

## DAFTAR PUSTAKA

- Aam, S., Einstad, M.S., Munthe-Kaas, R., Lydersen, S., Ihle-Hansen, H., Knapskog, A.B., Ellekjær, H., Seljeseth, Y., Saltvedt, I., 2020. Post-stroke Cognitive Impairment—Impact of Follow-Up Time and Stroke Subtype on Severity and Cognitive Profile: The Nor-COAST Study. *Front. Neurol.* 11, 1–10. <https://doi.org/10.3389/fneur.2020.00699>
- Al-qazzaz, N.K., Ali, S.H., Ahmad, S.A., Islam, S., Mohamad, K., 2014. Cognitive impairment and memory dysfunction after a stroke diagnosis : a post-stroke memory assessment 1677–1691.
- Alvi, Amna, Mubarak, F., Alvi, Asma, 2018. Overview of neurodegenerative disorders associated with dementia: role of MRI 3, 86–87. <https://doi.org/10.15406/mojgg.2018.03.00092>
- Ama Moor, V.J., Ndongo Amougou, S., Ombotto, S., Ntone, F., Wouamba, D.E., Ngo Nonga, B., 2017. Dyslipidemia in Patients with a Cardiovascular Risk and Disease at the University Teaching Hospital of Yaoundé, Cameroon. *Int. J. Vasc. Med.* 2017. <https://doi.org/10.1155/2017/6061306>
- Anderson, K.E., 2004. Dementia in Parkinson's disease. *Curr. Treat. Options Neurol.* 6, 201–207. <https://doi.org/10.1007/s11940-004-0012-9>
- Antczak, J., Rusin, G., Agnieszka, S., 2021. Transcranial magnetic stimulation as a diagnostic and therapeutic tool in various types of dementia. *J. Clin. Med.* 10, 1–15. <https://doi.org/10.5114/ppn.2021.110796>
- Arvanitakis, Z., Shah, R.C., Bennett, D.A., 2019. Diagnosis and Management of Dementia: Review. *JAMA - J. Am. Med. Assoc.* 322, 1589–1599. <https://doi.org/10.1001/jama.2019.4782>
- Baumgart, M., Snyder, H.M., Carrillo, M.C., Fazio, S., Kim, H., Johns, H., 2015. Summary of the evidence on modifiable risk factors for cognitive decline and dementia: A population-based perspective. *Alzheimer's Dement.* 11, 718–726. <https://doi.org/10.1016/j.jalz.2015.05.016>

- Brzezinski, W.A., 1990. Blood pressure, in: Walker, H., Hall, W., Hurst, J. (Eds.), *The History, Physical, and Laboratory Examinations*. Butterworths, Boston, pp. 95–97. <https://doi.org/10.7748/ns.18.35.22.s25>
- Burton, E.J., McKeith, I.G., Burn, D.J., Williams, E.D., O'Brien, J.T., 2004. Cerebral atrophy in Parkinson's disease with and without dementia: A comparison with Alzheimer's disease, dementia with Lewy bodies and controls. *Brain* 127, 791–800. <https://doi.org/10.1093/brain/awh088>
- Caraceni, P., Domenicali, M., Tovoli, A., Napoli, L., Ricci, C.S., Tufoni, M., Bernardi, M., 2013. Clinical indications for the albumin use: Still a controversial issue. *Eur. J. Intern. Med.* 24, 721–728. <https://doi.org/10.1016/j.ejim.2013.05.015>
- Cavanna, A.E., Trimble, M.R., 2006. The precuneus: A review of its functional anatomy and behavioural correlates. *Brain* 129, 564–583. <https://doi.org/10.1093/brain/awl004>
- Chakraborty, S., Mandal, S., Kundu, S., Sau, A., 2022. Correlation between Clinical Dementia Rating and brain neuroimaging metrics of Alzheimer's disease: An observational study from a tertiary care institute of Eastern India. *Arch. Ment. Heal.* 23, 56–61. [https://doi.org/10.4103/amh.amh\\_87\\_21](https://doi.org/10.4103/amh.amh_87_21)
- Chatra, K., Mynalli, S., Braggs, A.V., 2021. Correlation of Neurocortical Atrophy Scores on Imaging with Mini-Mental Status Examination. *Int. J. Anat. Radiol. Surg.* 1–5. <https://doi.org/10.7860/ijars/2021/45463.2618>
- Chen, X., 2022. Effectiveness of cognitive stimulation therapy ( CST ) on cognition , quality of life and neuropsychiatric symptoms for patients living with dementia : *Geriatr. Nurs. (Minneapolis)*. 47, 201–210. <https://doi.org/10.1016/j.gerinurse.2022.07.012>
- Chen, Y., Lv, C., Li, X., Zhang, J., Chen, K., Liu, Z., Li, H., Fan, J., Qin, T., Luo, L., Zhang, Z., 2019. The positive impacts of early-life education on cognition, leisure activity, and brain structure in healthy aging 11, 4923–4942.

