Allen, J. S., Damasio, H., Grabowski, T. J., Bruss, J., & Zhang, W. (2003). Sexual dimorphism and asymmetries in the gray–white composition of the human cerebrum. NeuroImage, 18(4), 880–894. <https://doi.org/10.1016/s1053-8119(03)00034-x>

Becker, E., & Karnath, H. O. (2010). Neuroimaging of eye position reveals spatial neglect. Brain, 133(3), 909–914. <https://doi.org/10.1093/brain/awq011>

Beschin, N., Cocchini, G., della Sala, S., & Logie, R. H. (1997). What the Eyes Perceive, The Brain Ignores: A Case of Pure Unilateral Representational Neglect. Cortex, 33(1), 3–26. <https://doi.org/10.1016/s0010-9452(97)80002-0>

Bisiach, E., & Luzzatti, C. (1978). Unilateral Neglect of Representational Space. Cortex, 14(1), 129–133. <https://doi.org/10.1016/s0010-9452(78)80016-1>

Boespflug, E. L., Storrs, J. M., Allendorfer, J. B., Lamy, M., Eliassen, J. C., & Page, S. (2011). Mean diffusivity as a potential diffusion tensor biomarker of motor rehabilitation after electrical stimulation incorporating task specific exercise in stroke: a pilot study. Brain Imaging and Behavior, 8(3), 359–369. <https://doi.org/10.1007/s11682-011-9144-1>

Bonkhoff, A. K., Schirmer, M. D., Bretzner, M., Hong, S., Regenhardt, R. W., Brudfors, M., Donahue, K. L., Nardin, M. J., Dalca, A. V., Giese, A. K., Etherton, M. R., Hancock, B. L., Mocking, S. J. T., McIntosh, E. C., Attia, J., Benavente, O. R., Bevan, S., Cole, J. W., Donatti, A., . . . Rost, N. S. (2021). Outcome after acute ischemic stroke is linked to sex-specific lesion patterns. Nature Communications, 12(1). <https://doi.org/10.1038/s41467-021-23492-3>

Bowen, A., McKenna, K., & Tallis, R. C. (1999). Reasons for Variability in the Reported Rate of Occurrence of Unilateral Spatial Neglect After Stroke. Stroke, 30(6), 1196–1202. <https://doi.org/10.1161/01.str.30.6.1196>

Broverman, I. K., Vogel, S. R., Broverman, D. M., Clarkson, F. E., & Rosenkrantz, P. S. (1972). Sex-Role Stereotypes: A Current Appraisal. Journal of Social Issues, 28(2), 59–78. <https://doi.org/10.1111/j.1540-4560.1972.tb00018.x>

Bushnell, C. D., Chaturvedi, S., Gage, K. R., Herson, P. S., Hurn, P. D., Jiménez, M. C., Kittner, S. J., Madsen, T. E., McCullough, L. D., McDermott, M., Reeves, M. J. & Rundek, T. (2018). Sex differences in stroke: Challenges and opportunities. Journal of Cerebral Blood Flow & Metabolism, 38(12), 2179–2191. <https://doi.org/10.1177/0271678x18793324>

Buxbaum, L., Ferraro, M., Veramonti, T., Farne, A., Whyte, J., Ladavas, E., Frassinetti, F., & Coslett, H. (2004). Hemispatial neglect: Subtypes, neuroanatomy, and disability. Neurology, 62(5), 749–756. <https://doi.org/10.1212/01.wnl.0000113730.73031.f4>

Catani, M. & Thiebaut De Schotten, M. (2008). A diffusion tensor imaging tractography atlas for virtual in vivo dissections. Cortex, 44(8), 1105–1132. <https://doi.org/10.1016/j.cortex.2008.05.004>

Chang, C.-C., & Lin, C.-J. (2011). LIBSVM: A library for support vector machines. ACM Transactions on Intelligent Systems and Technology, 2(3), 27:1-27:27. <https://doi.org/10.1145/1961189.1961199>

Clas, P., Groeschel, S. & Wilke, M. (2012). A Semi-Automatic Algorithm for Determining the Demyelination Load in Metachromatic Leukodystrophy. Academic Radiology, 19(1), 26–34. <https://doi.org/10.1016/j.acra.2011.09.008>

