

DAFTAR PUSTAKA

- Alexander, L. D., Pettersen, J. A., Hopyan, J. J., Sahlas, D. J., & Black, S. E. 2012. Long-term prediction of functional outcome after stroke using the Alberta Stroke Program Early Computed Tomography Score in the subacute stage. *Journal of Stroke and Cerebrovascular Diseases*, 21(8), 737–744.
- Anderson, O., Stolk, R.P., Harskamp, F.V., Pols, H.A.P., Hofman, A., Breteler, M., Diabetes mellitus and the risk of dementia. The Rotterdam Study. *Neurology*. Vol 53:1937-1941
- Aminov, A., Rogers, J. M., Johnstone, S. J., Middleton, S., Wilson, P. H. 2017. Acute single channel EEG predictors of cognitive function after stroke. *PLoS ONE*, 12(10), 1–15.
- Amzica F, Lopes da Silva FH. 2010. Cellular substrates of brain rhythms. In *Niedermeyer's Electroencephalography: Basic Principles, Clinical Applications, and Related Fields*. 6th edition. Edited by Niedermeyer E, Schomer DL, Lopes da Silva FH. Philadelphia: Wolters Kluwer/Lippincott Williams & Wilkins Health:33–64.
- Benbadis, S. R., Lafrance, W. C., & Papandonatos, G. D. (2013). *Interrater reliability of EEG-video monitoring*.
- Bustamante, A., García-Berrocso, T., Rodriguez, N., Llombart, V., Ribó, M., Molina, C., & Montaner, J. 2016. Ischemic stroke outcome: A review of the influence of post-stroke complications within the different scenarios of stroke care. *European Journal of Internal Medicine*, 29, 9–21.
- Bowler JV. Modern concept of vascular cognitive impairment. *Br Med J*. 2007; 335:291-305.
- Cengic, L., Vuletic, V., Karlic, M., Dikanovic, M., Demarin, V. 2011. Motor and cognitive impairment after stroke. *Acta Clin Croat*. 50:463-467.
- Chen, A., Xiong, L. J., Tong, Y., Mao, M., 2013. Neuroprotective effect of brain-derived neurotrophic factor mediated by autophagy through the PI3K/Akt/mTOR pathway. *Molecular Medicine Reports*, 8(4), 1011–1016. <https://doi.org/10.3892/mmr.2013>
- Chobanian, A.V., Bakris, G.L., Black, H. . (2003). The seventh report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure: *The JNC 7 report*.
- Cillessen JP, van Hu elen AC, Kappelle LJ, Algra A, van Gijn.1994. Electroencephalography improves the prediction of functional outcome in the acute stage of cerebral ischemia. *Stroke*, 25:1968–1972.
- Clarke, A. R., Barry, R. J., McCarthy, R., & Selikowitz, M. 2010. {EEG} coherence in children with attention-deficit/hyperactivity disorder: differences between good and poor responders to methylphenidate. *Psychiatry Res*, 180(2–3), 114–119.
- Cummins, T., Broughton, M., Finnigan, S., 2008. Theta oscillations are affected by amnesic mild cognitive impairment and cognitive load. *International Journal of Psychophysiology*. 70:75-81.
- Cumming, T. B., Churilov, L., Linden, T., & Bernhardt, J. 2013. Montreal cognitive assessment and mini-mental state examination are both valid cognitive tools in stroke. *Acta Neurologica Scandinavica*, 128(2), 122–129.
- Cumming, T. B., Marshall, R. S., & Lazar, R. M. (2013). Stroke, cognitive deficits, and

- rehabilitation: Still an incomplete picture. *International Journal of Stroke*, 8(1).
- Cuspineda, E., Machado, C., Aubert, E., Galán, L., Liopis, F., & Avila, Y. 2003. Predicting Outcome in Acute Stroke: A Comparison between QEEG and the Canadian Neurological Scale. *Clinical EEG and Neuroscience*, 34(1), 1–4.
- Cuspineda, E., Machado, C., Galán, L., Aubert, E., Alvarez, M. A., Llopi, F., Ávila, Y. 2007. QEEG Prognostic Value in Acute Stroke. *Clinical EEG and Neuroscience*, 38(3), 155–160.
- Dahlan, M.S., 2017. *Statistik Untuk Kedokteran dan Kesehatan*. Epidemiologi Indonesia. Jakarta Timur. Seri 1 Edisi 6.
- Danovska, M., Stamenov, B., Alexandranova, M., Psychinska, D. 2012. Post stroke cognitive impairment phenomenology and prognostic factors. *Journal of IMAB*. Vol 18(3)290-297.
- De Bruijn, R. F. A. G., & Ikram, M. A. 2014. Cardiovascular risk factors and future risk of Alzheimer's disease. *BMC Medicine*, 12(1), 1–9.
- Demeestere, J., Scheldeman, L., Cornelissen, S.A., Heye, S., Wouters, A., Dupont, P. et al., 2018. Alberta Stroke Program early CT Score Versus Computed Tomographic Perfusion to Predict Functional Outcome After Successful reperfusion in Acute Ischemic Stroke. *Stroke*. Vol 49:2361-2367.
