayaraman MV, Szikora I, Hirsch JA, Baxter B, Miyachi S, Mahadevan J, Chong W, Mitchell PJ, Coulthard A, Rowley HA, Sanelli PC, Tampieri D, Brouwer PA, Fiehler J, Kocer N, Vilela P, Rovira A, Fischer U, Caso V, van der Worp B, Sakai

N, Matsumaru Y, Yoshimura SI, Anxionnat R, Desal H, Biscoito L, Pumar JM, Diaz O, Fraser JF, Linfante I, Liebeskind DS, Nogueira RG, Hacke W, Brainin M, Yan B, Soderman M, Taylor A, Pongpech S, Tanaka M, Terbrugge K; Asian-Australian Federation of Interventional and Therapeutic Neuroradiology (AAFITN); Australian and New Zealand Society of Neuroradiology (ANZSNR); American Society of Neuroradiology (ASNR); Canadian Society of Neuroradiology (CSNR); European Society of Minimally Invasive Neurological Therapy (ESMINT); European Society of Neuroradiology (ESNR); European Stroke Organization (ESO); Japanese Society for NeuroEndovascular Therapy (JSNET); French Society of Neuroradiology (SFNR); Ibero-Latin American Society of Diagnostic and Therapeutic Neuroradiology (SILAN); Society of NeuroInterventional Surgery (SNIS); Society of Vascular and Interventional Neurology (SVIN); World Stroke Organization (WSO); World Federation of Interventional Neuroradiology (WFITN). *AJNR Am J Neuroradiol.* 2018 Nov;39(11):E112-E117. doi: 10.3174/ajnr.A5853.

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Outras Publicações

1. 2025 Middle Meningeal Artery Embolization In Chronic Subdural Hematoma: Technical Nuances And Preliminary Outcomes. RD Armindo, S Sequeira, J Oliveira, D Morgado, J Andrade, C Reizinho, P Vilela. *Stroke: Vascular and Interventional Neurology* 4, e12984_328
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13. 2018 Systematic comparison of DTI metrics as potential biomarkers in cerebral small vessel disease. Ana Fouto, Rita G Nunes, Joana Pinto, Luísa Alves, Sofia Calado, Carina

Gonçalves, Pedro Vilela, Miguel Viana Baptista, Patrícia Figueiredo. Proc. of the Joint Annual Meeting ISMRM-ESMRMB 2018

14. 2015 Perfusion changes during migraine without aura attacks an arterial spin labeling MRI perfusion study. R Gil-Gouveia, J Pinto, P Figueiredo, P Vilela, I Martins. Cephalalgia 35, 10-11. 2015
15. 2011 Dynamics of CBF and BOLD Responses to a Cued Deep Breathing Paradigm. I Sousa, P Vilela, P Figueiredo. Proc. Intl. Soc. Mag. Reson. Med 19, 4001. 2011
16. 2010 Localization of the hand motor area using BOLD and ASL fMRI. M Pimentel, P Vilela, I Sousa, P Figueiredo. Proc. 18th Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM 2010)
17. 2010 Correction of partial volume effects in PASL perfusion measurements. M Pimentel, P Vilela, I Sousa, P Figueiredo. Proc. Intl. Soc. Mag. Reson. Med 18, 4062 - 2010
18. Congenital hydrocephalus and L1 disease: a case report (2009: 7b). T Nunes, JP Monteiro, JC Ferreira, P Vilela. European Radiology 19 (10), 2551-2554 - 2009
19. 2006 Pressure Measurements during Embolization of an AVM. MF Secca, JL Ferreira, A Goulão, P Vilela. World Congress on Medical Physics and Biomedical Engineering 2006: August 27–September 1, 2006 COEX Seoul, Korea “Imaging the Future Medicine”
20. Transvenous occlusion of a dural cavernous sinus fistula using a new expandable hydrogel-platinum coil (Hydrocoil) - General comment. P Vilela. Interventional Neuroradiology 10 (2), 154-154 2004

Anexo 2. Lista de Palestras / Comunicações Orais

ESNR: European Course in Diagnostic and Interventional Neuroradiology Summer School

1. 2023: ESNR Summer School Izmir Turkey
 - a. Code stroke: what is new? Vilela P.
 - b. Venous sinus thrombosis and venous ischemia. Vilela P.

2. 2025: ESNR Summer School Antalya
 - a. Acute stroke treatment: An update. Vilela P.
 - b. Intracranial hypertension: An underdiagnosed pathology? Vilela P.

ESNR: European Course in Diagnostic and Interventional Neuroradiology

1. 2007: European Society of Neuroradiology (ESNR) The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 3rd Course: Vascular Diseases of the CNS. November; Basel Switzerland
 - a. Hemorrhages from systemic origin. Vilela P.
 - b. Venous Lesions from anomalies to cerebral infarcts. Vilela P.

2. 2008: European Society of Neuroradiology (ESNR) The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 1st Course: Embryology, Anatomy, Malformations and Genetics; October Tarragona Spain.
 - a. Posterior fossa arteries. Anatomy and imaging. Vilela P.
 - b. Venous development and variability. Vilela P.

3. 2009: European Society of Neuroradiology (ESNR) The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 2nd Course: Tumors of the CNS. March Rome Italy
 - a. Workshop: Maxillo-facial vascular tumors. Vilela P.
 - b. Workshop: Facial capillary hemangiomas. Vilela P.
 - c. Workshop: Paragangliomas: Neuroradiological treatment. Vilela P.