- Correia, R., Barroso, J., Nieto, A., 2018. Age-Related Cognitive Changes: The Importance of Modulating Factors. *J. Geriatr. Med. Gerontol.* 4, 1–10. <https://doi.org/10.23937/2469-5858/1510048>
- Dahlan, M., 2018. *Statistik Untuk Kedokteran dan Kesehatan*, 6th ed. Epidemiologi Indonesia, Jatinangor.
- De Menezes, S.T., Giatti, L., Brant, L.C.C., Griep, R.H., Schmidt, M.I., Duncan, B.B., Suemoto, C.K., Ribeiro, A.L.P., Barreto, S.M., 2021. Hypertension, Prehypertension, and Hypertension Control: Association With Decline in Cognitive Performance in the ELSA-Brasil Cohort. *Hypertension* 77, 672–681. <https://doi.org/10.1161/HYPERTENSIONAHA.120.16080>
- Dening, T., Sandilyan, M.B., 2015. Dementia: definitions and types. *Nurs. Stand.* 29, 37–42. <https://doi.org/10.7748/ns.29.37.37.e9405>
- Desideri, G., Bocale, R., 2021. Correlation between cardiovascular risk factors and cognitive decline. *Eur. Hear. Journal, Suppl.* 23, E73–E76. <https://doi.org/10.1093/eurheartj/suab095>
- Di Pucchio, A., Vanacore, N., Marzolini, F., Lacorte, E., Di Fiandra, T., Group, I.-D., Gasparini, M., 2018. Use of neuropsychological tests for the diagnosis of dementia: A survey of Italian memory clinics. *BMJ Open* 8, 1–8. <https://doi.org/10.1136/bmjopen-2017-017847>
- do Carmo, F.S., Pires, S.L., Gorzoni, M.L., Miorin, L.A., 2013. Cognitive and renal dysfunction in the elderly. *Dement. e Neuropsychol.* 7, 397–402. <https://doi.org/10.1590/s1980-57642013dn74000007>
- Dolan, H., Crain, B., Troncoso, J., Resnick, S.M., Zonderman, A.B., O'Brien, R.J., 2010. Atherosclerosis, Dementia, and Alzheimer's Disease in the BLSA Cohort 68, 231–240. <https://doi.org/10.1002/ana.22055>
- Dubois, B., Picard, G., Sarazin, M., 2009. Early detection of Alzheimer's disease: New diagnostic criteria. *Dialogues Clin. Neurosci.* 11, 135–139. <https://doi.org/10.31887/dcns.2009.11.2/bdubois>

- Duong, S., Patel, T., Chang, F., 2017. Dementia : What pharmacists need to know 150, 11–14. <https://doi.org/10.1177/1715163517690745>
- Elias, M.F., Elias, P.K., Seliger, S.L., Narsipur, S.S., Dore, G.A., Robbins, M.A., 2009. Chronic kidney disease, creatinine and cognitive functioning. *Nephrol. Dial. Transplant.* 24, 2446–2452. <https://doi.org/10.1093/ndt/gfp107>
- Elwan, M.E., Al-emam, A.I., Munir, A.N., Melake, M.S., 2021. Does the second ischemic stroke herald a higher proportional risk for cognitive and physical impairment than the first-ever one? *Egypt. J. Neurol. Psychiatry Neurosurg.* 57, 1–7. <https://doi.org/10.1186/s41983-021-00404-2>
- Emmady, P.D., Tadi, P., 2022. Dementia. StatPearls Publishing.
- Farina, N., King, D., Burgon, C., Berwald, S., Bustard, E., Feeney, Y., Habibi, R., Comas-Herrera, A., Knapp, M., Banerjee, S., Adelaja, B., Avendano, M., Bamford, S.M., Banerjee, S., Berwald, S., Bowling, A., Burgon, C., Bustard, E., Habibi, R., Comas-Herrera, A., Dangoor, M., Dixon, J., Farina, N., Feeney, Y., Greengross, S., Grundy, E., Hu, B., Jagger, C., Jopling, K., Knapp, M., Kingston, A., Lombard, D., Lorenz, K., McDaid, D., Park, A. La, Pikhartova, J., Read, S., Rehill, A., Wittenberg, R., 2020. Disease severity accounts for minimal variance of quality of life in people with dementia and their carers: Analyses of cross-sectional data from the MODEM study. *BMC Geriatr.* 20, 1–13. <https://doi.org/10.1186/s12877-020-01629-1>
- Flak, M.M., Hol, H.R., Hernes, S.S., Chang, L., Ernst, T., Engvig, A., Bjuland, K.J., Madsen, B.O., Lindland, E.M.S., Knapskog, A.B., Ulstein, I.D., Lona, T.E.E., Skranes, J., Løhaugen, G.C.C., 2018. Cognitive Profiles and Atrophy Ratings on MRI in Senior Patients With Mild Cognitive Impairment. *Front. Aging Neurosci.* 10, 1–14. <https://doi.org/10.3389/fnagi.2018.00384>