- De, Ronchi, D., Palmer, K., Pioggiosi, P., Atti, A. R., Berardi, D., Ferrari, B., Dalmonte, E., & Fratiglioni, L. 2007. The combined effect of age, education, and stroke on dementia and cognitive impairment no dementia in the elderly. *Dement. Geriatr. Cogn Disord.*, 24(4), 266-273.
- Desmond, D.W. 1996. Recovery of Cognitive Function After Stroke. *Stroke*. 44, pp 138-146.
- Desmond, D>W., Moroney, J.T., Sano, M., Stern, Y., 2002. Mortality in patient with dementia after ischemic stroke. *NEUROLOGY*. 59:537-542.
- Dichgans, M., & Leys D. 2017. Vascular Cognitive Impairment. *Circulation Research*, 120(3), 573–591
- Dong, Y., Slavin, M. J., Chan, B. P.-L., Venketasubramanian, N., Sharma, V. K., Collinson, S. L., et al. 2014. Improving screening for vascular cognitive impairment at three to six months after mild ischemic stroke and transient ischemic attack. *International Psychogeriatrics*, 26(5), 787–793
- Douiri, A., Rudd, A.G & Wolfe C.D.A. 2013. Prevalence of Post Stroke Cognitive Impairment. *Stroke*, (44), pp. 138-146.
- Dubovik, S., Ptak, R., Aboulafia, T., Magnin, C., Gillabert, N., Allet, L., et al. 2013. EEG Alpha band synchrony predicts cognitive and motor performance in patients with ischemic stroke. *Behavioural Neurology*. 26:187-189.
- Elbaz, A., Vincente, V., Tavernier, B. 2013. Motor Function in the Elderly: Evidence for reserve hypothesis. *Neurology*, 81 (5).
- Elkins, J. S., O'Meara, E. S., Longstreth, W. T., Jr., Carlson, M. C., Manolio, T. A., & Johnston, S. C. 2004. Stroke risk factors and loss of high cognitive function. *Neurology*, 63(5), 793-799.
- Fanciullacci, C., Bertolucci, F., Lamola, G., Panarese, A., Artoni, F., Micera, S., et al. 2017. Delta Power Is Higher and More Symmetrical In Ischemic Stroke Patient with Cortical Involvement. *Frontiers in Human neuroscience*. Volume 11:385.

- Faught, E. 1993. Current role of electroencephalography in cerebral ischemia. *Stroke*. 24:609-613.
- Federico, A., Guekht, A., & Brainin, M. 2013. Current perspectives in post-stroke cognitive impairment. *European Neurological Review*, 8(2), 136–140.
- Feigin, V.L. 2013. Global and regional burden of stroke during 1990-2010: findings from global burden of disease study 2010. *The Lancet*.
- Finnigan, S. P., Walsh, M., Rose, S. E., and Chalk, J. B. 2007. Quantitative EEG indices of sub-acute ischemic stroke correlate with clinical outcomes. *Clin. Neurophysiol.* 118, 2525–2532. doi: 10.1016/j.clinph.2007.07.021
- Finnigan S, Robertson IH. 2011 Resting EEG theta power correlates with cognitive performance in healthy older adults. *Psychophysiology* 48:1083-1087.
- Finnigan, S., Wong, A., Read, S., 2015 Defining abnormal slow EEG activity in acute ischemic stroke: Delta/alpha ratio as an optimal QEEG index. *Clinical Neurophysiology*. <http://dx.doi.org/10.1016/j.clinph.2015.07.014>
- Frasser, J.S., Zhao, C. 2002. The age related decrease in CNS remyelination efficiency is attributable to an impairment of both oligodendrocyte progenitor recruitment and differentiation. *Journal of Neuroscience*. Vol 22 (7):2459
- Finnigan, S., Wong, A., & Read, S. (2016). Defining abnormal slow EEG activity in acute ischaemic stroke: Delta/alpha ratio as an optimal QEEG index. *Clinical Neurophysiology*, 127(2), 1452
- Foreman, B., and Classen, J. 2012. Quantitative EEG for the detection of brain ischemia. *Crit Care*. 16:216.
- Gawel M, Zalewska E, Szmjdt-Salkowska E, Kowalski J (2009) The value of quantitative EEG in differential diagnosis of Alzheimer's disease and subcortical vascular dementia. *J Neurol Sci* 283:127-133.
- Godefroy, O., Fickl, A., Roussel, M., Auribault, C., Bugnicourt, J. M., Lamy, C., Petitnicolas, G. (2011). Is the montreal cognitive assessment superior to the mini-mental state examination to detect poststroke cognitive impairment?: A study with neuropsychological evaluation. *Stroke*, 42(6), 1712–1716.
- Gofir, A., Mulyono B., Sutarni, S., 2017. Hyperglycemia as a prognosis predictor of length of stay and functional outcomes in patients with acute ischemic stroke. *International Journal of Neuroscience*. Taylor & Francis, 127(10), pp.923-929. Available from DOI: 10.1080/00207454.2017.1280793.