4. 2010. European Society of Neuroradiology The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology ESNR 1st Course: Embryology, Anatomy, Malformations and Genetics; October; Tarragona Spain.
 - a. Posterior Fossa arteries. Anatomy and imaging. Vilela P.
 - b. Workshop: Developmental venous anomalies and cavernomas. Vilela

- c. Workshop: Dural sinus anatomy. Vilela P.
5. 2011: European Society of Neuroradiology ESNR The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 2nd Course: Tumors of the CNS. March; Rome Italy. 2011.
 - a. Workshop: Maxillo-facial vascular tumors. Vilela P.
 - b. Workshop: Facial capillary hemangiomas. Vilela P.
 - c. Workshop Neuroradiological treatment. Vilela P.
 - d. Workshop: Paragangliomas, Juvenile angiofibromas treatment. Vilela P.
 - e. Workshop: Cranial dural AV shunts arterial approach. Vilela P.
 6. 2012: European Society of Neuroradiology ESNR The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 3rd Course: Vascular diseases. October; Tarragona Spain
 - a. Dural sinus and venous thrombosis: from anatomy to imaging. Vilela P.
 - b. Workshop: Venous anomalies and cavernomas. Vilela P.
 7. 2012: European Society of Neuroradiology ESNR The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 1st Course: Embryology, Development and Malformations of the CNS. Antalya Turkey.
 - a. Venous development and variability. Vilela P.
 - b. Dural sinuses anatomy. Vilela P.
 - c. Workshop: Developmental venous anomalies and cavernomas. Vilela P.
 8. 2013: European Society of Neuroradiology ESNR The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 2nd Course: Tumors of the CNS. Athens, Greece
 - a. Paragangliomas. Vilela P.
 9. 2013: European Society of Neuroradiology ESNR The Pierre Lasjaunias European Course in Diagnostic and Interventional Neuroradiology 3rd Course: Vascular disorders. Antalya Turkey
 - a. Dural sinus and venous thrombosis: from anatomy to imaging. Vilela P.
 10. 2014: Pierre Lasjaunias European Course Of Diagnostic And Interventional Neuroradiology 13th Cycle 1st Course “Embryology, Development and Malformations of the CNS” Antalya, Turkey
 - a. Venous development and variability. Vilela P.
 - b. Workshops: Developmental venous anomalies and cavernomas. Vilela P.

11. 2015: Pierre Lasjaunias Course in Neuroradiology, Diagnostic and Interventional 13th Cycle 2nd course: Tumors of CNS. Rhodes Greece
 - a. Paragangliomas
 - b. Vascular facial lesions general concepts, angiogenesis and classification
 - c. Workshop Vascular tumors

12. 2015: Pierre Lasjaunias Course in Neuroradiology, Diagnostic and Interventional 13th Cycle 3rd course: Vascular diseases. Izmir Turkey
 - a. Dural sinus thrombosis: from anatomy to imaging. Vilela P.
 - b. Workshop: Imaging in venous disease tricks and pitfalls. Vilela P.

13. 2016: Pierre Lasjaunias Course in Neuroradiology, Diagnostic and Interventional 13th Cycle 4th Course "Trauma and Degenerative Diseases" Rhodes, Greece
 - a. Intracranial hypertension, hypotension and CSF-leaks. Vilela P.
 - b. Workshop Intracranial hypotension. Vilela P.

14. 2016: European Course Of Diagnostic And Interventional Neuroradiology 14th Cycle 1st Course "Embryology, Development and Malformations of the CNS" Antalya, Turkey
 - a. Venous development and variability. Vilela P.
 - b. Workshop: Developmental venous anomalies and cavernomas. Vilela P.

15. 2017: European Course of Diagnostic and Interventional Neuroradiology, on Module 3rd Course "vascular diseases" Dubrovnik Croatia
 - a. Venous ischemia, pathophysiology and diagnosis. Vilela P.

16. 2018: European Course of Diagnostic and Interventional Neuroradiology, on Module 4th Course "Trauma, Infection and Degenerative Disease" Antwerp Belgium
 - a. Intracranial hypertension, hypotension and CSF-leaks. Vilela P.
 - b. Workshop: Intracranial hypertension. Vilela P.

17. 2018: European Course of Diagnostic and Interventional Neuroradiology, on Module 4th Course "Trauma, Infection and Degenerative Disease" Dubrovnik Croatia
 - a. Anatomy of the venous system. Vilela P.
 - b. Vascular Malformations. Vilela P.

18. 2019: European Course of Diagnostic and Interventional Neuroradiology, on Module 3rd Course "vascular diseases" Rovinj Croatia
 - a. Therapy strategies, studies and guidelines

- b. The concept of penumbra and salvage brain
19. 2020: European Course in Neuroradiology, Diagnostic and Interventional Module 4: Degenerative, Metabolic, Inflammatory and Infectious. (online)
- a. Intracranial hypertension, hypotension and CSF-leaks. Vilela P.
 - b. Workshop: Intracranial hypertension, hypotension and CSF-leaks. Vilela P.
20. 2020: European Course in Interventional Neuroradiology, Module 1: “Cerebral and Head & Neck Vascular Anatomy, Embryology and Pathophysiology” (online)
- a. Venous sinuses. Vilela P.
 - b. Superficial venous system. Vilela P.
 - c. Deep venous system. Vilela P.
 - d. Workshops: Venous malformation. Vilela P.
21. 2021: European Course in Neuroradiology, Diagnostic and Interventional Module 1 Cerebral and Head & Neck Vascular Anatomy, Embryology and Pathophysiology. Malta
- a. Embryology of the vascular system. Vilela P.
 - b. Anatomy of the intracranial vessels and vascular territories. Vilela P.
 - c. Anatomy of the venous system. Vilela P.
22. 2022: European Course in Neuroradiology, Diagnostic and Interventional Module 4: Degenerative, Metabolic, Inflammatory and Infectious. Berlin Germany
- a. Intracranial hypertension, hypotension and CSF-leaks. Vilela P.
 - b. Workshop: CSF Pressure Disorders. Vilela P.
23. 2024: European Course in Neuroradiology, Diagnostic and Interventional Module 4: Degenerative, Metabolic, Inflammatory and Infectious. Antwerp Belgium
- a. Intracranial hypertension, hypotension and CSF-leaks. Vilela P.
 - b. Workshop: Intracranial hypertension, hypotension and CSF-leaks. Vilela P.
24. 2024: European Course in Neuroradiology, Diagnostic and Interventional Module 1: Anatomy and embryology. Valencia Spain
- a. Anatomy of the intracranial and neck venous system. Vilela P.
 - b. Extracranial Vascular malformations. Vilela P.
 - c. Workshop: Head and neck vascular malformations. Vilela P.
25. 2025: European Course in Neuroradiology, Diagnostic and Interventional Module 2: Tumors. Prague Czech Republic

- a. Interventional Neuroradiology and tumors: endovascular treatment. Vilela P.

