
JUSSI SIPILÄ

PUBLICATIONS

A Peer-reviewed scientific articles

* = as an investigator

1. Myller E, Sipilä J, Kaasinen V. Dopamiinin säätelyhäiriöön liittyvä lääkityksen liiakäyttö Parkinsonin taudissa. *Duodecim. in press* [review]
2. Sipilä JOT, Hietaharju A, Saukkonen AM, Kytövuori L, Balk L, Kaasinen V, Rauramaa T. Very late - onset neurodegeneration with brain iron accumulation associated with mild chorea: A clinicopathological case. *Mov Disord Clin Pract.* 2025 Mar 13. doi: 10.1002/mdc3.70032. *Online ahead of print.*
3. GBD 2021 Europe Life Expectancy Collaborators. Changing life expectancy in European countries 1990-2021: a subanalysis of causes and risk factors from the Global Burden of Disease Study 2021. *Lancet Public Health.* 2025 Mar;10(3):e172-e188. doi: 10.1016/S2468-2667(25)00009-X.
4. Lappalainen A, Ruuskanen J, Sipilä J. Akuuttien aivoverenkiertohäiriöiden rekanalisaatiohoitoarviointi ja päivystyksellinen hoito Suomen keskussairaaloissa vuonna 2023. *Duodecim.* 2025;141(7):557-64.
5. Spencer PS, Berntsson, SG, Buguet A, Butterfield P, Calne DB, Calne SM, Giménez Roldán S, Hugong J, Kahlona S, Kisby GE, Lagrange E, Landtblom AME, Ludolph AC, Nunn PB, Palmer VS, Reis J, Románo GC, Sipilä JOT, Spencer SS, Valdes Angues R, Vernoux JP, Yabushita M. Brain health: Pathway to primary prevention of neurodegenerative disorders of environmental origin. *J Neurol. Sci.* 2025 Jan 15;468:123340. doi: 10.1016/j.jns.2024.123340.
6. GBD 2021 Stroke Risk Factor Collaborators. Global, regional, and national burden of stroke and its risk factors, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet Neurol.* 2024 Oct;23(10):973-1003. doi: 10.1016/S1474-4422(24)00369-7.

7. Sumelahti ML, Verkko A, Kytö V, Sipilä JOT. Stable excess mortality in a Multiple Sclerosis cohort diagnosed 1970-2010. **Eur J Neurol**. 2024 Sep 11:e16480. doi: 10.1111/ene.16480. Online ahead of print
8. * Goeldlin MB, Hakim A, Branca M, Abend S, Kneihsl M, Valenzuela Pinilla W, Fenzl S, Rezny-Kasprzak B, Rohner R, Strbian D, Paciaroni M, Thomalla G, Michel P, Nedeltchev K, Gattringer T, Sandset EC, Bonati L, Aguiar de Sousa D, Sylaja PN, Ntaios G, Koga M, Gdovinova Z, Lemmens R, Bornstein NM, Kelly P, Katan M, Horvath T, Dawson J, Fischer U; ELAN Investigators. Early vs Late Anticoagulation in Minor, Moderate, and Major Ischemic Stroke With Atrial Fibrillation: Post Hoc Analysis of the ELAN Randomized Clinical Trial. **JAMA Neurol**. 2024 Jul 1;81(7):693-702. doi: 10.1001/jamaneurol.2024.1450.
9. Jokela M#, Kytövuori L#, Sipilä J#. CANVAS ja RFC1-tautikirjo. **Duodecim**. 2024;140(17):1427-34 [review] (#=equal contribution)
10. Willman J, Ruuskanen JO, Hassan M, Mustonen JM, Leppänen J, Lähteenoja M, Sipilä J. The varied clinical and radiological manifestations of contrast-induced encephalopathy following coronary angiography. **Int J Neurosci**. 2024 Apr 10:1-9. doi: 10.1080/00207454.2024.2341962. Online ahead of print.
11. Sipilä JOT. Adult-onset encephalitis over twelve years in easternmost Finland. **Neuroepidemiology**. 2024; 58 (4): 276–283. doi.org/10.1159/000538020
12. Sipilä J, Heikkinen M, Pääkkönen J, Balk L, Mehdiyeva A, Hassan M, Willman J, Kettunen A, Saukkonen AM, Toivanen J. Pohjoiskarjalainen aivoinfarktipotilas 2020-luvulla. **Duodecim**. 2024;140(10):835-42
13. Pääkkönen J, Vänni V, Sipilä JOT. Luusementti-implantaatio-oireyhtymä lonkkamurtumaleikkauksen yhteydessä – vaikeudeltaan vaihteleva yleinen komplikaatio. **Duodecim**. 2024;140(9):788-91 [case report]
14. Kivioja T, Posti JP, Sipilä J, Rauhala M, Frantzén J, Gardberg M, Rahi M, Rautajoki K, Nykter M, Vuorinen V, Nordfors K, Haapasalo H, Haapasalo J. Motor dysfunction as a primary symptom