- Gorelick, P.D. 2004. Risk factor for vascular dementia and alzheimer disease. *Stroke*. 35:2620-2622.
- Gorelick, P.B, Scuteri, A., Black, S.E. 2011. Vascular contributions to cognitive impairment and dementia: a statement for healthcare professionals from the American Heart Association/American Stroke Association. *Stroke*. 42:2672-713.
- Grace M, Jacob KJ, Kumar AV, Shamer V.K.2016. Role of dyslipidemia in stroke and comparison of lipid profile in ischemic and hemorrhagic stroke-a case control study. *Int J Adv Med*. 3:694-
- Gur AY, Treves TA, 1996 .Do silent brain infarctions predict the development of dementia after first ischemic stroke? *Stroke* 1996; 27:904 –905
- Hiele, K., Vein, A. A., van der Welle, A., van der Grond, J., Westendorp, R. G. J., Bollen, E. L. E. M., Middelkoop, H. A. M. 2007. EEG and MRI correlates of mild cognitive impairment and Alzheimer's disease. *Neurobiology of Aging*, 28(9), 1322–1329.

- Hill, M. D., Demchuk, A. M., Goyal, M., Jovin, T. G., Foster, L. D., Tomsick, T. A., *et al.*, 2013. Alberta Stroke Program Early Computed Tomography Score to Select Patients for Endovascular Treatment. *Stroke*, 45(2), 444–449. <https://doi.org/10.1161/strokeaha.113.003580>
- Huang, Y., Yang, S., Jia, J. 2015. Factors related to Long Term Post Stroke Cognitive Impairment in Young Adult Ischemic Stroke. *Med Science Monitor*. Vol 21:654-660
- Huo, Q., Guan, Y., Yu, W., Liu, X., Wu, L., Xiao, M., *et al.* 2015. Associations between obesity and cognitive impairment in Chinese elderly: an observational study. *Clinical Interventions in Aging*. 14:367-373.
- Hugo, J., & Ganguli, M. 2014. Dementia and Cognitive Impairment. Epidemiology, Diagnosis, and Treatment. *Clinics in Geriatric Medicine*, 30(3), 421–442.
- Hurford, R., Charidimou, A., Fox, Z., Cipolotti, L., Werring, D.J. 2013. Domain specific trends in cognitive impairment after acute ischemic stroke. *J Neurology*. 260:237-241.
- Iadecola, C. 2013. The Pathobiology of Vascular Dementia. *Neuron*, 80(4), 844–866.
- Iadecola, C., Yaffe, K., Biller, J., Faraci, F.M., Gorelick, P.B., Gulati, P.B *et al.*, 2016. Impact of Hypertension on Cognitive Function: A Scientific Statement From The American Heart Association. *Hypertension*. 68(6):e67-e94.
- Jelic V, Johansson Se, Almkvist O, Shigeta M, Julin P, Nordberg A, Winblad B, Wahlund LO. 2000. Quantitative electroencephalography in mild cognitive impairment: longitudinal changes and possible prediction of Alzheimer's disease. *Neurobiol Aging* 21:533-540.
- Jellinger, K. A. 2007. The enigma of vascular cognitive disorder and vascular dementia. *Acta Neuropathologica*, 113(4), 349–388. <https://doi.org/10.1007/s00401-006-0185-2>
- Jellinger, K. A. 2013. Pathology and pathogenesis of vascular cognitive impairment-a critical update. *Frontiers in Aging Neuroscience*, 5(APR), 1–19.
- Jellinger, K. A. 2014. Pathogenesis and treatment of vascular cognitive impairment, 4, 471–490. *Neurodegenerative Disease Management*. 4 (6):471-490
- Jordan KG (2004) Emergency EEG and continuous EEG monitoring in acute ischemic stroke. *J Clin Neurophysiol* 21:341-352.
- Kaplan PW, Rossetti AO. 2011. EEG patterns and imaging correlations in encephalopathy: encephalopathy part II. *J Clin Neurophysiol*;28:233–51.
- Khakshour, M. (2015). *all things about QEEG* (Rochester Institute of Technology). 30–37.
- Khan, M., Baird, G. L., Goddeau, R. P., Silver, B., & Henninger, N. 2018. Alberta stroke program early CT score infarct location predicts outcome following M2 occlusion. *Frontiers in Neurology*, 8(MAR), 1–6. <https://doi.org/10.3389/fneur.2017.00098>
- Kalaria, R.N (2012)..Cerebrovascular disease and mechanism of cognitive impairment. Evidence from clinicopathological studies in humans. *Stroke*. 43(9):2526-2534.
- Kanda, P.A., Anghinah, R., Smidth, M.T., Silva, J.M. 2009. The clinical use of quantitative EEG in cognitive disorders. *Dementia and Neurophysiologia*. Vol 3(3):195-203

- Khoirunnisa, N., Paryono, Wibowo, S. 2016. Kadar Apolipoprotein A1 rendah sebagai faktor risiko terjadinya gangguan kognitif pada pasien stroke iskemik. *Tesis*. Program Pasca Sarjana Univeritas gadjah Mada.