European Society of Neuroradiology Advanced courses in Vascular Interventional Neuroradiology

1. 2010: European Society of Neuroradiology (ESNR) Advanced courses in Vascular Interventional Neuroradiology 2nd Course (1st cycle). Chronic ischemic diseases treatment / DAV fistulas. April; Paris France. 2010.
 - a. Workshop: Endovascular treatment, arterial approaches. Houdart E., Vilela P.
2. 2010: European Society of Neuroradiology (ESNR) Advanced courses in Vascular Interventional Neuroradiology 3rd Course (1st cycle). Acute stroke and brain AVMs. May; Naples Italy. 2010
 - a. How to decide about the best treatment. Vilela P.
 - b. Workshop. Simulators: Stent deployment, brain protection devices. Houdart E. Muto M. Vilela P.
3. 2010: European Society of Neuroradiology ESNR Advanced course in Vascular Interventional Neuroradiology. 4th Course (1st cycle) Spine, spinal cord and ENT vascular diseases. September; Lisbon Portugal
 - a. Cervical vascular tumors and other cervicofacial vascular lesions – endovascular treatment. Vilela P
 - b. Workshop: Clinical cases-based anatomy & anastomosis. Pereira V., Vilela P.
 - c. Workshop: Venous anatomy from brain to spine. Bracard S., Vilela P.
 - d. Workshop: Paragangliomas& JAF embolisation workshop. Bracard S. Vilela P.
4. 2011: European Society of Neuroradiology ESNR Advanced course in Vascular Interventional Neuroradiology. Acute stroke and brain AVMs. March; Naples Italy. 2011.
 - a. AVM: Review of clinical results. Vilela P.
5. 2012: European Society of Neuroradiology ESNR Advanced course in Vascular Interventional Neuroradiology. AVM, DAV fistulas and ENT. April; Naples Italy. 2012.
 - a. Vascular anatomy and important connections between the internal and external carotid arteries. Vilela P.
 - b. Management of epistaxis and maxillofacial venous anomalies. Vilela P.
 - c. Workshop: Case illustrating the pitfalls, traps and difficulties of skull base and maxillofacial tumors. Pereira V., Vilela P.

6. 2012: High Qualification Interventional Neuroradiology Cycle 4 Course1 Plenary session: aneurysm cases, management considerations
 - a. Plenary session: aneurysm cases, management considerations
 - b. Plenary session: Intracranial catheterization and stenting
 - c. Plenary session: Carotid stenting

7. 2020: ESNR - European Course in Interventional Neuroradiology (online)
 - a. Venous sinuses. Vilela P.
 - b. Superficial venous system. Vilela P.
 - c. Deep venous system. Vilela P.

ESNR: European Course in High Qualification in Spine Neuroradiology

1. 2016: ESNR / 8th Advanced Course of HQ in Spine Neuroradiology - Diagnostic & Interventional. Catania Italy
 - a. Imaging of Degenerative thoraco-lumbar spine. Vilela P.

2. 2020 ESNR European Course on Spine Radiology Rome Italy
 - a. Spinal Cord Ischemia. Vilela P.

3. 2023 ESNR ESSR European Course on Spine Radiology. Athens
 - a. Spinal Cord Ischemia. Vilela P.
 - b. Vascular Imaging of the Spine and Spinal Cord CTA, MRA, DSA, and more. Vilela P.

ESNR: European Course of Diagnostic and Interventional Neuroradiology in Latin America (ECNR-Latam)

1. 2017: European Course of Diagnostic and Interventional Neuroradiology in Latin America (ECNR-Latam) Module 1 Anatomy and embryology. São Paulo Brazil
 - a. Anatomy and neuroimaging techniques of the cerebral circulation. Vilela P.
 - b. Anatomy of the vertebral column. Vilela P.
 - c. Workshop: Classification of brain AVMs. Vilela P.

2. 2018: European Course of Diagnostic and Interventional Neuroradiology in Latin America (ECNR-Latam) Module 3 vascular diseases. São Paulo Brazil
 - a. Dural arteriovenous fistulae I: diagnosis. Vilela P.
 - b. Dural arteriovenous fistulae II: treatment. Vilela P.
 - c. Diagnosis and Management of Unruptured Aneurysm. Vilela P.

- d. Venous Ischemia. Vilela P.
 - e. Workshop: Imaging in Venous Diseases: Tricks and Pitfalls. Vilela P.
3. 2019: European Course of Diagnostic and Interventional Neuroradiology in Latin America (ECNR-Latam) Module 4 Trauma/degenerative/metabolic/Inflammatory Diseases. São Paulo Brazil
- a. Degenerative spine disease. Vilela P.
 - b. Spine infection. Vilela P.
 - c. Spondyloarthropathies. Vilela P.
4. 2019: European Course of Diagnostic and Interventional Neuroradiology in Latin America (ECNR-Latam) Module 1 Anatomy and embryology. Cartagena Colombia
- a. Embryology of the vascular system. Vilela P.
 - b. Anatomy and imaging techniques of extracranial neck vessels. Vilela P.
 - c. Anatomy of the venous system. Vilela P.
 - d. ECA-ICA dangerous anastomosis. Vilela P.
5. 2022: European Course of Diagnostic and Interventional Neuroradiology in Latin America (ECNR-Latam) Module 3 vascular diseases. Cartagena de Indias Colombia
- a. The concept of penumbra and salvage brain. Vilela P.
 - b. Therapy strategies, studies and guidelines. Vilela P.
 - c. Cerebral Amyloid Angiopathy and all its faces. Vilela P.
 - d. Venous sinus thrombosis and venous ischemia. Vilela P.
 - e. Workshop: Imaging in Venous Diseases: Tricks and Pitfalls. Vilela P.