- predicts poor outcome: multicenter study of glioma symptoms. **Front Oncol.** 2024;13:1305725. doi: 10.3389/fonc.2023.1305725
15. Sipilä JOT, Kaasinen V, Rautava P, Kytö V. Case-fatality rate in Parkinson's Disease: A nationwide registry study. **Mov Disord Clin Pract.** 2024;11(2):152-158. doi.org/10.1002/mdc3.13948
 16. Ripatti L, Kauko T, Kytö V, Rautava P, Sipilä J, Lastikka M, Helenius I. The incidence and management of slipped capital femoral epiphysis: a population-based study. **Acta Orthop Belg.** 2023; Dec;89(4):634-638. doi: 10.52628/89.4.9832
 17. Sipilä JOT, Viitala M, Hänninen A, Soilu-Hänninen M. Exposure to systemic antibiotics in outpatient care and the risk of Multiple Sclerosis. **Mult Scler.** 2023 Sep;29(10):1296-1303. doi: 10.1177/13524585231185045.
 18. Sipilä JOT. Adult-onset neuroepidemiology in Finland: lessons to learn and work to do. **J Clin Med.** 2023 June 11, 12(12), 3972; doi: 10.3390/jcm12123972
 19. * Fischer U, Koga M, Strbian D,... ELAN Investigators. Early versus Later Anticoagulation for Stroke with Atrial Fibrillation. **N Engl J Med.** 2023 Jun 29;388(26):2411-2421. doi: 10.1056/NEJMoa2303048.
 20. Hanhisuanto M, Solje E, Jokela M, Sipilä JOT. Amyotrophic lateral sclerosis (ALS) in southwestern and eastern Finland. **Neuroepidemiology.** 2023;57(4):238-245. doi: 10.1159/000531238.
 21. Sipilä JOT, Majamaa K. Stable low prevalence of Huntington's disease in Finland. **Clin Park Relat Disord.** 2023; 8: 100198. doi.org/10.1016/j.prdoa.2023.100198
 22. Tamborska AA, Wood GK, Westenberg E,..., Global NeuroResearch Coalition. Global uncertainty in the diagnosis of neurological complications of SARS-CoV-2 infection by both neurologists and non-neurologists: An international inter-observer variability study. **J Neurol Sci.** 2023. Jun 15;449:120646. doi.org/10.1016/j.jns.2023.120646
 23. Sipilä JOT, Kytövuori L, Rauramaa T, Rauhamaa H, Kaasinen V, Majamaa K. A severe neurodegenerative disease with Lewy bodies and a mutation in the glucocerebrosidase gene. **npj Park Dis.** 2023 Apr 5;9(1):53. doi: 10.1038/s41531-023-00501-4.

24. Sipilä JOT, Kytövuori L, Kaasinen V. Clinical spectrum and genotype-phenotype associations in Finnish patients with Wilson's disease. *J Neurol Sci*. 2023 May 15;448:120620. doi: 10.1016/j.jns.2023.120620.
25. Ylikotila P, Sipilä J, Alapirtti T, Ahmasalo R, Koshimizu E, Miyatake S, Hurme-Niiranen A, Siitonen A, Doi H, Tanaka F, Matsumoto N, Majamaa K, Kytövuori L. Association of biallelic RFC1 expansion with early-onset Parkinson's disease. *Eur J Neurol*. 2023 May;30(5):1256-1261. doi: 10.1111/ene.15717.
26. * Roaldsen MB, Eltoft A, Wilsgaard T, Christensen H, Engelter ST, Indredavik B, Jatužis D, Karelis G, Kõrv J, Lundström E, Petersson J, Putaala J, Søyland MH, Tveiten A, Bivard A, Johnsen SH, Mazya MV, Werring DJ, Wu TY, De Marchis GM, Robinson TG, Mathiesen EB; TWIST Investigators. Safety and efficacy of tenecteplase in patients with wake-up stroke assessed by non-contrast CT (TWIST): a multicentre, open-label, randomised controlled trial. *Lancet Neurol*. 2023; 22(2): 117-126. doi: 10.1016/S1474-4422(22)00484-7.
27. Sipilä JOT. Treatment Courses of Patients Newly Diagnosed with Multiple Sclerosis in 2012–2018. *J Clin Med*. 2023 12(2), 595; <https://doi.org/10.3390/jcm12020595>
28. Jaakkola S, Paana T, Airaksinen J, Sipilä J, Kytö V. Association of CHA2DS2-VASc score with long-term incidence of new onset atrial fibrillation and ischemic stroke after myocardial infarction. *J Clin Med*. 2022 11(23), 7090; <https://doi.org/10.3390/jcm11237090>
29. Huuskonen ML, Koistinen T, Sihvola N, Parkkari I, Palovaara S, Kytö V, Sipilä J, Jyrkkio S, Heervä E. Controlled register-based study of road traffic accidents in 12651 Finnish cancer patients during 2013-2019. *Cancer Med*. 2023 Mar;12(6):7406-7413. doi: 10.1002/cam4.5444.
30. Sipilä JOT, Jokela M. Adult motor neuron disease death rates in Finland 1998-2019. *J Neurol*. 2023 Feb;270(2):1147-1149. doi: 10.1007/s00415-022-11379-2.
31. Sipilä JOT, Kälviäinen R. Comorbidities in patients with Unverricht–Lundborg disease (EPM1). *Acta Neurol Scand*. 2022; 146(5): 690-693 . doi: 10.1111/ane.13706.