- Klimesch, W., 1999. EEG Alpha and theta osillations reflect cognitive and memory performance: a review and analysis. *Brain research review*. Vol 29:169-195.
- Kwok, C.S. et al., 2011. Atrial fibrillation and incidence of dementia: A systematic review and meta-analysis. *Neurology*, 76(10), pp.914–922.
- Laman DM, Wieneke GH, van Duijn H, Veldhuizen RJ, van Hu elen AC: QEEG changes during carotid clamping in carotid endarterectomy: spectral edge frequency parameters and relative band power parameters. *J Clin Neurophysiol* 2005, 22:244–252.
- Lee, M. J., Seo, S. W., Na, D. L., Kim, C., Park, J. H., Kim, G. H., Weiner, M. W. 2014. Synergistic effects of ischemia and β -amyloid burden on cognitive decline in patients with subcortical vascular mild cognitive impairment. *JAMA Psychiatry*, 71(4), 412–422.
- Leys D, Henon H, Mackowiak- Cordoliani MA, Pasquier. 2005. Poststroke dementia. *Lancet Neurol*. Nov; 4(11):752-759
- Li, R., Wang, T., Lyu, P., Liu, Y., Chen, W., Fan, M., 2018. Effect of Plasma Lipids and Statins on Cognitive Function. *Chinese Medical Journal*. 131, p471-476.
- Loeb, C. (1988). Clinical criteria for the diagnosis of vascular dementia. *Eur.Neurol.*, 28(0014–3022), 87–92.
- Lu, D., Li, P., Zhou, Y., Xu, X., Zhang, H., Liu, L, et al. 2016. Association between serum non high density lipoprotein cholesterol and cognitive impairment in patients with acute ischemic stroke. *BMC Neurology*. 16:154.
- Lu, X., Williams, A., Tortella, F. 2001. Quantitative electroencephalography spectral analysis and topographic mapping in a rat model of middle cerebral artery occlusion. *Neuropathol. Appl. Neurobiol*. 27, 481-495.
- Lynden, P.D., Wahlgren, N.G. 2009. Mechanism action of neuroprotectants in stroke. *Journal of stroke and cerebrovasc disease*. 9(6):9-14.
- Machado, C., Cuspidada, E., Valdés, P., Virues, T., Llopis, F., Bosch, J., et al. (2004). Assessing acute middle cerebral artery ischemic stroke by quantitative electric tomography. *Clin. Electoencephalogr. Neurosci*. 35, 116–124. doi: 10.1177/155005940403500303
- Makin, S. D., Turpin, S., Dennis, M. S., & Wardlaw, J. M. 2013. Cognitive impairment after lacunar stroke: systematic review and meta-analysis of incidence, prevalence and comparison with other stroke subtypes. *J Neurol Neurosurg Psychiatry*.
- Malone, A., Ryan, C.A, Fitzgerald, A., Burgoyne, L., Connolly, S., Boylan, G., Interobserver agreement in neonatal seizure identification. *Epilepsia*. 50(9):2097-2101.
- Medeiros, A. P., Anghinah, R., Smidth, M. T., & Silva, J. M. 2009. The clinical use of quantitative EEG in cognitive disorders. *Dement Neuropsychol*, 3(3), 195–203.
- Mizrahi. E.M., Yoshor, D. 2012. *Clinical Brain Mapping*. Mc Graw Hill. ISBN 978-0-07-180596-4.
- Mimenza, A.J., Alvarado., Brito, C.G., Gareri, P., Navarro, S.G., Sandoval, L., 2017. Latin American Delphi Consensus on Vascular Cognitive Impairment :

- Definitions, Clinical Features, Patophysiology, Prevention and Treatment. *Journal of Neurology and Neurosience*. Vol 8 No 5: 224.
- Moretti, D. V., Miniussi, C., Frisoni, G., Zanetti, O., Binetti, G., Geroldi, et al. 2007. Vascular damage and EEG markers in subjects with mild cognitive impairment. *Clinical Neurophysiology*, 118(8), 1866–1876.
- Moretti, R., Torre, P., Antonello, R. M., Manganaro, D., Vilotti, C., & Pizzolato, G. (2008). Risk factors for vascular dementia: hypotension as a key point. *Vasc. Health Risk Manag.*, 4.
- Mozaffarian, D., Benjamin, E. J., Go, A. S., Arnett, D. K., Blaha, M. J., Cushman, M., et al. 2016. Heart disease and stroke statistics-2016 update a report from the American Heart Association. *Circulation* Vol. 133.
- Muresanu, D.F., Alvarez, X.A., Moessler, H., Buia, M., Stan, A., Pintea, D., et al. 2008. A pilot study to evaluate the effects of cerebrolysin on cognition and qEEG in vascular dementia: cognitive improvement correlates with qEEG acceleration. *J. of Neurological Science*. 267:112-119.
- Nasreddine, Z. S., Phillips, N. A., Bédirian, V., Charbonneau, S., Whitehead, V., Collin, I., Chertkow, H. (2005). The Montreal Cognitive Assessment, MoCA: a brief screening tool for mild cognitive impairment. *J Am Geriatr Soc*, 53(4), 695–699.