ESNR: Other Courses

1. 2024: ESNR announces the Advanced Course in Diagnostic Neuroradiology on Neurovascular Imaging. Annecy Session: State of the art in stroke and aneurysm diagnosis and follow-up evaluation.
- a. Cervico -encephalic arterial stenosis: structural analysis and quantification for stroke risk and therapeutic management. Vilela P.
 - b. Workshop Case-based workshops on stroke and vascular malformations, LVO stenosis & Thrombectomy. Vilela P.

- **Sociedade Europeia de Radiologia (ESR) – European School of Radiology (ESoR)**

1. 2013 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation Course on Neuroradiology. Izmir/Turkey.
 - a. Stroke diagnosis and therapy. Vilela P
2. 2014 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation Course on Neuroradiology, Wrocław Poland
 - a. Stroke diagnosis and therapy. Vilela P
3. 2015 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation Course on Neuroradiology, Barcelona Spain
 - a. Essentials of interventional neuroradiology. Vilela P
 - b. Imaging in stroke. Vilela P
4. 2015 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation Course on Neuroradiology, Saint Peterburg Russia
 - a. Imaging in stroke. Vilela P.
 - b. Stroke: diagnosis and treatment. Vilela P.
 - c. Stroke mimickers and pitfalls. Vilela P.
5. 2016 ESOR COURSES FOR EDiR 2016 NEURORADIOLOGY Vienna/Austria
 - a. Stroke imaging. Vilela P
 - b. Spine and spinal cord tumours. Vilela P
 - c. Brain and spine trauma. Vilela P
 - d. Workshop: Interactive stroke imaging case discussion. Vilela P
 - e. Workshop: Interactive spine and spinal cord tumours case discussion. Vilela P
 - f. Workshop: Interactive brain and spine trauma case discussion. Vilela P
6. 2016 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation Course on Neuroradiology, Warsaw Poland
 - a. Brain and spine trauma. Vilela P
 - b. Stroke imaging. Vilela P
 - c. Workshop: Brain ischemia. Vilela P
7. 2018 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation Course on Neuroradiology, Paris France
 - a. Stroke: diagnosis and therapy. Vilela P

8. 2019 ESOR ASKLEPIOS INTERNATIONAL Course NEURORADIOLOGY Bangkok/Thailand
 - a. Venous ischemia, pathophysiology and diagnosis. Vilela P.
 - b. Recanalization and reperfusion in acute cerebral ischemia: controlled studies and guidelines. Vilela P.
 - c. Workshop: Venous ischemia & differential diagnosis
 - d. Workshop: Recanalization and reperfusion in acute cerebral ischemia: controlled studies and guidelines

9. 2019 ESOR COURSES FOR EDiR 2016 NEURORADIOLOGY Vienna/Austria
 - a. Acute haemorrhagic lesions imaging. Vilela P.
 - b. Vascular malformations overview. Vilela P.
 - c. Intracranial extra-axial lesions: differential diagnosis. Vilela P.

10. 2019 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation. Lisbon Portugal
 - a. Brain and spine trauma. Vilela P
 - b. Ischemic stroke: diagnosis and therapy

11. 2019 ESOR – EUROPEAN SCHOOL OF RADIOLOGY ASKLEPIOS Course: mechanical thrombectomy. Lille France
 - a. From grade A to off-label thrombectomy: ARTS, SAVE, EPIC, BGC, SOS! Vilela P.

12. 2019 ESOR ASKLEPIOS INTERNATIONAL Course NEURORADIOLOGY Rio de Janeiro/Brazil
 - a. Headache imaging in emergency. Vilela P.

13. 2020 ESOR – EUROPEAN SCHOOL OF RADIOLOGY GALEN Foundation Naples Italy
 - a. Traumatic brain injury: a practical guide. Vilela P

14. 2020 ESOR online GALEN Foundation Course on Neuroradiology
 - a. Traumatic brain injury: a practical guide. Vilela P.
 - b. Spine pain: degenerative spine disease and differential diagnosis. Vilela P.
 - c. Acute headache imaging at the emergency room. Vilela P.
 - d. Interventional Neuroradiology: major endovascular treatments. Vilela P.

15. 2021 ESOR online GALEN Foundation Course on Neuroradiology
 - a. Traumatic brain injury: a practical guide. Vilela P.
 - b. Spine pain: degenerative spine disease and differential diagnosis. Vilela P.
 - c. Acute headache imaging at the emergency room. Vilela P.

- d. Interventional Neuroradiology: major endovascular treatments. Vilela P.

- **World Federation of Interventional and Therapeutic Neuroradiology (WFITN)**

Com especial relevância na atividade de Neurorradiologia de Intervenção saliento a participação como palestrante convidado nos cursos de anatomia vascular da WFITN nos cursos da reunião ABC-WIN. Adicionalmente, os dois primeiros cursos de anatomia da WFITN foram organizados em Lisboa, tendo sido membro organizador das mesmas. Por último, assinalo a participação nas reuniões AOSpine Masters Symposium com relevância na abordagem da patologia da coluna.