32. Posti JPP, Ruuskanen JO, Sipilä JOT, Luoto TM, Rautava P, Kytö V. Impact of Oral Anticoagulation and Adenosine Diphosphate Inhibitor Therapies on Short-Term Outcome of Traumatic Brain Injury. *Neurology*. 2022 99(11):e1122-e1130. doi: 10.1212/WNL.0000000000200834.
33. Posti JPP, Luoto T, Sipilä JOT, Rautava P, Kytö V. Prognosis of Patients with Operated Chronic Subdural Hematoma. *Sci Rep*. 2022;12(1):7020. doi: 10.1038/s41598-022-10992-5.
34. Sipilä JOT, Ruuskanen JO, Heervä E, Posti JPP, Rautava P, Kytö V. Cancer Occurrence After a Cerebral Venous Thrombosis: a Nationwide Registry Study. *Stroke*. 2022;53(5):e189-e191. doi: 10.1161/STROKEAHA.122.038685.
35. Sipilä JOT, Kaasinen V. Parkinsonin taudin epidemiologia ja genetiikka Suomessa. *Duodecim* 2022;138(16):1377-1384 [review]
36. Rauma I, Viitala M, Kuusisto H, Atula S, Sipilä JOT, Ryytty M, Soilu-Hänninen M, Järvinen E. Finnish multiple sclerosis patients treated with cladribine tablets: a nationwide registry study. *Mult Scler Relat Disord*. 2022 May;61:103755. doi: 10.1016/j.msard.2022.103755.
37. Posti JP, Luoto TM, Sipilä JOT, Rautava P, Kytö V. Changing epidemiology of traumatic brain injury among the working-aged in Finland: Admissions and neurosurgical operations. *Acta Neurol Scand*. 2022 Jul;146(1):34-41. doi: 10.1111/ane.13607.
38. Mehdiyeva A, Hietaharju A, Sipilä J. SEZ6L2-antibody-associated cerebellar ataxia responsive to sequential immunotherapy. *Neurology: Neuroimmunology & Neuroinflammation*. 2022 Jan 14;9(2):e1131. doi: 10.1212/NXI.0000000000001131.
39. Kytövuori L, Sipilä J, Doi H, Hurme-Niiranen A, Siitonen A, Koshimizu E, Miyatake S, Matsumoto N, Tanaka F, Majamaa K. Biallelic expansion in RFC1 as a rare cause of Parkinson's disease. *npj Park Dis*. 2022 Jan 10;8(1):6. doi: 10.1038/s41531-021-00275-7.
40. Sipilä JOT. Anterior circulation large vessel occlusion outcomes in patients transferred from a peripheral Primary Stroke Centre. *Neurol Res*. 2022. Jun;44(6):554-559. doi: 10.1080/01616412.2021.2024727.

41. Sipilä JOT, Pirttisalo AL, Sumelahti ML, Soilu-Hänninen M. Miksi MS-tauti yleistyy? Suomalaisia näkökulmia maailmanlaajuiseen kysymykseen. **Duodecim**. 2022;138(4):315-322 [review]
42. Sipilä JOT, Kälviäinen R. Adult-Onset Epilepsy Incidence in Finland over 34 Years: a nationwide registry-study. **Eur J Neurol**. 2022;29(2):605-608. doi: 10.1111/ene.15141.
43. Sipilä JOT, Hietala M, Kaasinen V. Wilsonin tauti – uutta ja vanhaa. **Duodecim** 2021;137(17):1767-73. [review]
44. Malmberg M, Palomäki A, Sipilä JOT, Rautava P, Gunn J, Kytö V. Long-term outcomes after coronary artery bypass surgery in patients with rheumatoid arthritis. **Ann Med**. 2021;53(1):1512-1519.
45. Ahtela E, Oksi J, Vahlberg T, Sipilä J, Rautava P, Kytö V. Short- and long-term outcomes of infective endocarditis admission in adults: A population-based registry study in Finland. **PLoS One**. 2021;16(7):e0254553. doi: 10.1371/journal.pone.0254553.
46. Kaasinen V, Scheperjans F, Kärppä M, Korpela J, Brück A, Sipilä JOT, Joutsa J, Järvelä J, Eerola-Rautio J, Martikainen MH, Airaksinen K, Stebbins GT, Martinez-Martini P, Goetz CG, Linj J, Luok S, Pekkonen E. Validation of the Finnish Version of the Unified Dyskinesia Rating Scale. **Eur Neurol**. 2021;84(6):444-449. doi: 10.1159/000517369.
47. Rauma I, Mustonen T, Seppä JM, Ukkonen M, Männikkö M, Verkkoniemi-Ahola A, Kartau M, Saarinen JT, Luostarinen L, Simula S, Ryytty M, Ahmasalo R, Sipilä JOT, Pieninkeroinen I, Tapiola T, Remes AM, Kuusisto H. Safety of alemtuzumab in a nationwide cohort of Finnish multiple sclerosis patients, **J Neurol**. 2022 Feb;269(2):824-835. doi: 10.1007/s00415-021-10664-w.
48. Sipilä JOT, Ruuskanen JO, Posti JP, Rautava P, Kytö V. Extension of public smoking ban was not associated with any immediate effect on stroke occurrence in Finland. **J Clin Med**. 2021, 10(10), 2060; <https://doi.org/10.3390/jcm10102060>
49. Malmberg M, Palomäki A, Sipilä JOT, Rautava P, Gunn J, Kytö V. Long-Term Outcomes of Surgical Aortic Valve Replacement in Patients with Rheumatoid Arthritis. **J Clin Med**. 2021;10(11):2492. doi: 10.3390/jcm10112492.