- National Stroke Foundation of Australia, 2010. *Clinical Guidelines for Stroke Management*. p 26.
- National Stroke Foundation of Australia, 2014. *Clinical Guidelines for Stroke Management*. p 12.
- National Stroke Foundation of Australia, 2015. *Types of stroke*. Vol. 2015.
- National Stroke Foundation, 2013. *The economic impact of stroke in Australia*. 2013. Deloitte Access Economics Pty Ltd
- Niedermeyer, E., and Da Silva, F.L., 2005. *Electroencephalography: Basic Principles, clinical applications, and related fields*. Philadelphia, PA: Lippincott, Williams & Wilkins.
- Ninomiya T, Li Q, Cooper ME, Colagiuri S. 2014. Association of HbA1c levels with vascular complications and death in patients with type 2 diabetes: evidence of glycaemic thresholds. *Diabetologia*;55:636-43.
- Nyenhuis, D., & Gorelick, P. 2007. Diagnosis and management of vascular cognitive impairment. *Current Atherosclerosis Reports*, 9(4), 326–332.
- Nys, G.M.S., Zandvoort, M.J.E., Kort, P.L.M., jansen, B.P.W., Worp, H.B., Kappelle, L.J. 2005. Domain specific cognitive recovery after first ever stroke: a follow up study of 111 cases. *Journal of the international neuropsychological society*. 795-806.
- Nys, G.M.S., Zandvoort, MJE., Worp, H.B., Haan, EHF., Kort, PLM., Jansen, BPW., Kappelle, LJ. 2006. Early cognitive impairment predicts longterm depressive symptoms and quality of life after stroke. *J NeurolSci*. Vol 247(2)149-156.
- Nys, G.M.S., Zandvoort, M.J.E., Kort, P.L.M., jansen, B.P.W., Haan, E.H.F., Kappelle, L.J. 2007. Cognitive disorders in acute stroke: prevalence and clinical determinants. *Cerebrovascular Dis*. Vol 23:408-416.
- O'Brien, J. T., Erkinjuntti, T., Reisberg, B., Roman, G., Sawada, T., Pantoni, LDeKosky, S. T. 2003. Vascular cognitive impairment. *The Lancet Neurology*, 2(2), 89–98.
- O'Brien, M. D. 1993. Vascular dementia reconsidered: Part I. *Cerebrovascular Diseases*, 3, 24–25.

- Ohara, T., Doi, Y. & Ninomiya, T., 2011. Glucose tolerance status and risk of dementia in the community : Glucose tolerance status and risk of dementia in the community The Hisayama Study. *Neurology*, 77,pp. 1126-1134.
- Ojala-Oksala, J., Jokinen, H., Kopsi, V., Lehtonen, K., Luukkonen, L., Paukkunen, A.2012. Educational history is an independent predictor of cognitive deficits and long-term survival in postacute patients with mild to moderate ischemic stroke. *Stroke*, 43(11), 2931-2935.
- Okamoto, M., Dan, H., Sakamoto, K., Takeo, K., Shimizu, K., Kohno, S., et al., 2004. Three-dimensional probabilistic anatomical cranio-cerebral correlation via the international 10-20 system oriented for transcranial functional brain mapping. *Neuroimage*, 21, 99-111
- Ovbiagele, B., Nguyen-Huynh, M. N. 2011. Stroke Epidemiology: Advancing Our Understanding of Disease Mechanism and Therapy. *Neurotherapeutics*. <https://doi.org/10.1007/s13311-011-0053-1>.
- Panditha, G.S., Sutarni, S., Nuradyo, D. 2005. Gambaran quantitative electroencephalography sebagai prediktor respon terapi methylphenidate dalam penatalaksanaan ADHD pada anak. *Tesis*. Program Pasca Sarjana Universitas Gadjah Mada Yogyakarta.
- Pasi M, Poggesi A, Salvadori E, Pantoni L. 2012. Post-stroke dementia and cognitive impairment. *Front Neurol Neurosci*. 30:65-9.
- Pasi, M., Salvadori, E., Poggesi, A., Inzitari, D., & Pantoni, L. 2013. Factors predicting the Montreal cognitive assessment (MoCA) applicability and performances in a stroke unit. *Journal of Neurology*, 260(6), 1518–1526.
- Pendlebury, S.T., and Rothwell, P.M., 2009. Prevalence, incidence, and factors associated with pre-stroke and post-stroke dementia: a systematic review and meta-analysis. *Lancet Neurol*; 8:1006-1018.
- Pendlebury, S.T., Cuthbertson, F.C., Welch, S.J.V., Mehta, Z., Rothwell, P.M., 2010. Underestimation of cognitive impairment by Mini-Mental State Examination versus the Montreal Cognitive Assessment in patients with transient ischemic attack and stroke a population-based study. *Stroke*, 41:1290-1293.