WFITN Neurovascular Anatomy in Stroke Course

1. 2013 ESNR - European School of Neuroradiology WFITN – World Federation of Interventional Neuroradiology Course on Neurovascular Anatomy Lisbon Portugal
 - a. Vertebro-Basilar system. PICA, AICA, SCA P. Vilela
 - b. Intracranial Venous system: Cortical veins and dural sinuses: supra and infratentorial dispositions. Normal vascular anatomy and variations P. Vilela
 - c. Workshop: ICA – VB perforators S. Bracard P. Vilela
 - d. Workshop: Cortical (neopallial) arteries S. Bracard P. Vilela

2. 2015 WFITN – World Federation of Interventional Neuroradiology Course on Neurovascular Anatomy Lisbon Portugal
 - a. Vertebro-Basilar system. PICA, AICA, SCA. Vilela P.
 - b. Intracranial Venous system: Cortical veins and dural sinuses: supra and infratentorial dispositions. Normal vascular anatomy and variations. Vilela P.
 - c. Pharyngo-occipital system. Vilela P.
 - d. Workshop: ICA – VB perforators. Vilela P.
 - e. Workshop: Cortical (neopallial) arteries. Vilela P.

3. 2016 WFITN Course on Neurovascular Anatomy. São Paulo, Brasil
 - a. Anatomy course Intracranial Venous system. Cortical veins and dural sinuses: supra and infratentorial dispositions. Normal vascular anatomy and variations. Vilela P.
 - b. Pharyngo-occipital system. Vilela P.
 - c. Vertebro-Basilar system . PICA, AICA, SCA. Vilela P.

4. 2017 WFITN Course on Neurovascular Anatomy. New Delhi, India
 - a. The arteries of the cranio cervical junction: Pharyngo-occipital system: embryology (proatlantal 1 and 2, hypoglossal), anatomy, arterial variations. Vilela P.
 - b. Vertebro-Basilar system. PICA, AICA, SCA. Vilela P.
 - c. Intracranial Venous system: Cortical veins and dural sinuses: supra and infratentorial dispositions. Normal vascular anatomy and variations. Vilela P.

5. 2025 WFITN Course on Neurovascular Anatomy. Naples Italy
 - a. Post Fossa venous anatomy. P. Vilela
 - b. Supratentorial venous anatomy. P. Vilela
 - c. ACA cortical territories. P. Vilela
 - d. Workshop: ACA stroke cases. Vilela P

ABC-WIN seminar Val 'Isère France

1. 2019: ABC-WIN seminar Val 'Isère France
 - a. Dangerous anastomosis of the anterior skull base. Vilela P.

AOSpine Masters Symposium

1. 2014: AOSpine Masters Symposium Lisbon, Portugal.
 - a. Imagiology Spine tumors P Vilela
 - b. Imagiology Spine infections P Vilela

Neurorradiologia diagnóstica

1. 2014 IX Curso de imagenes diagnosticas. Bogota Colombia
 - a. Stroke mimickers and pitfalls
 - b. AVM imaging, treatment and monitoring
 - c. MRA Applications (TOF, PC, CE MRA; Dynamic MRA)

2. 2015 Singapore 15th advances neuroradiology course. Singapora. Republic of Singapore
 - a. Arterial Spin Labeling (ASL) and Imaging of the Cerebrovascular Reserve. Vilela P.
 - b. Microvascular disease. Vilela P.

3. 2016 48th International Diagnostic Course Davos Excellence in Teaching Diseases of the Brain, Head and Neck, Spine Brain Ischemia. Davos Switzerland
 - a. Ischemic stroke. Howard A. Rowley, USA Pedro Vilela, PT

4. 2019: Spanish and Portuguese Spine Societies Course Diploma. Lisboa Portugal
 - a. Imaging of myelopathy: techniques and prognostic indicators. Vilela P.
 - b. Imaging of spinal stenosis and degenerative spondylolisthesis. Vilela P.

5. 2019: 2019 Ahead (Advanced Health Education) Imaging of the Brain in the Acute Setting of Stroke. Lisboa Portugal
 - a. Imaging of the Brain in the Acute Setting of Stroke. Vilela P

6. 2020 Ahead (Advanced Health Education) Spinal: Degenerative pathology (online)
 - a. Imaging of Spinal: Degenerative pathology. Vilela P

7. 2020: SPR 24º curso de atualização em imagens da Sociedade Paulista de Radiologia (on line)
 - a. Intracranial hypertension. Vilela P.

8. 2022: Spanish (GEER) and Portuguese (SPPCV) spine societies course diploma. Lisboa Portugal
 - a. Imaging of spinal stenosis and degenerative spondylolisthesis. Vilela P.
 - b. Imaging of myelopathy: techniques and prognostic indicators. Vilela P.

9. 2025 Val d'Isere Vilgrain: the essence of imaging. Val d'Isere France
 - a. Inflammatory brain lesions. Vilela P.
 - b. How to image gliomas. Vilela P.
 - c. How to take the best from cta/mra in vascular disorders. Vilela P.

Neurrorradiologia de intervenção

1. 2014: 15th Annual Interventional Neuroradiology Symposium Toronto Canada.
 - a. Venous Anatomy, Variations, Malformations. Vilela P.
2. 2023: Fellows Rounds @ UCSF (University of California San Francisco) (online)
 - a. Spine: From vascular disease to anatomy. Vilela P.
3. 2023: Disease Education Forum (DEF) Paris France
 - a. Development and Anatomy of the Sigmoid-Transverse and Jugular vein Junction. Vilela P.

Congresso anual da Sociedade Portuguesa de Neurrorradiologia (SPNR)

1. 2015: XI Congresso da SPNR Aveiro
 - a. Abordagem diagnóstica multimodal na fase aguda do AVC. Vilela P.
2. 2018: XIV Congresso da SPNR Loures
 - a. A imagem de perfusão TC no AVCi agudo. Vilela P.
3. 2019: XV Congresso da SPNR Coimbra
 - a. Neuromyelitis optica and related disorders. Vilela P
4. 2022: XVIII Congresso da SPNR Lisboa
 - a. Pediatric vascular malformations. Vilela P

European Society of Neuroradiology (ESNR) Annual Meeting

1. 2016: 39th ESNR Annual Meeting, with 23rd Advanced Course on Diagnostic Neuroradiology and 8th Advanced Course on Interventional Neuroradiology.
 - a. Clinical findings and Imaging of venous thrombosis. Vilela P.
2. 2017: 40th ESNR Annual Meeting, the 24th Advanced Course in Diagnostic Neuroradiology and the 9th Advanced Course in Interventional Neuroradiology
 - a. Clinical findings and Imaging of venous thrombosis. Vilela P.
3. 2018: 41st ESNR annual meeting, 25th advanced course in diagnostic neuroradiology and 10th advanced course in interventional neuroradiology
 - a. Session: Endovascular AVM Treatment after Philosophical and Technical Insights: When and when not to treat AVMs? Vilela P.

