



DAFTAR PUSTAKA

- Achterberg, H. C., Sørensen, L., Wolters, F. J., Niessen, W. J., Vernooij, M. W., Ikram, M. A., et al. 2019. The value of hippocampal volume, shape, and texture for 11-year prediction of dementia: a population-based study. *Neurobiology of Aging*, 81, 58–66.
- Allen, L. M., Hasso, A. N., Handwerker, J., & Farid, H. 2012. Sequence-specific MR imaging findings that are useful in dating ischemic stroke. *Radiographics*, 32(5), 1285–1297.
- Álvarez-Linera, P.J., & Jiménez-Huete, A. 2019. Neuroimaging in dementia. Clinical–radiological correlation. *Radiología (English Edition)*, 61(1), 66–81. <https://doi.org/10.1016/j.rxeng.2018.12.001>
- Arvanitakis, Z., Shah, R. C., & Bennett, D. A. 2019. Diagnosis and management of dementia. *Jama*, 322(16), 1589–1599.
- Barkhof, F., Hazewinkel, M., Binnewijzend, M., & Smithuis, R. 2012. Dementia : role of MRI. *Radiology Assistant. Publicationdate January*, 9(Mci), 1–22.
- Ben-Assayag, E., Mijajlovic, M., Shenharr-Tsarfaty, S., Bova, I., Shopin, L., & Bornstein, N. M. 2012. Leukoaraiosis is a chronic atherosclerotic disease. *The Scientific World Journal*, 2012.
- Borda, M. G., Jaramillo-Jimenez, A., Tovar-Rios, D. A., Ferreira, D., Garcia-Cifuentes, E., Vik-Mo, A. O., et al. 2020. Hippocampal subfields and decline in activities of daily living in Alzheimer's disease and dementia with Lewy bodies. *Neurodegenerative Disease Management*, 10(6), 357–367.
- Cao, Q., Tan, C.-C., Xu, W., Hu, H., Cao, X.-P., Dong, Q., et al. 2020. The Prevalence of Dementia: A Systematic Review and Meta-Analysis. *Journal of Alzheimer's Disease*, 73, 1157–1166. <https://doi.org/10.3233/JAD-191092>
- Chandra, A., Li, W., Stone, C., Geng, X., & Ding, Y. 2017. The cerebral circulation and cerebrovascular disease I: Anatomy. *Brain Circulation*, 3(2), 45. https://doi.org/10.4103/bc.bc_10_17
- Cunningham, E., McGuinness, B., Herron, B., & Passmore, A. P. 2015. Dementia. *The Ulster Medical Journal*, 84(2), 79–87.
- Dahlan, M. S. 2009. Besar Sampel dan Cara Pengambilan Sampel. 3rd edition. Jakarta: Salemba Medika, pp. 1-208
- Dahlan, M.S. 2014. Statistik untuk Kedokteran dan Kesehatan. 6th edition. Jakarta: Epidemiologi Indonesia, pp. 1-300
- de Flores, R., La Joie, R., Landeau, B., Perrotin, A., Mézenge, F., de La Sayette, V., et al. 2015. Effects of age and Alzheimer's disease on hippocampal subfields: comparison between manual and FreeSurfer volumetry. *Human Brain Mapping*, 36(2), 463–474.
- De Leeuw, F.-E., Barkhof, F., & Scheltens, P. 2004. *White matter lesions and hippocampal atrophy in Alzheimer's disease*.
- Dekeyzer, S., De Kock, I., Nikoubashman, O., Vanden Bossche, S., Van Eetvelde, R., De Groote, J., et al. 2017. “Unforgettable”—a pictorial essay on anatomy and pathology of the hippocampus. *Insights into Imaging*, 8, 199–212.