- Pendlebury, S.T., Markwick, A., de Jager, C.A., Zamboni, G., Wilcock, G.K., Rothwell, P.M., 2012. Differences in cognitive profile between TIA, Stroke and elderly memory research subjects: A Comparison of the MMSE and MoCA. *Cerebrovasc Dis*; 34:48-54.
- Perkeni, P. B. 1998. Konsensus Pengelolaan Diabetes Melitus di Indonesia. *Denpasar: PB. Perkeni*, (Dm), 1–26.
- Pereira, E.M., Rueda, F.M., Montero, F.M., Ibanez, J., Serrano J.I., Diego, IM., et al., 2014. Electroencephalography as a post stroke assesment methode: an Update Review. *Neurologia*. 32(1):40-49.
- Petersen, R.C., Smith, G.E., Waring, S.C., Ivnik, R.J., Kokmen, E., Tangelos, E.G., 2012. Aging, memory, and mild cognitive impairment. *International psychogeriatrics*, 9(Suppl) 1:65-69.
- Pinzon, R.T., Adnyana, K.S.G., Sanyasi, R.D.L. 2016. Profil Epidemiologi Stroke: Gambaran Tentang Pola Demografi, Faktor Risiko, Gejala Klinik, dan Luaran Klinis Pasien Stroke. *Betha Grafika Yogyakarta*.

- Pohjasvaara, T., Erkinjuntti, T., Ylikoski, R., Hietanen, M., Vataja, R., & Kaste, M. 1998. Clinical determinants of poststroke dementia. *Stroke*, 29(1), 75–81.
- Ram, R., Kaul, S., Alladi, S., Afshan, J.S., Suryaprabha, Kohat, A. 2017. Risk Factor, Vascular Lesion Distribution, Outcome and Recurrence of Strokes Due to Intracranial Atherosclerosis : One Year Data from Hyderabad Stroke Registry: *Annals of Indian Academy of Neurology*, 20(4), 387-392.
- Reed B, Villeneuve S, Mack W, DeCarli C, Chui HC, Jagust W. 2014. Associations between serum cholesterol levels and cerebral amyloidosis. *JAMA Neurol* ;71:195–200.
- Reddy, P. H., Campus, S. W., & Sciences, H. (2018). HHS Public Access, 57(4), 969–974.doi:10.3233/JAD-170256.A.
- Riyanto B. 1990. Dasar-dasar Neurometri, UPF Mental Organik, RS. Jiwa Pusat Bogor.
- Roman, GC., Tatemichi TK., Erkinjuntti T, Cummings JL., Masdeu, JC., Garcia, JH. 1993. Vascular dementia:diagnostic criteria for research studies. *Report of the NINDS-AIREN International Workshop Neurology*. 43(2):250-260.
- Renjen, P.N., gauba, C. & Chaudari, D., 2015. Cognitive Impairment After Stroke. *Cureus*, 7(9), pp 1-9.
- Rincon, F., & Wright, C. B. 2014. Current pathophysiological concepts in cerebral small vessel disease. *Frontiers in Aging Neuroscience*, 6(MAR), 1–8.
- Rusanen, M., Kivipelto, M., Quesenberry, C.P., Zhou, J., Rachel, Whitmer. 2011. Heavy smoking in midlife and long term risk oof alzheimer disease and vascular dementia. *Arch Intern Medicine*. 171(4);333-339.
- Rosenberg, G. A. 2016. Vascular cognitive impairment: Biomarkers in diagnosis and molecular targets in therapy. *Journal of Cerebral Blood Flow and Metabolism*, 36(1),
- Rothenburg, L.S., Herrmann, N., Swardfager, W., Black, S.E., Tennen, G., Kiss, A., 2010. The relationship between inflammatory markers and post stroke cognitive impairment. *Journal Of Geriatric Psychiatric and Neurology*, 23(3),199-205.
- Sacdev, P., Kalaria, R., Brien, J.O., Skoog I., Alladi, S.,Black, S.E., Diagnostic Criteria for vaskular cognitive disorder : Avascog statement. *NIH Public Access*. 28 (3):206-218.
- Saczynski JS, Sigurdsson S, Jonsdottir MK, Eiriksdottir G, Jonsson PV, Garcia ME, et al. 2009. Cerebral infarcts and cognitive performance: importance of location and number of infarcts. *Stroke* 40:677–682
- Schuijt TJ, Van Der Poll T, Wiersinga WJ. 2012. *Annual update in intensive care and emergency medicine*;. p. 29–37.
- Schleiger, E., Sheikh, N., Rowland, T., Wong, A., Read, S., Finnigan, S., 2014. Frontal EEG delta/alpha ratio and screening for post stroke cognitive deficits : The power of four electrodes. *International Journal of Pyscophysiology*, 94(214) 19-24.
- Schneider, J., & Bennett, D. 2010. Where Vascular Meets Neurodegenerative Disease. *Journal of Cerebral Circulation*, 41(10), S144.
- Setyopranoto, I., 2000. *Peranan Stroke Iskemik Akut Terhadap Timbulnya Gangguan Fungsi Kognitif di RSUP Dr Sardjito Yogyakarta. Tesis*. Program Pasca Sarjana Univeritas gadjah Mada.