4. 2021: 44th Annual Meeting of the ESNR and the 27th Advanced Course in Diagnostic Neuroradiology as well as the 12nd Advanced Course in Interventional Neuroradiology.
 - a. Extracranial neuro-vascular pathologies. Vilela P

5. 2022: 45th Annual Meeting of the ESNR and the 28th Advanced Course in Diagnostic Neuroradiology as well as the 13rd Advanced Course in Interventional Neuroradiology
 - a. Pre-meeting course: Introduction Pedro Vilela, PT
 - b. Introduction to Individualized and Precision Medicine. Introduction to the advanced diagnostic course Pedro Vilela, PT
 - c. Interactive cases Pedro Vilela / Antônio José da Rocha / Jasmina Boban

6. 2023: 46th ESNR Annual Meeting. Austria Vienna
 - a. Small vessel disease, brain and physical exercise: healthy or dangerous? Vilela P.

7. 2024: 47th ESNR Annual Meeting Paris France.
 - a. When should we suspect cerebral venous disease on brain imaging? Vilela P.

8. 2025: Invited for: 48th Annual Meeting of the European Society of Neuroradiology, 15th Asian-Oceanian Congress of Neuroradiology and Head and Neck Radiology, and 34th Annual Meeting of the Turkish Society of Neuroradiology (jointly organized by ESNR & AOSNHNR & TSNR). Istanbul Turkey
 - a. My three top tips for vascular imaging. Vilela P.

European Congress of Radiology (ECR)

1. ECR 2012 Session (RC 1911):
 - a. MRI in microvascular and inflammatory diseases. Vilela P.

2. ECR 2013 Session (RC 1211):
 - a. Stroke: is the prognosis getting any better? Vilela P.

3. ECR 2014 Session (RC 1211):
 - a. Stroke: diagnosis, mimics and treatment: Stroke mimickers and pitfalls. Vilela P.

4. ECR 2015 Basic Session 2. Neuroradiology:
 - a. Vascular Malformations. Vilela P.

5. ECR 2018 State of the Art Symposium Session (SA 17):

- a. Interventional treatment of stroke: a game changer. Vilela P.
- 6. ECR 2021 Summer Edition: “Heart meets Brain”
 - a. Stroke diagnosis and differentials
- 7. ECR 2021
 - a. E³ 418 - Vascular disorders beyond stroke: small arteries and veins
 - i. Veins are different. Vilela P.
- 8. ECR 2022
 - a. RC 611 - Around the brain lesions in neuroimaging.
 - i. Incidental aneurysm: when and how to follow-up. Vilela P.
- 9. ECR 2024.
 - a. SF 13: The future is here: Scales and numbers in neuroimaging Scales and numbers in stroke imaging. Vilela P.
 - b. RC 1811: Neurovascular intervention for the non-interventionalist Aneurysm evaluation: what diagnostic information helps better treatment planning? Vilela P

ASNR - American Society of Neuroradiology

- 1. 2020: ASNR Virtual (web congress) May 2020.
 - a. SNIS Programming: Essentials of Neuroradiology: The Cerebrospinal Vasculature. Important Steps on Arterial and Venous Development. Vilela P.

The European Society for Magnetic Resonance in Medicine and Biology (ESMRMB)

- 1. 2012: ESMRMB 29th Annual Meeting
 - a. Teaching Sessions: Advances in stroke MR Imaging: Imaging of cerebrovascular reserve: how and why? Vilela P.

Cardiovascular and Interventional Radiological Society of Europe (CIRSE)

- 1. 2012: CIRSE 2012 Congress
 - a. Satellite Symposium: Siemens Innovations in interventional radiology – clinical experience and application demo Update on syngo DynaCT in neuro interventions. Vilela P.

European Stroke Organization Conference (ESOC)

1. 2016 2nd ESOC Barcelona Spain
 - a. Imaging of collateral circulation. Vilela P.

Sociedad Ibero Latino Americana De Neurorradiología Diagnóstica y Terapéutica (SILAN)

1. 2019: XXXI Congresso Anual - SILAN 2019 Porto Portugal.
 - a. Glymphatic System: an overview. Vilela P.
2. 2024: XXXIV Congresso Anual – SILAN 2024. Puerto Varas Chile.
 - a. Small vessel disease and differential diagnosis. Stroke Mimics. Vilela P.

Sociedad Espanola de Neuroradiologia (SENR)

1. 2016 XLVI Reunion Annual SENR
 - a. Potencial de la perfusión como generador de biomarcadores. Vilela P
 - b. Imaging the Collateral Circulation. Vilela P.

Jornada Paulista de Radiologia (JPR)

2. 2013: JPR 2013
 - a. State of the art session: Ischemic stroke. Vilela P.
 - b. Cerebrovascular reactivity / reserve with ASL and BOLD. Vilela P.
3. 2015: JPR 2015
 - a. ASL reatividade vascular cerebral. Vilela P.
 - b. Stroke mimickers and pitfalls. Vilela P.
4. 2019: JPR 2019
 - a. Glymphatic System: an overview. Vilela P
 - b. Update: ASL. Vilela P.

Sociedade Brasileira de Neurorradiologia (SBNR)

1. 2016: 12º congresso da SBNR S Paulo Brasil
 - a. Mechanical thrombectomy imaging predicting factors perspective. Vilela P.

