

DAFTAR PUSTAKA

- Al-Qazzaz, N.K., Ali, S.H.B.MD., Ahmad, S.A., Chellappan, K., Islam, Md.S. & Escudero, J. 2014. Role of EEG as Biomarker in the Early Detection and Classification of Dementia. *The Scientific World Journal*. 2014:1–16.
- Anghinah, R., Kanda, P.A.M., Lopes, H.F., Basile, L.F.H., Machado, S., Ribeiro, P., Nitrini, R. 2011. Alzheimer's disease qEEG: spectral analysis versus coherence. which is the best measurement? *Arquivos de Neuro-Psiquiatria*. 69(6):871–874.
- Arciniegas, D., Kellermeyer, G., Bonifer, N., Anderson, K. & Anderson, A. 2011. Screening for cognitive decline following single known stroke using the Mini-Mental State Examination. *Neuropsychiatric Disease and Treatment*. (April):189.
- Baker, M., Akrofi, K., Schiffer, R. & Michael. 2019. EEG Patterns in Mild Cognitive Impairment (MCI) Patients. *The Open Neuroimaging Journal*. 2(1). <https://dx.doi.org/10.2174%2F1874440000802010052> Date of access: 03 Jun. 2020.
- Barry Erhardt, E., Pesko, J.C., Prestopnik, J., Thompson, J., Caprihan, A. & Rosenberg, G.A. 2018. Biomarkers identify the Binswanger type of vascular cognitive impairment. *Journal of Cerebral Blood Flow & Metabolism*. 39(8):1602–1612.
- Benbadis, S.R., LaFrance, W.C., Papandonatos, G.D., Korabathina, K., Lin, K. & Kraemer, H.C. 2009. Interrater reliability of EEG-video monitoring. *Neurology*. 73(11):843–846.
- Benjamin, E.J., Blaha, M.J., Chiuve, S.E., Cushman, M., Das, S.R., Deo, R., ... Mackey, R.H. 2017. Heart Disease and Stroke Statistics—2017 Update: A Report From the American Heart Association. *Circulation*. 135(10).
- Bordet, R., Ihl, R., Korczyn, A.D., Lanza, G., Jansa, J., Hoerr, R., et al. 2017. Towards the concept of disease-modifier in post-stroke or vascular cognitive impairment: a consensus report. *BMC Medicine*. 15(1).
- Bour, A., Rasquin, S., Boreas, A., Limburg, M. & Verhey, F. 2009. How predictive is the MMSE for cognitive performance after stroke? *Journal of Neurology*. 257(4):630–637.
- Campos, M.T. 2017. Noninvasive Neurophysiological Monitoring in Acute Ischemic Stroke Treatment. *Open access Journal of Neurology & Neurosurgery*. 4(1).
- Carnevale, L. & Lembo, G. 2019. Innovative MRI Techniques in Neuroimaging Approaches for Cerebrovascular Diseases and Vascular Cognitive Impairment. *International Journal of Molecular Sciences*. 20(11):2656.
- Cassani, R., Estarellas, M., San-Martin, R., Fraga, F.J. & Falk, T.H. 2018. Systematic Review on Resting-State EEG for Alzheimer's Disease Diagnosis and Progression Assessment. *Disease Markers*. 2018:1–26.
- Chiti, G. & Pantoni, L. 2014. Use of Montreal Cognitive Assessment in Patients With Stroke. *Stroke*. 45(10):3135–3140.