- Seshadri, S., Beiser, A., Hayes, M.K., Kase, C.S., Au, R., Kennel, W. 2016. The Lifetime Risk of Stroke Estimates From The Framingham Study. *Stroke*.37:345-350.

- Sharbrough FW, Messick Jr JM, Sundt Jr TM. 1973. Correlation of continuous electroencephalograms with cerebral blood flow measurements during carotid endarterectomy. *Stroke*.4:674–83.
- Shi, Q., Yang, J., Cao, J., Tanaka, T., Wang, R., & Zhu, H. 2011. EEG data analysis based on EMD for coma and quasi-brain-death patients. *Journal of Experimental and Theoretical Artificial Intelligence*, 23(1), 97–110.
- Shin, S. B., Kim, T.U., Hyun, J.K. 2015. The Prediction of Clinical Outcome Using HbA1c in Acute Ischemic Stroke of the Deep Branch of Middle Cerebral Artery. *Annals of Rehabilitation Medicine*, 39 (6), 1011-1017.
- Sheorajpanday, R. V., Nagels, G., Weeren, A. J., and De Deyn, P. P. 2011. Quantitative EEG in ischemic stroke: correlation with infarct volume and functional status in posterior circulation and lacunar syndromes. *Clin. Neurophysiol.* 122, 884–890. doi: 10.1016/j.clinph.2010.08.020
- Sheorajpanday RVA, Marien P, Nagels G, Weeren A, Saerens J, van Putten M, De Deyn PP. 2014. Subcortical vascular cognitive impairment, no dementia: EEG global power independently predicts vascular impairment and brain symmetry index reflects severity of cognitive decline. *J Clin Neurophysiol* 31:422-428.
- Skoog, I., Lernfelt, B., Landahl, S., Palmertz, B., Andreasson, L. A., Nilsson, L., Persson, G., et al.1996. 15-year longitudinal study of blood pressure and dementia. *Lancet*, 347(9009), 1141-1145.
- Smajlovic, D. 2015. Stroke in Young Adults: Epidemiology and Prevention. Dove Press J: *Vascular Health and Risk Management*; 11:157-164.
- Solomon,A., Kareholt, I., Ngandu, T., Wolozin, B., Macdonald. SW., Winblad, B., et al., 2009. Serum Total Cholesterol, statin and cognition In non demented elderly. *Neurobiol Aging*. 2009 (30): 006-009
- Srikanth, V.K., Thrift, A.G., Saling, M.M., Anderson, J.F.I., Dewey, H.M., Macdonell, R.A.L., Donnan, G.A.2003. Community-Based Prospective Study of Non-aphasic English-Speaking Increased risk of cognitive impairment 3-months after mild to moderate first-ever stroke: a Community-Based Prospective Study of Nonaphasic English-Speaking Survivors. *Stroke*, 34:1136-1143.
- Song, Y., Zang, D.W., Jin, Y., Wang, Z.J., Ni, H.Y., Yin, J.Z. 2015. Background Rythm Frequency and Theta Power of quantitative EEG Analysus: Predictive Biomarkers for Cognitive Impairment Post Cerebral Infarct. *Clinical EEG and Neuroscience*. Vol 46(2)142-146.
- Stanimirovic, D. B., & Friedman, A. 2012. Pathophysiology of the neurovascular unit: Disease cause or consequence. *Journal of Cerebral Blood Flow and Metabolism*, 32(7), 1207–1221.
- Stephan, B. C. M., Minett, T., Terrera, G. M. uni., Matthews, F. E., & Brayne, C. 2015. Dementia prediction for people with stroke in populations: is mild cognitive impairment a useful concept? *Age and Ageing*, 44(1), 78–83.
- Stephan, B. C., Matthews, F. E., Khaw, K.-T., Dufouil, C., & Brayne, C. 2009. Beyond mild cognitive impairment: vascular cognitive impairment, no dementia (VCIND). *Alzheimer's Research & Therapy*, 1(1), 4.
- Stephens, S., Kenny, R.A., Rowan, E., Allan, L., Kalaria, R.N., Bradbury, M., Ballard, C.G., 2004. Neuropsychological characteristics of mild vascular cognitive impairment and dementia after stroke. *Int J Geriatr Psychiatry*, 19:1053-1057.

- Sun, J., Tan, L., & Yu, J. 2014. Post-stroke cognitive impairment : epidemiology , mechanisms and management. *Annals of Translational Medicine*. 2(6).
- Swartz, R. H., Sahlas, D. J., & Black, S. E. 2003. Strategic involvement of cholinergic pathways and executive dysfunction: Does location of white matter signal hyperintensities matter? *Journal of Stroke and Cerebrovascular Diseases*, 12(1)
- Tang, W.K., Chan, S.S.M., Chiu, H.F.K., Ungvari, G.S., Wong, K.S., Kwok, T.C.Y., Mok, V., Wong, K.T., Richards, P.S., Ahuja, A.T., 2006. Frequency and clinical determinants of poststroke cognitive impairment in nondemented stroke patients. *Journal of Geriatric Psychiatry and Neurology*, 19:65-71.