Outros:

2. 2016: Leaping Forward – International Clinical Congress Mind, Cognition and Neurodegeneration Symposium Lisbon Portugal
 - a. Current status of neuroimaging in dementia: where are we? Lisbon Portugal. Vilela P.

3. 2019 Porto Oporto Neuroradiology 50th Anniversary International Symposium Porto Portugal
 - a. ASL arterial spin labeling: from principles to vascular disease application is it worthwhile? Vilela P.

4. 2019 Lisboa 39^o congresso da SPNC (neurocirurgia)
 - a. Endovascular Treatment of Ruptured Intracranial Aneurysms. Vilela P.

5. 2020: ESNR web lectures State-of-the-art endovascular treatment of stroke
 - a. State-of-the-art endovascular treatment of stroke. Vilela P

Anexo 3. Lista de participação em Ensaios Clínicos

1. Monaleesa-7: "A Phase III Randomized, Double-Blind, Placebo-Controlled Study Of Lee011 Or Placebo In Combination With Tamoxifen And Goserelin Or A Non-Steroidal Aromatase Inhibitor (Nsai) And Goserelin For The Treatment Of Premenopausal Women With Hormone Receptor Positive, Her2-Negative, Advanced Breast Cancer"
2. Ipatunity170 (C041101): "A Phase III, Double-Blind, Placebo-Controlled, Randomized Study Of Ipatasertib In Combination With Atezolizumab And Paclitaxel As A Treatment For Patients With Locally Advanced Unresectable Or Metastatic Triple-Negative Breast Cancer"
3. 61186372nsc3004 (Paloma-3): "A Phase III Open-Label, Randomized Study Of Lazertinib With Subcutaneous Amivantamab Compared With Intravenous Amivantamab In Patients With EgfrMutated Advanced Or Metastatic Non-Small Cell Lung Cancer After Progression On Osimertinib And Chemotherapy"
4. Oceanic-Stroke: "A Multicenter, International, Randomized, Placebo Controlled, DoubleBlind, Parallel Group And Event Driven Phase 3 Study Of The Oral Fx1a Inhibitor Asundexian (Bay 2433334) For The Prevention Of Ischemic Stroke In Male And Female Participants Aged 18 Years And Older After An Acute Non-Cardioembolic Ischemic Stroke Or High-Risk Tia"
5. Clou064c12302: "Um Estudo Randomizado, Em Dupla Oculatgão, Com Dois Placebos, De Grupos Paralelos, Que Compara A Eficácia E Segurança Do Remibrutinib Versus Teriflunomida Em Participantes Com Esclerose Miltipla Com Surtos, Seguido Por Uma Extensão Do Tratamento Com Remibrutinib Em Fase Aberta"
6. Cjdq443b12301 (Kontrast 02): "A Randomized, Controlled, Open Label, Phase Iii Study Evaluating The Efficacy And Safety Of Jdq443 Versus Docetaxel In Previously Treated Subjects With Locally Advanced Or Metastatic Kras G12c Mutant Non-Small Cell Lung Cancer"

7. W043571 (Heredera): "Estudo De Fase III, Aberto E Aleatorizado, Para Avaliação Da Eficácia E Da Segurança De Giredestrant Em Associação Com Phesgo Versus Phesgo Após Terapêutica De Indução Com Phesgo+Taxano Em Doentes Com Cancro Da Mama Her2 Positivo E Re Positivo Localmente Avançado Ou Metastático, Sem Tratamento Prévio"
8. Pleno: "Open-Label, Randomized, 2-Arm,, Active Comparator Study To Evaluate Safety And Tolerability In Portuguese Patients With Relapsing Remitting Multiple Sclerosis (Ms) Transitioning From Current Subcutaneous Interferon Therapy To Peginterferon Beta la (Plegridy)"
9. Skyscraper-03 (G041854): A Phase III, Open-Label, Randomized Study Of Atezolizumab And Tiragolumab Compared With Durvalumab In Patients With Locally Advanced, Unresectable Stage Iii Non-Small Cell Lung Cancer Who Have Not Progressed After Concurrent PlatinumBased Chemoradiation"
10. Persevera (B041843): "A Phase III Randomized, Double-blind, Placebo-Controlled, Multicenter Study Evaluating The Efficacy And Safety Of Gdc-9545 Combined With Palbociclib Compared With Letrozole Combined With Palbociclib In Women With Estrogen ReceptorPositive, Her2-Negative Locally Advanced Or Metastatic Breast Cancer"
11. Bn42082 (Musette): 'IA Phase 3b Multicenter, Randomized, Double-Blind, Controlled Study To Evaluate The Efficacy, Safety And Pharmacokinetics Of A Higher Dose Of Ocrelizumab In Adults With Relapsing Multiple Sclerosis"
12. Lts17043: "An Interventional, Phase 3 Extension Study To Investigate Long-Term Safety And Tolerability Of Tolebrutinib In Participants With Relapsing Multiple Sclerosis, Primary Progressive Multiple Sclerosis, Or Nonrelapsing Secondary Progressive Multiple Sclerosis"
13. Mn39158 (Liberto): '(Single Arm, Open Label Multicentre Extension Study To Evaluate The Effectiveness And Safety Of Ocrelizumab In Patients With Multiple Sclerosis Previously Enrolled In A F. Hoffmann-La Roche Sponsored Ocrelizumab Phase Iiib/lv Clinical Trial"