- Forte, G., Pascalis, V. De, Favieri, F., Casagrande, M., 2020. Effects of Blood Pressure on Cognitive Performance : A Systematic Review.
- Fu, M., Bakulski, K.M., Higgins, C., Ware, E.B., 2021. Mendelian Randomization of Dyslipidemia on Cognitive Impairment Among Older Americans. *Front. Neurol.* 12. <https://doi.org/10.3389/fneur.2021.660212>
- Furtner, J., Prayer, D., 2021. Neuroimaging in dementia 274–281. <https://doi.org/10.1007/s10354-021-00825-x>
- Glind, E.M.M. Van De, Enst, A. Van, Munster, B.C. van, Rikkert, M.G.M.O., Scheltens, P., Scholten, R.J.P.M., Hooft, L., 2013. Pharmacological Treatment of Dementia : A Scoping Review of Systematic Reviews. *Dement. Geriatr. Cogn. Disord.* 36, 211–228. <https://doi.org/10.1159/000353892>
- Gordis, L., 2004. *Epidemiology*, 4th ed. Elsevier Saunders.
- Grajcevc, A., Shala, A., 2016. Formal and Non-Formal Education in the New Era Formal and Non-Formal Education in the New Era. *Action Res. Educ.* 119–130.
- Greenwood, A.M., 1999. International definitions and prospects of Underemployment Statistics. *ILO Bur. Stat.* 18.
- Grover, S., Somani, A., 2016. Etiologies and risk factors for dementia. *J. Geriatr. Ment. Heal.* 3, 100. <https://doi.org/10.4103/2348-9995.195601>
- Guicciardi, M., Crisafulli, A., Doneddu, A., Fadda, D., Lecis, R., 2019. Effects of metabolic syndrome on cognitive performance of adults during exercise. *Front. Psychol.* 10, 1–8. <https://doi.org/10.3389/fpsyg.2019.01845>
- Håkansson, K., Rovio, S., Helkala, E.L., Vilska, A.R., Winblad, B., Soininen, H., Nissinen, A., Mohammed, A.H., Kivipelto, M., 2009. Association between mid-life marital status and cognitive function in later life: Population based cohort study. *BMJ* 339, 1–8. <https://doi.org/10.1136/bmj.b2462>

- Han, F., Luo, C., Lv, D., Tian, L., Qu, C., 2022. Risk Factors Affecting Cognitive Impairment of the Elderly Aged 65 and Over: A Cross-Sectional Study. *Front. Aging Neurosci.* 14, 1–11. <https://doi.org/10.3389/fnagi.2022.903794>
- Han, K.T., Park, E.C., Kim, J.H., Kim, S.J., Park, S., 2014. Is marital status associated with quality of life? *Health Qual. Life Outcomes* 12, 1–10. <https://doi.org/10.1186/s12955-014-0109-0>
- Hatmanti, N.M., Yunita, A., 2019. Senam Lansia dan Terapi Puzzle terhadap Demensia pada Lansia. *J. Keperawatan Muhammadiyah* 4, 104–107. <https://doi.org/10.30651/jkm.v4i1.2422>
- Herrmann, N., Lanctôt, K.L., Hogan, D.B., 2013. Pharmacological recommendations for the symptomatic treatment of dementia: the Canadian Consensus Conference on the Diagnosis and Treatment of Dementia 2012. *Alzheimer's Res. Ther.* 5, 1–12.
- Holden, E., Stoner, C.R., Spector, A., 2021. Cognitive stimulation therapy for dementia: Provision in National Health Service settings in England, Scotland and Wales. *Dementia* 20, 1553–1564. <https://doi.org/10.1177/1471301220954611>
- Hosten, A.O., 1990. BUN and Creatinine, in: Walker, H., Hall, W., Hurst, W. (Eds.), *The History, Physical, and Laboratory Examinations*. Butterworths, Boston, pp. 874–878. [https://doi.org/10.7326/0003-4819-113-7-563\\_2](https://doi.org/10.7326/0003-4819-113-7-563_2)
- Hua, R., Ma, Y., Li, C., Zhong, B., Xie, W., 2021. Low levels of low-density lipoprotein cholesterol and cognitive decline. *Sci. Bull.* 66, 1684–1690. <https://doi.org/10.1016/j.scib.2021.02.018>
- Hugo, J., Ganguli, M., 2014. Dementia and Cognitive Impairment: Epidemiology, Diagnosis, and Treatment. *Clin Geriatr Med* 30, 421–442. <https://doi.org/10.1016/j.cger.2014.04.001.Dementia>
- Husein, N., Lumempouw, S., Ramli, Y., 2010. UJI VALIDITAS DAN RELIABILITAS MONTREAL COGNITIVE ASSESSMENT VERSI INDONESIA ( MoCA-Ina ). *Neurona* 27, 1–13.

- Iadecola, C., 2014. Hypertension and dementia. *Hypertens. AHA* 64, 3–5.  
<https://doi.org/10.1161/HYPERTENSIONAHA.114.03040>
- Jacobson, T.A., Ito, M.K., Maki, K.C., Orringer, C.E., Bays, H.E., Jones, P.H., McKenney, J.M., Grundy, S.M., Gill, E.A., Wild, R.A., Wilson, D.P., Brown, W.V., 2015. National Lipid Association recommendations for patient-centered management of dyslipidemia: Part 1 - Full report. *J. Clin. Lipidol.* 9, 129–169. <https://doi.org/10.1016/j.jacl.2015.02.003>
- Javed, K., Reddy, V., Das, J.M., 2022. Neuroanatomy, Posterior Cerebral Arteries. StatPearls Publishing.
- Kalaria, R.N., 2018. The pathology and pathophysiology of vascular dementia. *Neuropharmacology* 134, 226–239.  
<https://doi.org/10.1016/j.neuropharm.2017.12.030>
- Kantarci, K., Senjem, M.L., Lowe, V.J., Wiste, H.J., Weigand, S.D., Kemp, B.J., Frank, A.R., Shiung, M.M., Boeve, B.F., Knopman, D.S., Petersen, R.C., Jack, C.R.J., 2010. Effects of age on the glucose metabolic changes in mild cognitive impairment. *AJNR. Am. J. Neuroradiol.* 31, 1247–1253.  
<https://doi.org/10.3174/ajnr.A2070>
- Kaushik, S., Vani, K., Chumber, S., Anand, K.S., Dhamija, R.K., 2021. Evaluation of MR Visual Rating Scales in Major Forms of Dementia. *J. Neurosci. Rural Pract.* 12, 16–23. <https://doi.org/10.1055/s-0040-1716806>
- Kementerian Kesehatan RI, 2021. Konten Media HLUN 2021, Kementerian Kesehatan Republik Indonesia.
- Kementerian Kesehatan RI, 2013. Menkes: Lansia yang Sehat, Lansia yang Jauh dari Demensia [WWW Document]. URL <https://www.kemkes.go.id/article/view/16031000003/menkes-lansia-yang-sehat-lansia-yang-jauh-dari-demensia.html> (accessed 9.4.22).
- Kheloui, S., Brouillard, A., Rossi, M., Marin, M., Mendrek, A., Paquette, D., Juster, R., 2021. Acta Psychologica Exploring the sex and gender correlates of cognitive sex differences. *Acta Psychol. (Amst).* 221, 1–13.  
<https://doi.org/10.1016/j.actpsy.2021.103452>