- Tatemichi, T. K., Desmond, D. W., Stern, Y., Paik, M., Sano, M., & Bagiella, E. 1993. Cognitive impairment after stroke: Frequency, patterns, and relationship to functional abilities. *Journal of Neurology Neurosurgery and Psychiatry*, 57(2), 202–207.
- Teasell, R., Salter, K., Faltynek, P., Cotoi, A., & Eskes, G. 2018. Post-Stroke Cognitive Disorders. *Evidence-Based Review of Stroke Rehabilitation*, 1–86.
- Teri, A., Manolio., Olson., Longstreth, W.T., 2003. Hypertension and Cognitive Function : Patophysiologic Effects of Hypertension on the brain. *Current Hypertension Reports*. Vol 5:255-261.
- Teodora., Traykov, A., Petrova, J., Gruev, I., Vassilev, D. 2017. Screening for mild cognitive impairment in patientwith cardiovascular risk factor. *Neurophysiatric disease and treatment*. Vol 13:2925-2934.
- Tomimoto, H., Ohtani, R., Shibata, M., Nakamura, N., & Ihara, M. 2005. Loss of cholinergic pathways in vascular dementia of the binswanger type. *Dementia and Geriatric Cognitive Disorders*, 19(5–6), 282–288.
- Venketasubramanian, N., Yoon, B. W., Pandian, J., Navarro, J. C. 2017. Stroke Epidemiology in South, East, and South-East Asia: A Review. *Journal of Stroke*, 19(3), 286–294. <https://doi.org/10.5853/jos.2017.00234>
- Wall, K.J., Isaacs, M.L., Copland, D.A., Cumming, T.B., 2015. Assessing cognition after stroke. Who misses out? A systematic review. *International journal of stroke*, 10:665-671.
- Wahul, A. B., & Joshi, P. C. 2018. Association of Diagnostic Stroke Biomarkers with Post Stroke Cognitive Impairment. *J. of Neurological Disorder and Stroke*. Vol 6(1):1134.
- Wang, H., Naghavi, M., Allen, C., Barber, R. M., Carter, A., Casey, D. C., et al.2016. Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980–2015: A Systematic Analysis for the Global Burden of Disease Study 2015. *The Lancet*, 388(10053), 1459–1544.
- Wang, Y., Zhang, X., Huang, J., Zhu, M., Guan., Q.,Liu, C. 2012. Associations between EEG Beta Power Abnormality and Diagnosis in Cognitive Impairment Post Cerebral Infarct. *J Mol Neuroscience*. 49:632-638.
- WHO, 2011. Use of Glycated Haemoglobin (HbA1c) in the diagnosis of diabetes mellitus, abbreviated report of WHO consultation. *WHO/NMH/CPM.11.1*
- Wu, Y., Wang, M., Ren, M. 2013. The effects of educational background on Montreal Cognitive Assessment screening for vascular cognitive impairment, no dementia, caused by ischemic stroke. *J Clin Neurosci*; 20:1406-10

- Wu, J., Srinivasan, R., Quinlan, E. B., Solodkin, A., Small, S.L., Cramer, S.C. 2016. Utility of EEG measure of brain function in patient with acute stroke. *J. Neurophysiol.* 115:2399-2405.
- Yaffe, K., Blackwell, T., Whitmer, R.A., Krueger, K., Connor, B.E. 2006. Glycosylated Hemoglobin level and development of mild cognitive impairment or dementia in older women. *J Nutr Health Aging*. Vol 10 (4): 293-5.
- Yang, T., Zhengyu, Y.S., Rehana, L., Leak, F. 2016. The impact of cerebrovascular aging on vascular cognitive impairment and dementia. *Ageing Research Review*. <http://dx.doi.org/doi:10.1016/j.arr.2016.09.007>
- Yates, K. F., Sweat, V., Yau, P. L., Turchiano, M. M., & Convit, A. 2012. Impact of metabolic syndrome on cognition and brain: A selected review of the literature. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 32(9), 2060–2067.
- Yudiyanta, 2007. Mengenal Electroencefalografi (EEG) Normal dan Artefak. Sub bagian Neurofisiologi Klinis Bagian IP Saraf RSUP dr Sardito, Yogyakarta.
- Zhou, D.H.D. et al., 2004. Study on frequency and predictors of dementia after ischemic stroke: The chongqing stroke study. *Journal of Neurology*, 251(4), pp.421–427.
- Zhao, L., Biesbroek, J. M., Shi, L., Liu, W., Kuijf, H. J., Chu, W. W., Wong, A. (2018). Strategic infarct location for post-stroke cognitive impairment: A multivariate lesion-symptom mapping study. *Journal of Cerebral Blood Flow & Metabolism*, 38(8), 1299–1311. <https://doi.org/10.1177/0271678X17728162>
- Zulkifly, M., Ghazali, S.E., Din, N.C., Singh, D.K., Subramaniam, P., 2016. Review of Risk Factors for Cognitive Impairment in Stroke Survivors. *The Scientific World Journal*, Vol 2016, 1637-1642.