- Corsi-Cabrera, M., Ramos, J., Guevara, M.A., Arce, C. & Gutiérrez, S. 1993. Gender differences in the EEG during cognitive activity. *The International Journal of Neuroscience*. 72(3-4):257–264.
- Coucha, M., Abdelsaid, M., Ward, R., Abdul, Y. & Ergul, A. 2018. Impact of Metabolic Diseases on Cerebral Circulation: Structural and Functional Consequences. *Comprehensive Physiology*. (March, 25):773–799.
- Crimmins, E.M. 2015. Lifespan and Healthspan: Past, Present, and Promise. *The Gerontologist*. 55(6):901–911.
- 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.
- Cynthia, L.F.A.R., Zakaria, H., Mengko, T.L.R. & Mayza, A. 2019. Analysis of qEEG parameters of vascular cognitive impairment patients undergoing sound wave therapy. *THE 4TH BIOMEDICAL ENGINEERING'S RECENT PROGRESS IN BIOMATERIALS, DRUGS DEVELOPMENT, HEALTH, AND MEDICAL DEVICES: Proceedings of the International Symposium of Biomedical Engineering (ISBE) 2019*.
- Danovska, M. & Psychinska, D. 2012. POST-STROKE COGNITIVE IMPAIRMENT – PHENOMENOLOGY AND PROGNOSTIC FACTORS. *Journal of IMAB - Annual Proceeding (Scientific Papers)*. 18, 3(2012):290–297.
- del Ser, T., Barba, R., Morin, M.M., Domingo, J., Cemillan, C., Pondal, M., et al. 2005. Evolution of Cognitive Impairment After Stroke and Risk Factors for Delayed Progression. *Stroke*. 36(12):2670–2675.
- Demeestere, J., Garcia-Esperon, C., Garcia-Bermejo, P., Ombelet, F., McElduff, P., Bivard, A., Levi, C. 2017. Evaluation of hyperacute infarct volume using ASPECTS and brain CT perfusion core volume. *Neurology*. 88(24):2248–2253.
- Di Legge, S. & Hachinski, V. 2010. Vascular cognitive impairment (VCI): Progress towards knowledge and treatment. *Dementia & Neuropsychologia*. 4(1):4–13.
- 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., Chen, C.L.-H. 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.
- Donnet, A. 1993. [The basal forebrain. Neuroanato-physiology and neurologic applications]. *L'Encephale*. 19(3):237–240.
<https://pubmed.ncbi.nlm.nih.gov/8275909/> Date of access: 12 Dec. 2021.
- Douiri, A., Rudd, A.G. & Wolfe, C.D.A. 2013. Prevalence of Poststroke Cognitive Impairment. *Stroke*. 44(1):138–145.
- Dupuy, F.E., 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 Research*. 180(2-3):114–119.

- Einstad, M.S., Saltvedt, I., Lydersen, S., Ursin, M.H., Munthe-Kaas, R., Ihle-Hansen, H., Thingstad, P. 2021. Associations between post-stroke motor and cognitive function: a cross-sectional study. *BMC Geriatrics*. 21(1).
- Faraco, G. & Iadecola, C. 2013. Hypertension. *Hypertension*. 62(5):810–817.
- Feinkohl, I., Price, J.F., Strachan, M.W.J. & Frier, B.M. 2015. The impact of diabetes on cognitive decline: potential vascular, metabolic, and psychosocial risk factors. *Alzheimer's Research & Therapy*. 7(1).
- 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):1452–1459.
- Finnigan, S.P., Rose, S.E. & Chalk, J.B. 2006. Rapid EEG changes indicate reperfusion after tissue plasminogen activator injection in acute ischaemic stroke. *Clinical Neurophysiology*. 117(10):2338–2339.
- Foreman, B. & Claassen, J. 2012. Quantitative EEG for the detection of brain ischemia. *Critical Care*. 16(2):216.
- Foreman, B., Albers, D., Schmidt, J.M., Falo, C.M., Velasquez, A., Connolly, E.S., et al. 2017. Intracortical electrophysiological correlates of blood flow after severe SAH: A multimodality monitoring study. *Journal of Cerebral Blood Flow & Metabolism*. 38(3):506–517.
- Gawel, M., Zalewska, E., Szmidt-Sałkowska, E. & Kowalski, J. 2009. The value of quantitative EEG in differential diagnosis of Alzheimer's disease and subcortical vascular dementia. *Journal of the Neurological Sciences*. 283(1-2):127–133.
- Godefroy, O., Bugnicourt, J.M. & Fickl, A. 2011. Response to Letter by Blackburn et al Regarding Article, "Is the Montreal Cognitive Assessment Superior to the Mini-Mental State Examination to Detect Poststroke Cognitive Impairment? A Study With Neuropsychological Evaluation." *Stroke*. 42(11).
- Gold, G., Bouras, C., Canuto, A., Bergallo, M.F., Herrmann, F.R., Hof, P.R., ... Giannakopoulos, P. 2002. Clinicopathological Validation Study of Four Sets of Clinical Criteria for Vascular Dementia. *American Journal of Psychiatry*. 159(1):82–87.
- Gorelick, P.B. 2019. The global burden of stroke: persistent and disabling. *The Lancet Neurology*. 18(5):417–418.
- Gorelick, P.B., Scuteri, A., Black, S.E., Decarli, C., Greenberg, S.M., Iadecola, C., Roman, G.C. 2011. Vascular contributions to cognitive impairment and dementia: a statement for healthcare professionals from the american heart association/american stroke association. *Stroke*. 42(9):2672–713.
- Hampel, H., Mesulam, M.-M., Cuello, A.C., Farlow, M.R., Giacobini, E., Grossberg, G.T., Khachaturian, Z.S. 2018. The cholinergic system in the pathophysiology and treatment of Alzheimer's disease. *Brain*. 141(7):1917–1933.
- Hofle, N., Paus, T., Reutens, D., Fiset, P., Gotman, J., Evans, A.C., et al. 1997. Regional Cerebral Blood Flow Changes as a Function of Delta and Spindle Activity during Slow Wave Sleep in Humans. *The Journal of Neuroscience*. 17(12):4800–4808.