- Kieyl, K.M., 2014. Cognitive Function, in: Michalos, A.C. (Ed.), *Encyclopedia of Quality of Life and Well-Being Research*. Springer Link, pp. 974–978. [https://doi.org/https://doi.org/10.1007/978-94-007-0753-5\\_426](https://doi.org/https://doi.org/10.1007/978-94-007-0753-5_426)
- Kim, J.W., Byun, M.S., Lee, J.H., Yi, D., Jeon, S.Y., Sohn, B.K., Lee, J.Y., A Shin, S., Kim, Y.K., Kang, K.M., Sohn, C.H., Lee, D.Y., 2020. Serum albumin and beta-amyloid deposition in the human brain. *Neurology* 95, E815–E826. <https://doi.org/10.1212/WNL.00000000000010005>
- Kim, S., Kim, Y., Park, S.M., 2016. Body mass index and decline of cognitive function. *PLoS One* 11, 1–14. <https://doi.org/10.1371/journal.pone.0148908>
- Knopman, D., Boland, L.L., Mosley, T., Howard, G., Liao, D., Szklo, M., McGovern, P., Folsom, A.R., 2001. Cardiovascular risk factors and cognitive decline in middle-aged adults. *Neurology* 56, 42–48. <https://doi.org/10.1212/WNL.56.1.42>
- Koedam, E.L.G.E., Lehmann, M., Van Der Flier, W.M., Scheltens, P., Pijnenburg, Y.A.L., Fox, N., Barkhof, F., Wattjes, M.P., 2011. Visual assessment of posterior atrophy development of a MRI rating scale. *Eur Radiol* 21, 2618–2625. <https://doi.org/10.1007/s00330-011-2205-4>
- La Rue, A., 2010. Healthy Brain Aging: Role of Cognitive Reserve, Cognitive Stimulation, and Cognitive Exercises. *Clin. Geriatr. Med.* 26, 99–111. <https://doi.org/10.1016/j.cger.2009.11.003>
- Leech, R., Sharp, D.J., 2014. The role of the posterior cingulate cortex in cognition and disease. *Brain* 137, 12–32. <https://doi.org/10.1093/brain/awt162>
- Li, D.D., Zhang, Y.H., Zhang, W., Zhao, P., 2019. Meta-analysis of randomized controlled trials on the efficacy and safety of donepezil, galantamine, rivastigmine, and memantine for the treatment of Alzheimer's disease. *Front. Neurosci.* 13. <https://doi.org/10.3389/fnins.2019.00472>



- Li, Y., Jiang, H., Jin, X., Wang, H., Ji, J.S., Yan, L.L., 2021. Cognitive impairment and all-cause mortality among Chinese adults aged 80 years or older. *Brain Behav.* 11, 1–11. <https://doi.org/10.1002/brb3.2325>
- Lim, J.U., Lee, J.H., Kim, J.S., Hwang, Y. Il, Kim, T., Yong, S., Yoo, K.H., 2017. Comparison of World Health Organization and Asia-Pacific Body Mass Index Classifications in Copd Patient. *Respirology* 22, 4–4. <https://doi.org/10.1111/resp.13206>
- Lisanby, S.H., Luber, B., Perera, T., Sackeim, H.A., 2000. Transcranial magnetic stimulation: Applications in basic neuroscience and neuropsychopharmacology. *Int. J. Neuropsychopharmacol.* 3, 259–273. <https://doi.org/10.1017/S1461145700002005>
- Liu, C.C., Li, C.Y., Sun, Y., Hu, S.C., 2019. Gender and Age Differences and the Trend in the Incidence and Prevalence of Dementia and Alzheimer's Disease in Taiwan: A 7-Year National Population-Based Study. *Biomed Res. Int.* 2019. <https://doi.org/10.1155/2019/5378540>
- Liu, H., Zhang, Z., Choi, S.W., Langa, K.M., 2020. Marital Status and Dementia: Evidence from the Health and Retirement Study. *Journals Gerontol. - Ser. B Psychol. Sci. Soc. Sci.* 75, 1783–1795. <https://doi.org/10.1093/geronb/gbz087>
- Liu, L., Hayden, K.M., May, N.S., Haring, B., Liu, Z., Henderson, V.W., Chen, J., Gracely, E.J., Wassertheil-smoller, S., Rapp, S.R., 2022. Association between blood pressure levels and cognitive impairment in older women : a prospective analysis of the Women ' s Health Initiative Memory Study. *Lancet Heal. Longev.* 3, 42–53. [https://doi.org/10.1016/S2666-7568\(21\)00283-X](https://doi.org/10.1016/S2666-7568(21)00283-X)
- Liu, Q., Zhong, M., Yuan, S., Niu, C., Ma, X., 2021. Clinical study of central cholinergic pathway damage in two mild cognitive impairment patients. *Neurol. Sci.* 42, 4707–4717. <https://doi.org/10.1007/s10072-021-05573-9>