Corbetta, M. (2014). Hemispatial Neglect: Clinic, Pathogenesis, and Treatment. Seminars in Neurology, 34(05), 514–523. <https://doi.org/10.1055/s-0034-1396005>

Cornel, T. (2014). Matters of Sex and Gender in F. J. Gall’s Organology: A Primary Approach. Journal of the History of the Neurosciences, 23(4), 377–394. <https://doi.org/10.1080/0964704x.2014.885097>

de Haan, B., Clas, P., Juenger, H., Wilke, M., & Karnath, H. O. (2015). Fast semi-automated lesion demarcation in stroke. NeuroImage: Clinical, 9, 69–74. <https://doi.org/10.1016/j.nicl.2015.06.013>

de Haan, B., & Karnath, H. O. (2018). A hitchhiker’s guide to lesion-behaviour mapping. Neuropsychologia, 115, 5–16. <https://doi.org/10.1016/j.neuropsychologia.2017.10.021>

Collins, D. L., Neelin, P., Peters, T. M., & Peters, A. C. (1994). Automatic 3D intersubject registration of MR volumetric data in standardized Talairach space. Journal of Computer Assisted Tomography, 18(2), 192–205. <https://europepmc.org/article/med/8126267>

Fan, L., Li, H., Zhuo, J., Zhang, Y., Wang, J., Chen, L., Yang, Z., Chu, C., Xie, S., Laird, A. R., Fox, P. T., Eickhoff, S. B., Yu, C. & Jiang, T. (2016). The Human Brainnetome Atlas: A New Brain Atlas Based on Connectional Architecture. Cerebral Cortex, 26(8), 3508–3526. <https://doi.org/10.1093/cercor/bhw157>

Fee, E. (1979). Nineteenth-Century Craniology: The Study of the Female Skull. Bulletin of the History of Medicine, 53(3), 415–433. <http://www.jstor.org/stable/44450930>

Feigin, V. L., Forouzanfar, M. H., Krishnamurthi, R., Mensah, G. A., Connor, M., Bennett, D. A., Moran, A. E., Sacco, R. L., Anderson, L., Truelsen, T., O’Donnell, M., Venketasubramanian, N., Barker-Collo, S., Lawes, C. M. M., Wang, W., Shinohara, Y., Witt, E., Ezzati, M., Naghavi, M., & Murray, C. (2014). Global and regional burden of stroke during 1990–2010: findings from the Global Burden of Disease Study 2010. The Lancet, 383(9913), 245–255. <https://doi.org/10.1016/s0140-6736(13)61953-4>

Gauthier, L., Dehaut, F., & Joanette, Y. (1989). The Bells Test: A Quantitative and Qualitative Test for Visual Neglect. *International Journal of Clinical Neuropsychology*, *XI*(2), 49–54.

GBD 2019 Stroke Collaborators. (2021). Global, regional, and national burden of stroke and its risk factors, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet Neurology, 20(10), 795–820. <https://doi.org/10.1016/S1474-4422(21)00252-0>

Gibson, C. L. (2013). Cerebral Ischemic Stroke: is Gender Important? Journal of Cerebral Blood Flow & Metabolism, 33(9), 1355–1361. <https://doi.org/10.1038/jcbfm.2013.102>

Gibson, C. L., Coomber, B., & Rathbone, J. (2009). Is Progesterone a Candidate Neuroprotective Factor for Treatment following Ischemic Stroke? The Neuroscientist, 15(4), 324–332. <https://doi.org/10.1177/1073858409333069>

Goldstein, J. M., Seidman, L. M., Horton, N. J., Makris, N., Kennedy, D. N., Caviness, Jr., V. S., Faraone, S. V., & Tsuang, M. T. (2001). Normal Sexual Dimorphism of the Adult Human Brain Assessed by In Vivo Magnetic Resonance Imaging. Cerebral Cortex, 11(6), 490–497. <https://doi.org/10.1093/cercor/11.6.490>

Grabowska, A. (2016). Sex on the brain: Are gender-dependent structural and functional differences associated with behavior? Journal of Neuroscience Research, 95(1–2), 200–212. <https://doi.org/10.1002/jnr.23953>