50. Posti JPP, Kytö V, Sipilä J, Rautava P, Luoto TM. High-risk Periods for Adult Traumatic Brain Injuries – a Nationwide Population-based Study. **Neuroepidemiology**. 2021;55(3):216-223. doi.org/10.1159/000515395.
51. Sipilä JOT, Ruuskanen JO, Rautava P, Kytö V. Case-fatality of Hospital-treated Intracerebral Hemorrhage in Finland - a Nationwide Population-based Registry Study. **J Neurol Sci**. 2021;425:117446. doi: 10.1016/j.jns.2021.117446.
52. Lautamäki A, Gunn J, Sipilä J, Rautava P, Sihvo E, Kytö V. Women have a higher resection rate for lung cancer and improved survival after surgery. **Interact Cardiovasc Thorac Surg**. 2021 May 27;32(6):889-895. doi: 10.1093/icvts/ivab006.
53. Kytö V, Sipilä J, Tornio A, Rautava P, Gunn J. Sex-based outcomes after coronary artery bypass grafting. **Ann Thorac Surg**. 2021 Dec;112(6):1974-1981. doi: 10.1016/j.athoracsur.2021.01.014.
54. Malmberg M, Ahtela E, Sipilä JOT, Gunn J, Rautava P, Kytö V. Surgical aortic valve replacement and infective endocarditis. **Eur J Clin Invest**. 2021 Jun;51(6):e13476. doi: 10.1111/eci.13476.
55. Ruuskanen JO, Kytö V, Posti JP, Rautava P, Sipilä JOT. Cerebral Venous Thrombosis: Finnish Nationwide Trends. **Stroke**. 2021 Jan;52(1):335-338. doi: 10.1161/STROKEAHA.120.031026.
56. Ripatti L, Viljamaa HR, Kauko T, Kytö V, Rautava P, Sipilä J, Pakkasjärvi N. Trends in the surgical management of vesicoureteral reflux in Finland in 2004-2014. **Scand J Urol**. 2021;55(1):67-71. doi: 10.1080/21681805.2020.1849387.
57. Sipilä JOT, Hyppönen J, Kytö V, Kälviäinen R. Unverricht–Lundborg disease (EPM1) in Finland: A nationwide population-based study. **Neurology**. 2020;95(23):e3117-e3123. doi: 10.1212/WNL.0000000000010911.
58. Sipilä JOT, Kaasinen V. No Change in the Age-Adjusted Incidence of Parkinson's Disease in Finland for More Than 25 Years. **Mov Disord**. 2020;35(11):2116-2118. doi: 10.1002/mds.28250.
59. Malmberg M, Sipilä J, Rautava P, Gunn J, Kytö V. Outcomes After ST-segment Versus Non-ST-segment Elevation Myocardial Infarction Revascularized By Coronary Artery Bypass Grafting. **Am J Cardiol**. 2020;135:17-23. doi: 10.1016/j.amjcard.2020.08.042.

60. Malmberg M, Gunn J, Rautava P, [Sipilä JOT](#), Kytö V. Outcome of acute myocardial infarction versus stable coronary artery disease patients treated with coronary bypass surgery. *Ann Med*. 2021;53(1):70-77. doi: 10.1080/07853890.2020.1818118.
61. Heuser VD, Kiviniemi A, Lehtinen L, Munthe S, Kristensen BW, Posti JP, [Sipilä JOT](#), Vuorinen V, Carpén O, Gardberg M. Multiple formin proteins participate in glioblastoma migration. *BMC Cancer*. 2020; 20: 710. doi: 10.1186/s12885-020-07211-7.
62. Pirttisalo AL, [Sipilä JOT](#), Viitala M, Soilu-Hänninen M. Trends and characteristics of infection-related hospital admissions in multiple sclerosis patients in Southwest Finland in 2009-2018. *Mult Scler Relat Disord*. 2020;44:102328. doi: 10.1016/j.msard.2020.102328.
63. [Sipilä JOT](#), Hietala M, Kytö V, Kaasinen V. Wilson's Disease in Finland: A Nationwide Population-Based Study. *Mov Disord*. 2020 Dec;35(12):2323-2327. doi: 10.1002/mds.28207.
64. Pirttisalo AL, Soilu-Hänninen M, Sumelahti ML, Krökki O, Murtonen A, Hänninen K, [Sipilä JOT](#). Changes in multiple sclerosis epidemiology in Finland over five decades. *Acta Neurol Scand*. 2020; 142: 200-209. doi: 10.1111/ane.13295.
65. Kuusimäki T, Kurki S, [Sipilä JOT](#), Salminen-Mankonen H, Carpén O, Kaasinen V. Sex-dependent improvement in survival of Parkinson's disease patients. *Mov Disord Clin Pract*. 2020; 7: 516-520. doi: 10.1002/mdc3.12954.
66. Kytö V, [Sipilä J](#), Rautava P, Gunn J. Sex Differences in Outcomes Following Acute Coronary Syndrome Treated With Coronary Artery Bypass Surgery. *Heart Lung Circ*. 2021;30(1):100-107. doi: 10.1016/j.hlc.2020.02.009.
67. [Sipilä JOT](#). Intravenous thrombolysis in a peripheral primary stroke center without advanced imaging, a retrospective 2016-2017 cohort study. *Int J Neurosci*. 2021;131(7):696-700. doi: 10.1080/00207454.2020.1751626.
68. Posti JP, [Sipilä JOT](#), Luoto TM, Rautava P, Kytö V. A decade of geriatric traumatic brain injuries in Finland: population-based trends. *Age Ageing*. 2020; 49: 779-785. doi: 10.1093/ageing/afaa037.