- López-Espuela, F., González-Gil, T., Amarilla-Donoso, J., Cordovilla-Guardia, S., Portilla-Cuenca, J.C., Casado-Naranjo, I., 2018. Critical points in the experience of spouse caregivers of patients who have suffered a stroke. A phenomenological interpretive study. *PLoS One* 13, 1–16. <https://doi.org/10.1371/journal.pone.0195190>
- Lövdén, M., Fratiglioni, L., Glymour, M.M., Lindenberg, U., Tucker-drob, E.M., 2020. Education and Cognitive Functioning Across the Life Span. *Assoc. Psychol. Sci.* 21, 6–41. <https://doi.org/10.1177/1529100620920576>
- Lwanga, S.K., Lemeshow, S., 1991. Sample Size.pdf.
- Magierski, R., Sobow, T., Schwertner, E., Religa, D., 2020. Pharmacotherapy of Behavioral and Psychological Symptoms of Dementia: State of the Art and Future Progress. *Front. Pharmacol.* 11, 1–15. <https://doi.org/10.3389/fphar.2020.01168>
- Mandrek, J.N., 2010. Receiver operating characteristic curve in diagnostic test assessment. *J. Thorac. Oncol.* 5, 1315–1316. <https://doi.org/10.1097/JTO.0b013e3181ec173d>
- Marra, H.L.D., Myczkowski, M.L., Memória, C.M., Arnaut, D., Ribeiro, P.L., Mansur, C.G.S., Alberto, R.L., Bellini, B.B., da Silva, A.A.F., Tortella, G., de Andrade, D.C., Teixeira, M.J., Forlenza, O.V., Marcolin, M.A., 2015. Transcranial Magnetic Stimulation to Address Mild Cognitive Impairment in the Elderly: A Randomized Controlled Study. *Behav. Neurol.* 1–14.
- Michaud, T.L., Siahpush, M., Farazi, P.A., Kim, J., Yu, F., Su, Dejun, Murman, D.L., 2018. The Association between Body Mass Index, and Cognitive, Functional, and Behavioral Declines for Incident Dementia. *J Alzheimers Dis* 66, 1507–1517. <https://doi.org/10.3233/JAD-180278>
- Min, J., Song, J., 2022. Spousal loss and cognitive function: the importance of gender and multiple dimensions of marital quality. *Aging Ment. Heal.* 0, 1–10. <https://doi.org/10.1080/13607863.2022.2084715>

- Min, J.Y., Ha, S.W., Yang, S.H., Kang, M.J., Jeong, D.E., Min, K.B., Kim, B., 2022. Chronic Status of Serum Albumin and Cognitive Function: A Retrospective Cohort Study. *J. Clin. Med.* 11, 1–10. <https://doi.org/10.3390/jcm11030822>
- Morató, X., Pytel, V., Jofresa, S., Ruiz, A., Boada, M., 2022. Symptomatic and Disease-Modifying Therapy Pipeline for Alzheimer's Disease: Towards a Personalized Polypharmacology Patient-Centered Approach. *Int. J. Mol. Sci.* 23. <https://doi.org/10.3390/ijms23169305>
- Murman, D.L., 2015. The Impact of Age on Cognition. *Semin. Hear.* 36, 111–121. <https://doi.org/10.1055/s-0035-1555115>
- Naguib, R., Soliman, E.S., Neimatallah, F.M., AlKhudhairi, N.S., ALGhamdi, A.M., Almosa, R.S., Aldashash, K.A., Alkhalifah, B.Y., Elmorshedy, H., 2020. Cognitive impairment among patients with diabetes in Saudi Arabia: a cross-sectional study. *Middle East Curr. Psychiatry* 27, 1–11. <https://doi.org/10.1186/s43045-020-00058-5>
- Nason, E., 2007. An overview of cardiovascular disease risk assessment. *RAND Eur.* 1–33. <https://doi.org/10.7748/ns.26.13.48.s51>
- Navarro-Orozco, D., Sánchez-Manso, J.C., 2022. Neuroanatomy, Middle Cerebral Artery. StatPearls Publishing.
- Ng, J.B., Turek, M., Hakim, A.M., 2013. Heart disease as a risk factor for dementia. *Clin. Epidemiol.* 5, 135–145.
- Ng, T.P., Feng, L., Niti, M., Yap, K.B., 2008. Albumin, haemoglobin, BMI and cognitive performance in older adults. *Age Ageing* 37, 423–429. <https://doi.org/10.1093/ageing/afn102>
- Ng, T.P., Niti, M., Feng, L., Kua, E.H., Yap, K.B., 2009. Albumin, Apolipoprotein e-ε4 and cognitive decline in community-dwelling chinese older adults. *J. Am. Geriatr. Soc.* 57, 101–106. <https://doi.org/10.1111/j.1532-5415.2008.02086.x>