Griffis, J. C., Metcalf, N. V., Corbetta, M. & Shulman, G. L. (2020). Damage to the shortest structural paths between brain regions is associated with disruptions of resting-state functional connectivity after stroke. NeuroImage, 210, 116589. <https://doi.org/10.1016/j.neuroimage.2020.116589>

Griffis, J. C., Metcalf, N. V., Corbetta, M. & Shulman, G. L. (2021). Lesion Quantification Toolkit: A MATLAB software tool for estimating grey matter damage and white matter disconnections in patients with focal brain lesions. NeuroImage: Clinical, 30, 102639. <https://doi.org/10.1016/j.nicl.2021.102639>

Henderson, V. W., & Lobo, R. A. (2012). Hormone therapy and the risk of stroke: perspectives 10 years after the Women's Health Initiative trials. Climacteric, 15(3), 229–234. <https://doi.org/10.3109/13697137.2012.656254>

Hirnstein, M., Hugdahl, K., & Hausmann, M. (2019). Cognitive sex differences and hemispheric asymmetry: A critical review of 40 years of research. Laterality: Asymmetries of Body, Brain and Cognition, 24(2), 204–252. <https://doi.org/10.1080/1357650x.2018.1497044>

Hollingworth, L. S. (1918). Comparison of the sexes in mental traits. Psychological Bulletin, 15(12), 427–432. <https://doi.org/10.1037/h0075023>

Hyde, J. S. (2005). The gender similarities hypothesis. American Psychologist, 60(6), 581–592. <https://doi.org/10.1037/0003-066x.60.6.581>

Hyde, J. S. (2014). Gender Similarities and Differences. Annual Review of Psychology, 65(1), 373–398. <https://doi.org/10.1146/annurev-psych-010213-115057>

Ingalhalikar, M., Smith, A., Parker, D., Satterthwaite, T. D., Elliott, M. A., Ruparel, K., Hakonarson, H., Gur, R. E., Gur, R. C. & Verma, R. (2013). Sex differences in the structural connectome of the human brain. Proceedings of the National Academy of Sciences, 111(2), 823–828. <https://doi.org/10.1073/pnas.1316909110>

Jackson, D., Kirkbride, J., Croudace, T., Morgan, C., Boydell, J., Errazuriz, A., Murray, R. M. & Jones, P. B. (2013). Meta‐analytic approaches to determine gender differences in the age‐incidence characteristics of schizophrenia and related psychoses. International Journal of Methods in Psychiatric Research, 22(1), 36–45. <https://doi.org/10.1002/mpr.1376>

Jensen, A., Castro, A. W., Ferretti, M. T., Martinkova, J., Vasilevskaya, A., Santuccione Chadha, A. & Tartaglia, A. C. (2022). Sex and gender differences in the neurological and neuropsychiatric symptoms of long COVID: A narrative review. The Italian Journal of Gender-Specific Medicine, 8(1), 18–28. <https://doi.org/10.1723/3769.37563>

Kanaan, R. A., Allin, M., Picchioni, M., Barker, G. J., Daly, E., Shergill, S. S., Woolley, J., & McGuire, P. K. (2012). Gender Differences in White Matter Microstructure. PLoS ONE, 7(6), e38272. <https://doi.org/10.1371/journal.pone.0038272>

Karnath, H. O. (2015). Spatial attention systems in spatial neglect. Neuropsychologia, 75, 61–73. <https://doi.org/10.1016/j.neuropsychologia.2015.05.019>

Karnath, H. O., & Dieterich, M. (2006). Spatial neglect—a vestibular disorder? Brain, 129(2), 293–305. <https://doi.org/10.1093/brain/awh698>

Karnath, H. O., & Niemeier, M. (2002). Task-dependent differences in the exploratory behaviour of patients with spatial neglect. Neuropsychologia, 40(9), 1577–1585. <https://doi.org/10.1016/s0028-3932(02)00020-9>

Karnath, H. O., & Rorden, C. (2012). The anatomy of spatial neglect. Neuropsychologia, 50(6), 1010–1017. <https://doi.org/10.1016/j.neuropsychologia.2011.06.027>

Karnath, H. O., Sperber, C., Wiesen, D., & de Haan, B. (2019). Lesion-Behavior Mapping in Cognitive Neuroscience: A Practical Guide to Univariate and Multivariate Approaches. Spatial Learning and Attention Guidance, 209–238. <https://doi.org/10.1007/7657_2019_18>