69. Sipilä JOT, Ruuskanen JO, Rautava P, Kytö V. Adult Migraine Hospital Admission Trends in Finland: A Nationwide Registry Study. **J Clin Med**. 2020; 9 (2).
70. Malmberg M, Gunn J, Sipilä J, Pikkarainen E, Rautava P, Kytö V. Comparison of Long-Term Outcomes of Patients Having Surgical Aortic Valve Replacement With Versus Without Simultaneous Coronary Artery Bypass Grafting. **Am J Cardiol**. 2020; 125: 964-969. doi: 10.1016/j.amjcard.2019.12.015.
71. Kartau M, Sipilä JO, Auvinen E, Palomäki M, Verkkoniemi-Ahola A. Progressive Multifocal Leukoencephalopathy: Current Insights. **Degener Neurol Neuromuscul Dis**. 2019; 9: 109-121.
72. Kytö V, Sipilä J, Ahtela E, Rautava P, Gunn J. Mechanical Versus Biologic Prostheses for Surgical Aortic Valve Replacement in Patients Aged 50 to 70. **Ann Thorac Surg**. 2019; 110: 102-110. doi: 10.1016/j.athoracsur.2019.10.027.
73. Ahtela E, Oksi J, Sipilä J, Rautava P, Kytö V. Occurrence of fatal infective endocarditis: a population-based study in Finland. **BMC Infect Dis**. 2019; 19: 987.
74. Myllykangas ME, Aittokallio J, Gunn J, Sipilä J, Rautava P, Kytö V. Sex Differences in Long-Term Outcomes After Surgical Aortic Valve Replacement: A Nationwide Propensity-Matched Study. **J Cardiothor Vas Anesth**. 2020; 34: 932-939.
75. Pikkarainen E, Blomster J, Sipilä J, Rautava P, Kytö V. Occurrence and mortality of vasospastic angina pectoris hospitalised patients in Finland: a population-based registry cohort study. **BMJ Open**. 2019; 9: e030768.
76. Sipilä JOT, Soilu-Hänninen M, Rautava P, Kytö V. Hospital admission and prevalence trends of adult myasthenia gravis in Finland in 2004-2014: A retrospective national registry study. **J Neurol Sci**. 2019; 407: 116520. doi: 10.1016/j.jns.2019.116520.
77. Sipilä JOT. Parkinsonism with a Hint of Huntington's from 29 CAG Repeats in HTT. **Brain Sci**. 2019; 9: 245. doi: 10.3390/brainsci9100245

78. Helminen O, Sihvo E, Gunn J, Sipilä JOT, Rautava P, Kytö V. Trends and results of oesophageal cancer surgery in Finland between 2004 and 2014. *Eur J Cardiothorac Surg*. 2019. pii: ezz189. doi: 10.1093/ejcts/ezz189.
79. Valo JK, Kytö V, Sipilä J, Rautava P, Sihvo E, Gunn J. Thoracoscopic surgery for lung cancer is associated with improved survival and shortened admission length: a nationwide propensity-matched study. *Eur J Cardiothorac Surg*. 2019. pii: ezz194. doi: 10.1093/ejcts/ezz194.
80. Kytö V, Ahtela E, Sipilä J, Rautava P, Gunn J. Mechanical versus biological valve prosthesis for surgical aortic valve replacement in patients with infective endocarditis. *Interact Cardiovasc Thorac Surg*. 2019; 29: 386-392. doi: 10.1093/icvts/ivz122.
81. Ylönen S, Sipilä JOT, Hietala M, Majamaa K. HTT haplogroups in Finnish patients with Huntington disease. *Neurol Genet*. 2019; 5: e334. doi: 10.1212/NXG.0000000000000334.
82. Kytö V, Myllykangas ME, Sipilä J, Niiranen TJ, Rautava P, Gunn J. Long-term outcomes with mechanical versus biological aortic valve prosthesis in patients >70 years. *Ann Thorac Surg*. 2019 pii: S0003-4975(19)30682-4. doi: 10.1016/j.athoracsur.2019.04.012.
83. Posti JP, Sankinen M, Sipilä JOT, Ruuskanen JO, Rinne J, Rautava P, Kytö V. Fatal traumatic brain injuries during 13 years of successive alcohol tax increases in Finland - a nationwide population-based registry study. *Sci Rep*. 2019; 9: 5419. doi: 10.1038/s41598-019-41913-8.
84. Sipilä JOT, Kaasinen V, Hietala M, Päivärinta M, Majamaa K. Huntingtonin tauti. *Duodecim* 2019; 135: 249-256.
85. Sipilä JOT, Soilu-Hänninen M, Rautava P, Kytö V. Progressive multifocal leukoencephalopathy in Finland: a cross-sectional registry study. *J Neurol*. 2019; 266: 515-521. doi: 10.1007/s00415-018-09167-y.
86. Sihvo E, Helminen O, Gunn J, Sipilä JOT, Rautava P, Kytö V. Long-term outcomes following minimally invasive and open esophagectomy in Finland: A population-based study. *Eur J Surg Oncol*. 2019; 45: 1099-1104. doi: 10.1016/j.ejso.2018.12.001.