- Onem, Y., Terekeci, H., Kucukardali, Y., Sahan, B., Solmazgöl, E., Şenol, M.G., Nalbant, S., Sayan, O., Top, C., Oktenli, C., 2010. Albumin, hemoglobin, body mass index, cognitive and functional performance in elderly persons living in nursing homes. *Arch. Gerontol. Geriatr.* 50, 56–59. <https://doi.org/10.1016/j.archger.2009.01.010>
- Oosterman, J.M., Oosterveld, S., Rikkert, M.G.O., Claassen, J.A., Kessels, R.P.C., 2012. Medial temporal lobe atrophy relates to executive dysfunction in Alzheimer's disease. *Int. psychogeriatrics* 24, 1474–1482. <https://doi.org/10.1017/S1041610212000506>
- Overdorp, E.J., Kessels, R.P.C., Claassen, J.A., Oosterman, J.M., 2014. Cognitive impairments associated with medial temporal atrophy and white matter hyperintensities: An MRI study in memory clinic patients. *Front. Aging Neurosci.* 6, 1–9. <https://doi.org/10.3389/fnagi.2014.00098>
- Padda, I.S., Parmar, M., 2022. *Aducanumab*. StatPearls Publishing.
- Panentu, D., Irfan, M., 2013. Uji Validitas Dan Reliabilitas Butir Pemeriksaan Dengan Moteral Cognitive Assessment Versi Indonesia ( MoCA- INA ) Pada Insan Pasca Stroke Fase Recovery. *J. Fisioter.* 13, 55–67.
- 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. *Korean J. Radiol.* 17, 827–845. <https://doi.org/10.3348/kjr.2016.17.6.827>
- Patel, A., Bisio, G.M.N.R., Fowler, J.B., 2022. *Neuroanatomy, Temporal Lobe*. StatPearls Publishing.
- Perhimpunan Dokter Spesialis Saraf Indonesia, 2015. *Panduan Praktik Klinik Diagnosis dan Penatalaksanaan Demensia. PERDOSSI*.
- Phan, K., He, Y., Pickford, R., Bhatia, S., Katzeff, J.S., Hodges, J.R., Piguet, O., Halliday, G.M., Kim, W.S., 2020. Uncovering pathophysiological changes in frontotemporal dementia using serum lipids. *Sci. Rep.* 10, 1–13. <https://doi.org/10.1038/s41598-020-60457-w>

- Pignalosa, F.C., Desiderio, A., Mirra, P., Nigro, C., Perruolo, G., Ulianich, L., Formisano, P., Beguinot, F., Miele, C., Napoli, R., Fiory, F., 2021. Diabetes and cognitive impairment: A role for glucotoxicity and dopaminergic dysfunction. *Int. J. Mol. Sci.* 22, 1–20. <https://doi.org/10.3390/ijms222212366>
- Podcasy, J.L., Epperson, C.N., 2016. Considering sex and gender in Alzheimer disease and other dementias. *Dialogues Clin. Neurosci.* 18, 437–446. <https://doi.org/10.31887/dcns.2016.18.4/cepperson>
- Prodjohardjono, A., Sutarni, S., Setyopranoto, I., 2020a. Kadar Vascular Endothelial Growth Factor (VEGF) dan Brain Derived Neurotrophic Factor (BDNF) yang Tinggi sebagai Faktor Protektif Kejadian Vascular Cognitive Impairment pada Pasien Stroke Iskemik. *Univ. Gadjah Mada. Universitas Gadjah Mada.*
- Prodjohardjono, A., Vidyanti, A.N., Susianti, N.A., Sudarmanta, Sutarni, S., Setyopranoto, I., 2020b. Higher level of acute serum VEGF and larger infarct volume are more frequently associated with post-stroke cognitive impairment. *PLoS One* 15, 1–16. <https://doi.org/10.1371/journal.pone.0239370>
- Putcha, D., McGinnis, S.M., Brickhouse, M., Wong, B., Sherman, J.C., Dickerson, B.C., 2018a. Executive dysfunction contributes to verbal encoding and retrieval deficits in posterior cortical atrophy. *Cortex* 106, 36–46. <https://doi.org/10.1016/j.cortex.2018.04.010>
- Putcha, D., McGinnis, S.M., Brickhouse, M., Wong, B., Sherman, J.C., Dickerson, B.C., 2018b. Executive dysfunction contributes to verbal encoding and retrieval deficits in posterior cortical atrophy. *Cortex* 106, 36–46. <https://doi.org/10.1016/j.cortex.2018.04.010>
- Pyun, J.M., Park, Y.H., Kim, H.R., Suh, J., Kang, M.J., Kim, B.J., Youn, Y.C., Jang, J.W., Kim, S., 2017. Posterior atrophy predicts time to dementia in patients with amyloid-positive mild cognitive impairment. *Alzheimer's Res. Ther.* 9, 1–9. <https://doi.org/10.1186/s13195-017-0326-y>