Kasties, V., Karnath, H. & Sperber, C. (2021). Strategies for feature extraction from structural brain imaging in lesion‐deficit modelling. Human Brain Mapping, 42(16), 5409–5422. <https://doi.org/10.1002/hbm.25629>

Katan, M., & Luft, A. (2018). Global Burden of Stroke. Seminars in Neurology, 38(02), 208–211. <https://doi.org/10.1055/s-0038-1649503>

Kovalev, V. A., Kruggel, F. & von Cramon, D. (2003). Gender and age effects in structural brain asymmetry as measured by MRI texture analysis. NeuroImage, 19(3), 895–905. <https://doi.org/10.1016/s1053-8119(03)00140-x>

Li, K., & Malhotra, P. A. (2015). Spatial neglect. Practical Neurology, 15(5), 333–339. <https://doi.org/10.1136/practneurol-2015-001115>

Li, H., Pin, S., Zeng, Z., Wang, M. M., Andreasson, K. A., & McCullough, L. D. (2005). Sex differences in cell death. Annals of Neurology, 58(2), 317–321. <https://doi.org/10.1002/ana.20538>

Liu, M., Kelley, M. H., Herson, P. S., & Hurn, P. D. (2010). Neuroprotection of Sex Steroids. Minerva Endocrinologica, 35(2), 127–143.

Liu, M., Oyarzabal, E. A., Yang, R., Murphy, S. J., & Hurn, P. D. (2008). A novel method for assessing sex-specific and genotype-specific response to injury in astrocyte culture. Journal of Neuroscience Methods, 171(2), 214–217. <https://doi.org/10.1016/j.jneumeth.2008.03.002>

Liu, R., & Yang, S.-H. (2013). Window of opportunity: Estrogen as a treatment for ischemic stroke. Brain Research, 1514, 83–90. <https://doi.org/10.1016/j.brainres.2013.01.023>

Manwani, B., Bentivegna, K., Benashski, S. E., Venna, V. R., Xu, Y., Arnold, A. P., & McCullough, L. D. (2014). Sex Differences in Ischemic Stroke Sensitivity Are Influenced by Gonadal Hormones, Not by Sex Chromosome Complement. Journal of Cerebral Blood Flow & Metabolism, 35(2), 221–229. <https://doi.org/10.1038/jcbfm.2014.186>

Nichols, T. E. & Holmes, A. P. (2002). Nonparametric permutation tests for functional neuroimaging: A primer with examples. Human Brain Mapping, 15(1), 1–25. <https://doi.org/10.1002/hbm.1058>

Röhrig, L., Sperber, C., Bonilha, L., Rorden, C. & Karnath, H. O. (2022). Right hemispheric white matter hyperintensities improve the prediction of spatial neglect severity in acute stroke. medRxiv. <https://doi.org/10.1101/2022.04.08.22273547>

Romanes, G. J. (1887). Mental Differences of Men and Women. Popular Science Monthly, 31. <https://en.wikisource.org/wiki/Popular_Science_Monthly/Volume_31/July_1887/Mental_Differences_of_Men_and_Women>

Rorden, C., Bonilha, L., Fridriksson, J., Bender, B., & Karnath, H. O. (2012). Age-specific CT and MRI templates for spatial normalization. NeuroImage, 61(4), 957–965. <https://doi.org/10.1016/j.neuroimage.2012.03.020>

Rorden, C., & Brett, M. (2000). Stereotaxic Display of Brain Lesions. Behavioural Neurology, 12(4), 191–200. <https://doi.org/10.1155/2000/421719>

Rorden, C., & Karnath, H. O. (2010). A simple measure of neglect severity. *Neuropsychologia*, *48*(9), 2758–2763. <https://doi.org/10.1016/j.neuropsychologia.2010.04.018>

Schölkopf, B., Platt, J. C., Shawe-Taylor, J., Smola, A. J. & Williamson, R. C. (2001). Estimating the Support of a High-Dimensional Distribution. Neural Computation, 13(7), 1443–1471. <https://doi.org/10.1162/089976601750264965>

Schölkopf, B., Smola, A. J., Williamson, R. C. & Bartlett, P. L. (2000). New Support Vector Algorithms. Neural Computation, 12(5), 1207–1245. <https://doi.org/10.1162/089976600300015565>