14. Gn41851 (Fenhance): "Estudo De Fase III, Multicêntrico, Aleatorizado, Em Dupla Ocultação E Dupla Simulação E De Grupos Paralelos Para Avaliar A Eficácia E A Segurança De Fenebrutinib, Em Comparação Com Teriflunomida, Em Doentes Adultos Com Esclerose Múltipla"
15. Gn41791 (Fentrepid): "A Phase III Multicenter, Randomized, Double-Blind, Double-Dummy, Parallel-Group Study To Evaluate The Efficacy And Safety Of Fenebrutinib Compared With Ocrelizumab In Adult Patients With Primary Progressive Multiple Sclerosis"
16. C044657 (Pionera): "Estudo De Fase III, Aberto E Aleatorizado, Para Avaliação Da Eficácia E Segurança De Giredestrant, Em Comparação Com Fulvestrant, Ambos Em Associação Com Um Inibidor Cdk4/6, Em Doentes Com Cancro Da Mama Avançado Her2-Negativo Positivo Para Recetores De Estrogénio, Com Resistência A Terapêutica Endócrina Adjuvante Prévia"
17. Bn42083 (Gavotte): "Phase 3b Multicenter, Randomized, Double-Blind, Controlled Study To Evaluate The Efficacy, Safety And Pharmacokinetics Of A Higher Dose Of Ocrelizumab In Adults With Primary Progressive Multiple Sclerosis"
18. Wa40404 (O'hand): "Estudo De Fase III, Multicêntrico, Aleatorizado, Com Dupla-Ocultação, Controlado Por Placebo, Para Avaliação Da Eficácia E Segurança De Ocrelizumab Em Adultos Com Esclerose Múltipla Progressiva Primária"
19. Mn43964 (Olero): "Estudo De Extensão Multicêntrico Aberto, De Continuação Em Braço Único, Para Avaliar A Segurança E A Eficácia A Longo Prazo De Ocrelizumab Em Doentes Com Esclerose Múltipla"
20. Nn6535-4730 (Evoke): "A Randomised Double-Blind Placebo Controlled Clinical Trial Investigating The Effect And Safety Of Oral Semaglutide In Subjects With Early Alzheimer'S Disease (Evoke)"

21. Nn6535-4725 (Evoke Plus): "IA Randomised Double-Blind Placebo-Controlled Clinical Trial Investigating The Effect And Safety Of Oral Semaglutide In Subjects With Early Alzheimer'S Disease (Evoke Plus)"
22. Embark: "A Phase 3b, Open-Label, Single-Arm, Study To Evaluate The Long-Term Safety And Efficacy Of Aducanumab In Eligible Participants With Alzheimer's Disease"
23. 221ad301 (Engage): "A Phase 3 Study Of Aducanumab (Biib037) In Early Alzheimer's Disease"
24. Ms200527_0082 (Evolution): Phase III, Multicenter, Randomized, Parallel Group, Double Blind, Double Dummy, Active Controlled Study Of Evobrutinib Compared With Teriflunomide, In Participants With Relapsing Multiple Sclerosis To Evaluate Efficacy And Safety"
25. Gs-Us-626-6216 (Star-121): "A Randomized, Open-Label, Phase 3 Study To Evaluate Zimberelimab And Domvanalimab In Combination With Chemotherapy Versus Pembrolizumab With Chemotherapy For The First-Line Treatment Of Patients With Metastatic Non—Small Cell Lung Cancer With No Epidermal Growth Factor Receptor Or Anaplastic Lymphoma Kinase Genomic Tumor Aberrations"
26. Arastep: "A Randomized, Double-Blind, Placebo-Controlled Phase 3 Study Of Darolutamide Plus Androgen Deprivation Therapy (Adt) Compared With Placebo Plus Adt In Patients With High-Risk Biochemical Recurrence (Bcr) Of Prostate Cancer"
27. Estudo Ofatumumab nos Doentes Com Esclerose Múltipla Em Portugal: "Um Estudo Observacional, Longitudinal, Para Avaliar Principalmente A Efetividade De Ofatumumab Em Duas Coortes (Grupo De Tratamento Precoce E Tardio) Relativamente A Parâmetros Clínicos De Esclerose Múltipla (Neda-3 12-24 Meses) Em Contexto De Prática Clínica Habitual Em Portugal"
28. Comb157g2399 (Alithios): "Extensão Aberta, De Braço único, Multicêntrica, Para Avaliar A Segurança, A Tolerabilidade E A Eficácia De Longo Prazo De Ofatumumab Em Doentes Com Esclerose Múltipla Recidivante (Emr)"

29. Comb157g23101 (Artios): "Ensaio De Braço Único, Prospetivo, Multicêntrico, Aberto, Para Avaliar A Eficácia Do Tratamento Com Ofatumumab E Resultados Reportados Pelo Doente (Pro), Em Doentes Com Esclerose Múltipla Com Surtos (Ems) Após Tratamento Com Fumarato De Dimetilo (Dmf) Ou Fingolimod"
30. Clee011012001 (Adjuvant_Wider): "Um Estudo De Fase 3b De Ribociclib Em Combinação Com Terapia Hormonal Padrão No Tratamento De Doentes Com Cancro De Mama Precoce Hr+/Her2-(Adjuvant Wider)"
31. Dellphi-304 (20200004): "A Randomized, Open-Label, Phase 3 Study Of Tarlatamab Compared With Standard Of Care In Subjects With Relapsed Small Cell Lung Cancerafter Platinum-Based First-Line Chemotherapy And Durvalumab"
32. Dellphi-305 (20200041): "A Phase 3, Open-Label, Multicenter, Randomized Study Of Tarlatamab In Combination With Durvalumab Compared With Durvalumab As Maintenance Therapy In Subjects With Extensive-Stage Small-Cell Lung Cancer (Essclc) Following First-Line Induction Therapy With Platinum, Etoposide And Durvalumab"
33. Codebreak 202 (20190341): "A Phase 3, Multicenter, Randomized, Open-Label Study Evaluating Efficacy Of Sotorasib Platinum Doublet Combination Versus Pembrolizumab"
34. Platinum Doublet Combination As A Front-Line Therapy In Subjects With Stage Iv Or Advanced Stage Iiib/C Nonsquamous Non—Small Cell Lung Cancers, Negative For Pd-L1, And Positive For Kras P.G12c"