- Dhikav, V., Duraiswamy, S., & Anand, K. S. 2017. Correlation between hippocampal volumes and medial temporal lobe atrophy in patients with Alzheimer's disease. *Annals of Indian Academy of Neurology*, 20(1), 29.
- Diez, A.G. *Inferring and comparing structural parcellations of the human brain using diffusion MRI*. Available at: <https://theses.hal.science/tel-02272039>.
- Du, A. T., Schuff, N., Chao, L. L., Kornak, J., Ezekiel, F., Jagust, W. J., et al. 2005. White matter lesions are associated with cortical atrophy more than entorhinal and hippocampal atrophy. *Neurobiology of Aging*, 26(4), 553–559. <https://doi.org/10.1016/j.neurobiolaging.2004.05.002>
- Eggert, L. D., Sommer, J., Jansen, A., Kircher, T., & Konrad, C. 2012. *Accuracy and reliability of automated gray matter segmentation pathways on real and simulated structural magnetic resonance images of the human brain*.
- Eizaguirre, N. O., Rementeria, G. P., González-Torres, M. Á., & Gaviria, M. 2017. Updates in vascular dementia. *Heart and Mind*, 1(1), 22.
- Embong, M. F., Yaacob, R., Abdullah, M. S., Karim, A. H. A., Ghazali, A. K., & Jalaluddin, W. M. 2013. *MR volumetry of hippocampus in normal adult malay of age 50 years old and above*.
- Fiford, C. M., Manning, E. N., Bartlett, J. W., Cash, D. M., Malone, I. B., Ridgway, G. R., et al. 2017. White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. *Hippocampus*, 27(3), 249–262. <https://doi.org/10.1002/hipo.22690>
- Gale, S. A., Acar, D., & Daffner, K. R. 2018. Dementia. *The American Journal of Medicine*, 131(10), 1161–1169. <https://doi.org/10.1016/j.amjmed.2018.01.022>
- Hasan, K. M., Mwangi, B., Cao, B., Keser, Z., Tustison, N. J., Kochunov, P., et al. 2016. Entorhinal cortex thickness across the human lifespan. *Journal of Neuroimaging*, 26(3), 278–282.
- Ikram, M. A., Vrooman, H. A., Vernooij, M. W., den Heijer, T., Hofman, A., Niessen, W. J., et al. 2010. Brain tissue volumes in relation to cognitive function and risk of dementia. *Neurobiology of Aging*, 31(3), 378–386.
- Inzitari, D. 2003. Leukoaraiosis: an independent risk factor for stroke? *Stroke*, 34(8), 2067–2071.
- Jack, C. R., Bernstein, M. A., Fox, N. C., Thompson, P., Alexander, G., Harvey, D., et al. 2008. The Alzheimer's Disease Neuroimaging Initiative (ADNI): MRI methods. In *Journal of Magnetic Resonance Imaging* (Vol. 27, Issue 4, pp. 685–691). <https://doi.org/10.1002/jmri.21049>
- Jackson, K., Barisone, G. A., Diaz, E., Jin, L., DeCarli, C., & Despa, F. 2013. Amylin deposition in the brain: A second amyloid in Alzheimer disease? *Annals of Neurology*, 74(4), 517–526.
- Jang, J. W., Kim, S., Na, H. Y., Ahn, S., Lee, S. J., Kwak, K. H., et al. 2013. Effect of white matter hyperintensity on medial temporal lobe atrophy in Alzheimer's Disease. *European Neurology*, 69(4), 229–235. <https://doi.org/10.1159/000345999>
- Kim, K. W., MacFall, J. R., & Payne, M. E. 2008. Classification of White Matter Lesions on Magnetic Resonance Imaging in Elderly Persons. In *Biological Psychiatry* (Vol. 64, Issue 4, pp. 273–280). <https://doi.org/10.1016/j.biopsych.2008.03.024>



- Kovacevic, S., Rafii, M. S., & Brewer, J. B. 2009. High-throughput, fully-automated volumetry for prediction of MMSE and CDR decline in mild cognitive impairment. *Alzheimer Disease and Associated Disorders*, 23(2), 139.
- MacLaren, J., Han, Z., Vos, S. B., Fischbein, N., & Bammer, R. 2014. Reliability of brain volume measurements: A test-retest dataset. *Scientific Data*, 1. <https://doi.org/10.1038/sdata.2014.37>
- Miller-Thomas, M. M., Sipe, A. L., Benzinger, T. L. S., McConathy, J., Connolly, S., & Schwetye, K. E. 2016. Multimodality review of amyloid-related diseases of the central nervous system. *Radiographics*, 36(4), 1147–1163.
- Moonis, G., Subramaniam, R. M., Trofimova, A., Burns, J., Bykowski, J., Chakraborty, S., et al. (2020). ACR Appropriateness Criteria® Dementia. *Journal of the American College of Radiology*, 17(5), S100–S112. <https://doi.org/10.1016/j.jacr.2020.01.040>
- Nobis, L., Manohar, S. G., Smith, S. M., Alfaro-Almagro, F., Jenkinson, M., Mackay, C. E., et al. 2019. Hippocampal volume across age: Nomograms derived from over 19,700 people in UK Biobank. *NeuroImage: Clinical*, 23, 101904.
- Norfray, J. F., & Provenzale, J. M. 2004. Alzheimer's disease: neuropathologic findings and recent advances in imaging. *American Journal of Roentgenology*, 182(1), 3–13.
- Ong, P. A., Muis, A., Rambe, A. S., Widjojo, F. S., Laksmidewi, A. A., Pramono, A., et al. 2015. Panduan Praktik klinik diagnosis dan penatalaksanaan demensia. *Jakarta: Perhimpunan Dokter Spesialis Saraf Indonesia*.
- O'Sullivan, M. 2008. Leukoaraiosis. *Practical Neurology*, 8(1), 26–38.
- Park, M., & Moon, W. J. 2016. Structural MR imaging in the diagnosis of Alzheimer's disease and other neurodegenerative dementia: Current imaging approach and future perspectives. In *Korean Journal of Radiology* (Vol. 17, Issue 6, pp. 827–845). Korean Radiological Society. <https://doi.org/10.3348/kjr.2016.17.6.827>
- Pedraza, O., Bowers, D., & Gilmore, R. 2004. Asymmetry of the hippocampus and amygdala in MRI volumetric measurements of normal adults. *Journal of the International Neuropsychological Society*, 10(5), 664–678.
- Porcu, M., Operamolla, A., Scapin, E., Garofalo, P., Destro, F., Caneglias, A., et al. 2020. Effects of White Matter Hyperintensities on Brain Connectivity and Hippocampal Volume in Healthy Subjects According to Their Localization. *Brain Connectivity*, 10(8), 436–447. <https://doi.org/10.1089/brain.2020.0774>
- Prince, M., Knapp, M., Guerchet, M., McCrone, P., Prina, M., Comas-Herrera, M., et al. (2014). *Dementia UK: update*.
- Prins, N. D., & Scheltens, P. 2015. White matter hyperintensities, cognitive impairment and dementia: An update. In *Nature Reviews Neurology* (Vol. 11, Issue 3, pp. 157–165). Nature Publishing Group. <https://doi.org/10.1038/nrneurol.2015.10>
- Ray, S., & Davidson, S. 2014. Dementia and cognitive decline. *A Review of the Evidence. Age UK*, 27, 10–12.
- Rizzi, L., Rosset, I., & Roriz-Cruz, M. 2014. Global epidemiology of dementia: Alzheimer's and vascular types. *BioMed Research International*, 2014. <https://doi.org/10.1155/2014/908915>
- SantaCruz, K., & Swagerty Jr, D. L. 2001. Early diagnosis of dementia. *American Family Physician*, 63(4), 703.