87. Pirttisalo AL, Soilu-Hänninen M, Sipilä JOT. Multiple sclerosis epidemiology in Finland: regional differences and high incidence. *Acta Neurol Scand*. 2019; 139: 353-359. doi: 10.1111/ane.13057.
88. Sipilä JOT, Rissanen E, Korpela J, Päivärinta M. Steroid-responsive encephalopathy with a peculiar CSF biomarker profile in an 89-year-old man. *Oxford Med Case Rep*. 2018; (10): omy073. doi: 10.1093/omcr/omy073.
89. Posti JP, Sipilä J. Aikuispotilaan aivokasvaimen toteaminen päivystyksessä. *Lääkärilehti*. 2018; 73: 1944–1947.
90. Sipilä JOT, Kaasinen V, Majamaa K. Aikuisiällä alkaneen Huntingtonin taudin lääkehoito Suomessa. *Lääkärilehti*. 2018; 73: 1669–1674.
91. Sipilä JOT, Posti JP, Ruuskanen JO, Rautava P, Kytö V. Stroke hospitalization trends of the working-aged in Finland. *PLoS One*. 2018; 13: e0201633. doi: 10.1371/journal.pone.0201633.
92. Ruuskanen JO, Sipilä JOT, Rautava P, Kytö V. No association of moon phase with stroke occurrence. *Chronobiol Int*. 2018; 35: 1168-1174. doi: 10.1080/07420528.2018.1465071.
93. Pirttisalo AL, Sipilä JOT, Soilu-Hänninen M, Rautava P, Kytö V. Adult hospital admissions associated with multiple sclerosis in Finland in 2004-2014. *Ann Med*. 2018; 50: 354-360. doi: 10.1080/07853890.2018.1461919.
94. Rautava L, Rautava P, Sipilä J, Kytö V. Occurrence and Treatment of Pediatric Appendicitis in Finland 2004-2014. *J Surg Res*. 2018; 232:33-38. doi: 10.1016/j.jss.2018.06.010.
95. Gunn J, Valo J, Sipilä J, Rautava P, Sihvo E, Kytö V. Trends and results of lung cancer surgery in Finland between 2004 and 2014. *Eur J Cardiothorac Surg*. 2018; 54: 127-133. doi: 10.1093/ejcts/ezx486.
96. Sipilä JOT, Soilu-Hänninen M, Ruuskanen JO, Rautava P, Kytö V. Epidemiology of Guillain-Barré syndrome in Finland 2004-2014. *J Periph Nerv Syst*. 2017; 22(4): 440-445. DOI: 10.1111/jns.12239

97. Arola A, Pikkarainen E, [Sipilä JOT](#), Pykäri J, Rautava P, Kytö V. Occurrence and features of childhood myocarditis: A nationwide study in Finland. *J Am Heart Assoc*. 2017 Nov 18;6(11). pii: e005306. doi: 10.1161/JAHA.116.005306.
98. [Sipilä JOT](#), Kauko T, Päivärinta M, Majamaa K. Comparison of mid-age onset and late-onset Huntington's disease in Finnish patients. *J Neurol*. 2017 264(10): 2095–2100. DOI: 10.1007/s00415-017-8600-2
99. Kiviniemi A, Gardberg M, Kivinen K, Posti JP, Vuorinen V, [Sipilä J](#), Rahi M, Sankinen M, Minn H. Somatostatin receptor 2A in gliomas: Association with oligodendrogliomas and favourable outcome. *Oncotarget*. 2017;8(30):49123-49132. doi: 10.18632/oncotarget.17097.
100. [Sipilä JOT](#), Ruuskanen JO, Kauko T, Rautava P, Kytö V. Seasonality of Stroke in Finland. *Ann Med*. 2017 Jun;49(4):310-318. doi: 10.1080/07853890.2016.1254350.
101. [Sipilä JOT](#), Ruuskanen JO, Rautava P, Kytö V. Changes in ischemic stroke occurrence following Daylight saving time transitions. *Sleep Med*. Nov - Dec;27-28:20-24. doi: 10.1016/j.sleep.2016.10.009.
102. [Sipilä JOT](#), Ruuskanen JO, Rautava P, Kytö V. Effect of the summer holiday season on ischaemic stroke care in Finland. *J Neurol Sci*. 2016; 367: 363-364.
103. [Sipilä JOT](#), Posti JP, Majamaa K. Chronic subdural hematomas in Finnish patients with Huntington's disease. *Acta Neurochir*. 2016 Aug;158(8):1487-90.
104. [Sipilä JOT](#), Kauko T, Soilu-Hänninen M. Admission sodium level and prognosis in adult Guillain-Barré syndrome. *Int J Neurosci*. 2017 Apr;127(4):344-349. doi: 10.3109/00207454.2016.1163551.
105. [Sipilä JOT](#), Soilu-Hänninen M, Majamaa K. Comorbid epilepsy in Finnish patients with adult-onset Huntington's disease. *BMC Neurol*. 2016 Feb 10;16(1):24. doi: 10.1186/s12883-016-0545-z.
106. [Sipilä JOT](#), Gunn JM, Kauko T, Rautava P, Kytö V. Association of restaurant smoking ban and the incidence of acute myocardial infarction in Finland. *BMJ Open*. 2016;6:e009320. doi:10.1136/bmjopen-2015-009320