- Qiu, C., Winblad, B., Marengoni, A., Klarin, I., Fastbom, J., Fratiglioni, L., 2006. Heart failure and risk of dementia and Alzheimer disease: A population-based cohort study. *Arch. Intern. Med.* 166, 1003–1008. <https://doi.org/10.1001/archinte.166.9.1003>
- Raposo Rodríguez, L., Tovar Salazar, D.J., Fernández García, N., Pastor Hernández, L., Fernández Guinea, Ó., 2018. Magnetic resonance imaging in dementia. *Radiol.* (English Ed. 60, 476–484. <https://doi.org/10.1016/j.rxeng.2018.07.004>
- Renjen, P.N., Gauba, C., Chaudhari, D., 2015. Cognitive impairment after stroke. *Cureus* 7, 1–9. <https://doi.org/10.1097/00019052-200202000-00012>
- Roccatagliata, L., 2018. DMT centro disturbi cognitivi e demenze al Policlinico San Martino cosa stiamo già facendo, cosa vorremmo ancora fare, come e perché - *Neuroradiologia. Dip. di Sci. della Salut. Univ. di Genova* *Neuroradiol. IRCCS Osp. Policlin. San Martino.*
- Rodriguez, J.L., Karikari, T.K., Suárez-Calvet, M., Troakes, C., King, A., Emersic, A., Aarsland, D., Hye, A., Zetterberg, H., Blennow, K., Ashton, N.J., 2020. Plasma p-tau181 accurately predicts Alzheimer's disease pathology at least 8 years prior to post-mortem and improves the clinical characterisation of cognitive decline. *Acta Neuropathol.* 140, 267–278. <https://doi.org/10.1007/s00401-020-02195-x>
- Rossor, M.N., Fox, N.C., Mummery, C.J., Schott, J.M., Warren, J.D., 2010. The diagnosis of young-onset dementia. *Lancet Neurol.* 9, 793–806. [https://doi.org/10.1016/S1474-4422\(10\)70159-9](https://doi.org/10.1016/S1474-4422(10)70159-9).
- Ruopp, M.D., Perkins, N.J., Schisterman, B.W.W.E.F., 2008. Youden Index and Optimal Cut-Point Estimated from Observations Affected by a Lower Limit of Detection. *Biom J* 50, 419–430.
- Sacco, R.L., Kasner, S.E., Broderick, J.P., Caplan, L.R., Connors, J.J., Culebras, A., Elkind, M.S.V., George, M.G., Hamdan, A.D., Higashida, R.T., Hoh, B.L., Janis, L.S., Kase, C.S., Kleindorfer, D.O., Lee, J.M., Moseley, M.E.,

- Peterson, E.D., Turan, T.N., Valderrama, A.L., Vinters, H. V., 2013. An updated definition of stroke for the 21st century: A statement for healthcare professionals from the American heart association/American stroke association. *Stroke* 44, 2064–2089. <https://doi.org/10.1161/STR.0b013e318296aeca>
- Sastroasmoro, S., Ismael, S., 2011. *Dasar-Dasar Metodologi Penelitian Klinis*, 4th ed. Sagung Seto, Jakarta.
- Scazufca, M., Almeida, O.P., Vallada, H.P., Tasse, W.A., Menezes, P.R., 2009. Limitations of the Mini-mental state examination for screening dementia in a community with low socioeconomic status : RResults from the Sao Paulo Ageing& health study. *Eur. Arch. Psychiatry Clin. Neurosci.* 259, 8–15. <https://doi.org/10.1007/s00406-008-0827-6>
- Schwall, A.R., 2012. Defining Age and Using Age-Relevant Constructs, *The Oxford Handbook of Work and Aging*. <https://doi.org/10.1093/oxfordhb/9780195385052.013.0080>
- Sedaghat, S., Ji, Y., Hughes, T.M., Coresh, J., Grams, M.E., Folsom, A.R., Sullivan, K.J., Murray, A.M., Gottesman, R.F., Mosley, T.H., Lutsey, P.L., 2023. The Association of Kidney Function with Plasma Amyloid- $\beta$  Levels and Brain Amyloid Deposition. *J. Alzheimer's Dis.* 92, 229–239. <https://doi.org/10.3233/jad-220765>
- Sheehan, B., 2012. Assessment scales in dementia. *Ther. Adv. Neurol. Disord.* 5, 349–358. <https://doi.org/10.1177/1756285612455733>
- Sierra, C., 2020. Hypertension and the Risk of Dementia. *Front. Cardiovasc. Med.* 7, 1–7. <https://doi.org/10.3389/fcvm.2020.00005>
- Streater, A., Aguirre, E., Spector, A., Orrell, M., 2016. Cognitive stimulation therapy for people with dementia in practice: A service evaluation. *Br. J. Occup. Ther.* 79, 574–580. <https://doi.org/10.1177/0308022616659886>
- Su, Y., Dong, J., Sun, J., Zhang, Y., Ma, S., Li, M., Zhang, A., Cheng, B., Cai, S., Bao, Q., Wang, S., Zhu, P., 2021. Cognitive function assessed by Mini-mental state examination and risk of all-cause mortality: a community-