- Sastroasmoro, S., & Ismael, S. 2011. Dasar-dasar metodologi penelitian klinis Edisi ke-4. Jakarta: *Sagung Seto*, 376.
- Schmidt, M. F., Storrs, J. M., Freeman, K. B., Jack Jr, C. R., Turner, S. T., Griswold, M. E., et al. 2018. A comparison of manual tracing and FreeSurfer for estimating hippocampal volume over the adult lifespan. *Human Brain Mapping*, 39(6), 2500–2513.
- T O'Brien, J., Erkinjuntti, T., Reisberg, B., Roman, G., Sawada, T., Pantoni, L., et al. 2003. Vascular cognitive impairment. *The Lancet Neurology*, 2(2), 89–98.
- Thau, L., Reddy, V., & Singh, P. 2019. *Anatomy, Central Nervous System*.
- van der Lijn, F., Den Heijer, T., Breteler, M. M. B., & Niessen, W. J. 2008. Hippocampus segmentation in MR images using atlas registration, voxel classification, and graph cuts. *Neuroimage*, 43(4), 708–720.
- Van Etten, E. J., Bharadwaj, P. K., Hishaw, G. A., Huentelman, M. J., Trouard, T. P., Grilli, M. D., et al. 2021. Influence of regional white matter hyperintensity volume and apolipoprotein E ε4 status on hippocampal volume in healthy older adults. *Hippocampus*, 31(5), 469–480. <https://doi.org/10.1002/hipo.23308>
- Viera, A. J., & Garrett, J. M. 2005. Understanding interobserver agreement: the kappa statistic. *Fam Med*, 37(5), 360–363.
- Vijayakumar, A., & Vijayakumar, A. 2013. Comparison of Hippocampal Volume in Dementia Subtypes. *ISRN Radiology*, 2013, 1–5. <https://doi.org/10.5402/2013/174524>
- Vipin, A., Satish, V., Saffari, S. E., Koh, W., Lim, L., Silva, E., et al. 2021. Dementia in Southeast Asia: influence of onset-type, education, and cerebrovascular disease. *Alzheimer's Research & Therapy*, 13, 1–11.
- Walker, L., Stefanis, L., & Attems, J. 2019. Clinical and neuropathological differences between Parkinson's disease, Parkinson's disease dementia and dementia with Lewy bodies – current issues and future directions. In *Journal of Neurochemistry* (Vol. 150, Issue 5, pp. 467–474). Blackwell Publishing Ltd. <https://doi.org/10.1111/jnc.14698>
- World Health Organization (WHO). (2019, April 22). *Statistik tentang Demensia - Alzheimer Indonesia*. <https://alzi.or.id/statistik-tentang-demensia/>
- Zhang, J. 2019. Secrets of the brain: an introduction to the brain anatomical structure and biological function. *ArXiv Preprint ArXiv:1906.03314*.
- Zheng, F., Cui, D., Zhang, L., Zhang, S., Zhao, Y., Liu, X., et al. 2018. The volume of hippocampal subfields in relation to decline of memory recall across the adult lifespan. *Frontiers in Aging Neuroscience*, 10, 320.