107. Sipilä JOT, Rautava P, Kytö V. Association of daylight saving time transitions with incidence and in-hospital mortality of myocardial infarction in Finland. **Ann Med**. 2016;48(1-2):10-6. doi: 10.3109/07853890.2015.1119302.
108. Lehto J, Kiviniemi TO, Gunn J, Mustonen P, Airaksinen J, Biancari F, Rautava P, Sipilä J, Kytö V. Occurrence of postpericardiotomy syndrome admissions: A population-based registry study. **Ann Med**. 2016;48(1-2):28-33. doi: 10.3109/07853890.2015.1122223.
109. Kytö V, Sipilä J, Rautava P. Gender and age specific differences in unstable angina pectoris admissions: a population-based registry study in Finland. **BMJ Open**. 2015 Oct 15;5(10):e009025. doi: 10.1136/bmjopen-2015-009025.
110. Sipilä JOT, Majamaa K. Epidemiology of stroke in Finnish patients with Huntington's disease. **Acta Neurol Scand**. 2016;134: 61–66. DOI: 10.1111/ane.12512
111. Posti JP, Sipilä JOT. Aivokasvainten ensioireet aikuisilla. **Lääkärilehti**. 2015;70: 2401-4.
112. Kytö V, Sipilä J, Rautava P. Acute myocardial infarction or acute myocarditis? Discharge registry-based study of likelihood and associated features in hospitalised patients. **BMJ Open** 2015;5:e007555 doi:10.1136/bmjopen-2014-007555
113. Kytö V, Sipilä J, Rautava P. Gender and In-hospital Mortality of ST-Segment Elevation Myocardial Infarction (from a Multihospital Nationwide Registry Study of 31,689 Patients). **Am J Cardiol** 2015;115:303-306. doi: 10.1016/j.amjcard.2014.11.001.
114. Kytö V, Sipilä J, Rautava P. Rate and patient features associated with recurrence of acute myocarditis. **Eur J Intern Med**. 2014;25:946-50. doi: 10.1016/j.ejim.2014.11.001.
115. Sipilä JOT, Hietala M, Siitonen A, Päivärinta M, Majamaa K. Epidemiology of Huntington's disease in Finland. **Parkinsonism Relat Disord**. 2015;21:46-49 doi: 10.1016/j.parkreldis.2014.10.025
116. Posti JP, Bori M, Kauko T, Sankinen M, Nordberg J, Rahi M, Frantzén J, Vuorinen V, Sipilä JOT. Presenting symptoms of glioma in adults. **Acta Neurol Scand** 2015;131:88-93. DOI: 10.1111/ane.12285

117. Kytö V, Sipilä J, Rautava P. Likelihood and Predictors of ST-elevation in Patients Hospitalized for Myocardial Infarction. *PLOS ONE* 2014. Sep 25;9(9):e108440. doi: 10.1371/journal.pone.0108440. eCollection 2014.
118. Kytö V, Sipilä J, Rautava P. Clinical Profile and Influences on Outcomes in Patients Hospitalized for Acute Pericarditis. *Circulation* 2014;130:1601-6. doi: 10.1161/CIRCULATIONAHA.114.010376
119. Sipilä JOT, Soilu-Hänninen M. The incidence and triggers of adult-onset Guillain-Barré syndrome (GBS) in Southwestern Finland 2004-2013. *Eur J Neurol* 2015;22:292-298. doi: 10.1111/ene.12565
120. Kytö V, Sipilä J, Rautava P. Gender, age and risk for ST-elevation myocardial infarction. *Eur J Clin Invest*. 2014;44:902-909 DOI: 10.1111/eci.12321
121. Kytö V, Sipilä J, Rautava P. Association of age and gender with anterior location of STEMI. *Int J Cardiol*. 2014;176:1161-1162 doi: 10.1016/j.ijcard.2014.07.254
122. Kytö V, Sipilä J, Rautava P. Chronic constrictive pericarditis in general adult population. *Int J Cardiol*. 2014;176:1158-1160 doi: 10.1016/j.ijcard.2014.07.257.
123. Kytö V, Sipilä J, Rautava P. Association of age and gender with risk for non-ST-elevation myocardial infarction. *Eur J Prev Cardiol*. 2015;22:1003-1008.
124. Sipilä J, Kauko T, Kytö V, Stormi T, Rautava P. The quality of internal medicine hospital care during summer holiday season. *J Eval Clin Pract*. 2014;20:327-332 doi: 10.1111/jep.12130
125. Kytö V, Sipilä J, Rautava P. The effect of gender and age on occurrence of clinically suspected myocarditis in adulthood. *Heart* 2013;99:1681-1684

B Non-refereed scientific articles

1. Sipilä JOT. Should we rethink neurodegeneration? *Explor Neurosci*. 2022;1:75–82 DOI: <https://doi.org/10.37349/en.2022.00006>