Sherman, J. A. (1967). Problem of sex differences in space perception and aspects of intellectual functioning. Psychological Review, 74(4), 290–299. <https://doi.org/10.1037/h0024723>

Shields, S. (1975). Functionalism, Darwinism, and the psychology of women. American Psychologist, 30(7), 739–754. <https://doi.org/10.1037/h0076948>

Snyder, H. M., Asthana, S., Bain, L., Brinton, R., Craft, S., Dubal, D. B., Espeland, M. A., Gatz, M., Mielke, M. M., Raber, J., Rapp, P. R., Yaffe, K. & Carrillo, M. C. (2016). Sex biology contributions to vulnerability to Alzheimer’s disease: A think tank convened by the Women’s Alzheimer’s Research Initiative. Alzheimer’s & Dementia, 12(11), 1186–1196. <https://doi.org/10.1016/j.jalz.2016.08.004>

Sperber, C. & Karnath, H. O. (2017). Impact of correction factors in human brain lesion-behavior inference. Human Brain Mapping, 38(3), 1692–1701. <https://doi.org/10.1002/hbm.23490>

Stone, S. P., Halligan, P. W., & Greenwood, R. J. (1993). The Incidence of Neglect Phenomena and Related Disorders in Patients with an Acute Right or Left Hemisphere Stroke. Age and Ageing, 22(1), 46–52. <https://doi.org/10.1093/ageing/22.1.46>

Suzuki, S., Brown, C. M., & Wise, P. M. (2009). Neuroprotective effects of estrogens following ischemic stroke. Frontiers in Neuroendocrinology, 30(2), 201–211. <https://doi.org/10.1016/j.yfrne.2009.04.007>

Ten Brink, A. F., Verwer, J. H., Biesbroek, J. M., Visser-Meily, J. M. A., & Nijboer, T. C. W. (2016). Differences between left- and right-sided neglect revisited: A large cohort study across multiple domains. Journal of Clinical and Experimental Neuropsychology, 39(7), 707–723. <https://doi.org/10.1080/13803395.2016.1262333>

Voyer, D., Voyer, S. D. & Saint-Aubin, J. (2016). Sex differences in visual-spatial working memory: A meta-analysis. Psychonomic Bulletin & Review, 24(2), 307–334. <https://doi.org/10.3758/s13423-016-1085-7>

Weintraub, S., & Mesulam, M. M. (1985). Mental state assessment of the young and elderly adults in behavioral neurology. In M. M. Mesulam (Ed.), Principles of Behavioral Neurology (pp. 71–123). Philadelphia, PA: FA Davis

Wise, P. M., Dubal, D. B., Wilson, M. E., Rau, S. W., Böttner, M., & Rosewell, K. L. (2001). Estradiol is a protective factor in the adult and aging brain: understanding of mechanisms derived from in vivo and in vitro studies. Brain Research Reviews, 37(1-3), 313–319. <https://doi.org/10.1016/s0165-0173(01)00136-9>

Woolley, H. T. (1914). The psychology of sex. Psychological Bulletin, 11(10), 353–379. <https://doi.org/10.1037/h0070064>

Yeh, F. C., Panesar, S., Fernandes, D., Meola, A., Yoshino, M., Fernandez-Miranda, J. C., Vettel, J. M. & Verstynen, T. (2018). Population-averaged atlas of the macroscale human structural connectome and its network topology. NeuroImage, 178, 57–68. <https://doi.org/10.1016/j.neuroimage.2018.05.027>

Zasler, N. D., & Kaplan, P. E. (2017). Fractional Anisotropy. Encyclopedia of Clinical Neuropsychology, 1. <https://doi.org/10.1007/978-3-319-56782-2_32-2>

Zell, E., Krizan, Z., & Teeter, S. R. (2015). Evaluating gender similarities and differences using metasynthesis. American Psychologist, 70(1), 10–20. <https://doi.org/10.1037/a0038208>

Zhang, Y., Kimberg, D. Y., Coslett, H. B., Schwartz, M. F. & Wang, Z. (2014). Multivariate lesion-symptom mapping using support vector regression. Human Brain Mapping, 35(12), 5861–5876. <https://doi.org/10.1002/hbm.22590>