- based prospective cohort study. *BMC Geriatr.* 21, 1–10.  
<https://doi.org/10.1186/s12877-021-02471-9>
- Tremblay, C., Rahayel, S., Vo, A., Morys, F., Shafiei, G., Abbasi, N., Markello, R.D., Gan-Or, Z., Misic, B., Dagher, A., 2021. Brain atrophy progression in Parkinson's disease is shaped by connectivity and local vulnerability. *Brain Commun.* 3, 1–17. <https://doi.org/10.1093/braincomms/fcab269>
- Tzeng, R.C., Yang, Y.W., Hsu, K.C., Chang, H. Te, Chiu, P.Y., 2022. Sum of boxes of the clinical dementia rating scale highly predicts conversion or reversion in predementia stages. *Front. Aging Neurosci.* 14, 1–9.  
<https://doi.org/10.3389/fnagi.2022.1021792>
- Vance, D.E., Bail, J., Enah, C.C., Palmer, J.J., Hoenig, A.K., 2016. The impact of employment on cognition and cognitive reserve: implications across diseases and aging. *Nurs. Res. Rev.* 6, 61–71.
- Velickaite, V., Ferreira, D., Cavallin, L., Lind, L., Ahlström, H., Kilander, L., Westman, E., Larsson, E.M., 2018. Medial temporal lobe atrophy ratings in a large 75-year-old population-based cohort: gender-corrected and education-corrected normative data. *Eur. Radiol.* 28, 1739–1747.  
<https://doi.org/10.1007/s00330-017-5103-6>
- Wahlund, L., Westman, E., Westen, D. Van, Wallin, A., Shams, S., Cavallin, L., Larsson, E., Imaging, F., 2017. Imaging biomarkers of dementia: recommended visual rating scales with teaching cases. *Insights Imaging* 79–90. <https://doi.org/10.1007/s13244-016-0521-6>
- Wang, H.X., Wahlberg, M., Karp, A., Winblad, B., Fratiglioni, L., 2012. Psychosocial stress at work is associated with increased dementia risk in late life. *Alzheimer's Dement.* 8, 114–120.  
<https://doi.org/10.1016/j.jalz.2011.03.001>
- Wang, P., Cai, H., Luo, R., Zhang, Z., Zhang, D., Zhang, Y., 2021. Measurement of Cortical Atrophy and Its Correlation to Memory Impairment in Patients With Asymptomatic Carotid Artery Stenosis Based on VBM-DARTEL. *Front. Aging Neurosci.* 13, 1–12.

<https://doi.org/10.3389/fnagi.2021.620763>

Wannamethee, S.G., Shaper, A.G., Perry, I.J., 1997. Serum Creatinine Concentration and Risk of Cardiovascular Disease. *AHA J.* 28, 557–563.

<https://doi.org/https://doi.org/10.1161/01.STR.28.3.557>

Wei, M., Shi, J., Ni, J., Zhang, X., Li, T., Chen, Z., Zhou, M., Zhang, L., Tan, Z., Wang, Y., Tian, J., 2019. A new age-related cutoff of medial temporal atrophy scale on MRI improving the diagnostic accuracy of neurodegeneration due to Alzheimer ' s disease in a Chinese population 1–8.

Weiler, M., Stieger, K.C., Long, J.M., Rapp, P.R., 2020. Transcranial magnetic stimulation in Alzheimer's disease: Are we ready? *eNeuro* 7, 1–11.

<https://doi.org/10.1523/ENEURO.0235-19.2019>

Widyastuti, R.H., 2009. Pengalaman keluarga merawat lanjut usia dengan stroke di kelurahan Pancoran Mas, Kota Depok, Jawa Barat. Tidak dipublikasikan.

Woodworth, D.C., Sheikh-Bahaei, N., Scambray, K.A., Phelan, M.J., Perez-Rosendahl, M., Corrada, M.M., Kawas, C.H., Sajjadi, S.A., 2022. Dementia is associated with medial temporal atrophy even after accounting for neuropathologies. *Brain Commun.* 4, 1–14.

<https://doi.org/10.1093/braincomms/fcac052>

World Health Organization, 2022a. Dementia [WWW Document]. URL <https://www.who.int/news-room/fact-sheets/detail/dementia> (accessed 5.29.22).

World Health Organization, 2022b. Dementia [WWW Document]. URL <https://www.who.int/news-room/fact-sheets/detail/dementia> (accessed 9.4.22).

World Health Organization, 2019. Risk reduction of cognitive decline and dementia. France.

Xia, X., Wang, R., Vetrano, D.L., Grande, G., Laukka, E.J., Ding, M., Fratiglioni, L., Qiu, C., 2021. From Normal Cognition to Cognitive Impairment and Dementia: Impact of Orthostatic Hypotension.

Hypertension 78, 769–778. <https://doi.org/10.1161/HYPERTENSIONAHA.121.17454>

- Yang, Y.W., Hsu, K.C., Wei, C.Y., Tzeng, R.C., Chiu, P.Y., 2021. Operational Determination of Subjective Cognitive Decline, Mild Cognitive Impairment, and Dementia Using Sum of Boxes of the Clinical Dementia Rating Scale. *Front. Aging Neurosci.* 13, 1–9. <https://doi.org/10.3389/fnagi.2021.705782>
- Yeung, P.Y., Wong, L.L.L., Chan, C.C., Yung, C.Y., Leung, L.M.J., Tam, Y.Y., Tang, L.N., Li, H.S., Lau, M.L., 2020. Montreal cognitive assessment — single cutoff achieves screening purpose. *Neuropsychiatr. Dis. Treat.* 16, 2681–2687. <https://doi.org/10.2147/NDT.S269243>
- Zabihi, F., Abbasi, M.A., Alimoradzadeh, R., 2021. The Association of Serum Albumin Level with Cognition and Daily Function in Patients Undergoing Hemodialysis. *Ann. Rom. Soc. Cell Biol.* 25, 2573–2579.
- Zhuo, L., Pei, J., Yan, Z., Yao, W., Hao, C., Wang, H., 2021. Working life job strain status and cognitive aging in Europe : A 12-year follow-up study. *J. Affect. Disord.* 295, 1177–1183. <https://doi.org/10.1016/j.jad.2021.08.114>
- Zuccalà, G., Onder, G., Pedone, C., Carosella, L., Pahor, M., Bernabei, R., Cocchi, A., 2001. Hypotension and cognitive impairment: Selective association in patients with heart failure. *Neurology* 57, 1986–1992. <https://doi.org/10.1212/WNL.59.4.651>