2. Sipilä JOT. A letter to the editor concerning “Geochemistry of multiple sclerosis in Finland”. *Sci Tot Environ*. in press. Available online 21 October 2022
3. Sipilä JOT. Regarding: High Correlations Among Worldwide Prevalences of Dementias, Parkinson’s Disease, Multiple Sclerosis, and Motor Neuron Diseases Indicate Common Causative Factors. *Neuroscience Insights*. 2022;17. doi:10.1177/26331055221129634 First published online October 26
4. Sipilä JOT. Age Is Only a Number Also in Hyperacute Stroke Care—But Not an Irrelevant One. *J Clin Med*. 2022, 11(16), 4737 doi: 10.3390/jcm11164737
5. Sipilä JOT, Kälviäinen R. Unverricht-Lundborgin taudin epidemiologia Suomessa. Esimerkki perinnöllisen harvinaissairauden tutkimisen epävarmuudesta. *Duodecim* 2021;137(11):1125-1126.
6. Sipilä JOT. Nordic clues for uncovering the aetiology of Multiple Sclerosis. *Mult Scler Relat Disord*. 2021;50:102804. doi: 10.1016/j.msard.2021.102804.
7. Sipilä JOT, Päiväranta M. Why We Still Need More Research on the Epidemiology of Huntington’s Disease. *Neuroepidemiology* 2016;46:154-155.
8. Sipilä J. Vanha nainen väsyneenä. *Duodecim* 2012;128(7):765-767
9. Reinikainen M, Syväoja S, Kekäläinen P, Sipilä J, Nurminen J. Vaikea laktaattiasidoosi. *Duodecim* 2008; 124(21): 2487-2488.

D Publications intended for professional communities

1. Sipilä J. Rekisteritutkijan karu arki. *Lääkärilehti* in press [Viewpoint article in the national medical periodical about the current challenges concerning registry studies in Finland]
2. Posti JP, Sipilä JOT, Luoto T. Tapaturmaisten aivovammojen epidemiologia muutoksessa: katse vanhempiin ikäluokkiin. *Lääkärilehti* 2020; 75: 1204-1205. [Viewpoint article in the national medical periodical about the changing epidemiology of traumatic brain injuries in Finland]
3. Sipilä J, Brück A, Salomäki S, Aaltonen L, Hatakka J. Akuuttilääketieteen erikoisalan linjauksista. *Duodecim* 2013; 129(22):2401 [a letter concerning the relations between the new specialty of emergency medicine and other specialties in Finland]

4. Parmanne P, Heikkilä T, Meretoja O, Backman T, Ikonen T, Sipilä J, Rellman J, Tertsunen A, Halila H. Useille erikoisaloille tarvitaan lisää lääkäreitä. **Lääkärilehti** 2013; 68(12): 936-937. [an article reviewing the results of regional assessments of the need for specialist training in medicine in Finland]
5. Backman T, Ikonen T, Sipilä J. Erikoisalakohmainen lääkäritilanne ja koulutuksen tarve vuoteen 2025 Varsinais-Suomen, Satakunnan ja Vaasan sairaanhoitopiireissä. Varsinais-Suomen sairaanhoitopiiri 2012. <http://www.vsshp.fi/fi/4634/57829/> [Assessment of the need for specialist training in medicine until 2025 in the hospital districts of Southwestern Finland, Satakunta and Vaasa]

E Publications intended for the general public, linked to the applicant's research

1. Mortality in Parkinson's disease: findings from a nationwide study from Finland. An interview in the **MDS Podcast**. February 12, 2024.
2. Sipilä, Jussi. Wilsonin tauti. **Hermolla**. (a short review of Wilson's disease in the national patient association journal) in press
3. An interview in a newspaper article (regional newspaper **Karjalainen**) about the hyperacute care and regional treatment logistics of stroke. January 14, 2022.
4. Sipilä, Jussi. Katsaus Huntingtonin tautiin. **Hermolla** 2020. (a short review of Huntington's disease in the national patient association journal) <https://www.parkinson.fi/ajankohtaista/katsaus-huntingtonin-tautiin>
5. An interview in a newspaper article (regional newspaper **Karjalainen**) about the diagnosis, treatment and epidemiology of MS disease in Finland. April 11, 2020.
6. Sipilä, Jussi. Paasikivi arvosteli ja hyödynsi eduskuntaa. **Kanava** 2015 : 5, 55-57. (an article in a national periodical based on the bachelor's thesis "Kansanvaltakriittinen" about president Paasikivi's relation with and attitude toward the parliament)
7. An interview in a newspaper article (national medical newspaper **Mediuutiset**) about supplemental medical education arranged by pharma companies. April 17, 2009.

G Theses

1. Sipilä, Jussi O. Huntington's disease in Finland. Epidemiologic, genetic and clinical studies. *Annales Universitatis Turkuensis* D 1273. University of Turku. April 21, 2017.
(<http://urn.fi/URN:ISBN:978-951-29-6741-4>) Doctoral thesis (neurology), supervisors: prof. Kari Majamaa and docent Marja Hietala.
2. Sipilä, Jussi. Kansanvaltakriittinen. J.K. Paasikiven arvio eduskunnasta. University of Turku. Spring 2014. [An assessment of how president Paasikivi viewed the role of the parliament in Finland]
(<https://research.utu.fi/converis/getfile?id=5554132&portal=true>) Bachelor's thesis (contemporary history), supervisor: docent Vesa Vares.