- Höller, Y. & Trinka, E. 2015. Is There a Relation between EEG-Slow Waves and Memory Dysfunction in Epilepsy? A Critical Appraisal. *Frontiers in Human Neuroscience*. 9.
- Husein, N., Lumempouw, S.F. & Ramli, Y. 2010. Montreal Cognitive Assessment Versi Indonesia (MoCAIna) untuk Skrining Gangguan Fungsi Kognitif. *Neurona*.
- Hutchison, I.C. & Rathore, S. 2015. The role of REM sleep theta activity in emotional memory. *Frontiers in Psychology*. 6.
- Iadecola, C. 2013. The Pathobiology of Vascular Dementia. *Neuron*. 80(4):844–866.
- Ingvar, D.H., Sjölund, B. & Ardö, A. 1976. Correlation between dominant EEG frequency, cerebral oxygen uptake and blood flow. *Electroencephalography and Clinical Neurophysiology*. 41(3):268–276.
- Jelles, B., Scheltens, Ph., van der Flier, W.M., Jonkman, E.J., da Silva, F.H.L. & Stam, C.J. 2008. Global dynamical analysis of the EEG in Alzheimer's disease: Frequency-specific changes of functional interactions. *Clinical Neurophysiology*. 119(4):837–841.
- Jellinger, K.A. 2007. The enigma of vascular cognitive disorder and vascular dementia. *Acta Neuropathologica*. 113(4):349–388.
- Jellinger, K.A. 2013. Pathology and pathogenesis of vascular cognitive impairment—a critical update. *Frontiers in Aging Neuroscience*. 5.
- Jellinger, K.A. 2014. Neuropathology of Dementia Disorders. *Journal of Alzheimer's Disease & Parkinsonism*. 04(01).
- Jia, J. 2015. Factors Related to Long-Term Post-Stroke Cognitive Impairment in Young Adult Ischemic Stroke. *Medical Science Monitor*. 21:654–660.
- Kalaria, R.N. 2012. Cerebrovascular Disease and Mechanisms of Cognitive Impairment. *Stroke*. 43(9):2526–2534.
- Kalaria, R.N., Akinyemi, R. & Ihara, M. 2016. Stroke injury, cognitive impairment and vascular dementia. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*. 1862(5):915–925.
- Kanda, P.A. de M., Anghinah, R., Smidth, M.T. & Silva, J.M. 2009. The clinical use of quantitative EEG in cognitive disorders. *Dementia & Neuropsychologia*. 3(3):195–203.
- Kirkpatrick, A., Vincent, A., Ross, E. & Prodan, C. 2017. Early Diagnosis of Vascular Cognitive Impairment Leads to Improved Treatment of Vascular Risk Factors (P2.095). *Neurology*. 88(16 Supplement).
- Koessler, L., Maillard, L., Benhadid, A., Vignal, J.P., Felblinger, J., Vespignani, H., et al. 2009. Automated cortical projection of EEG sensors: Anatomical correlation via the international 10–10 system. *NeuroImage*. 46(1):64–72.
- Lee, J.E., Shin, D.W., Han, K., Kim, D., Yoo, J.E., Lee, J., ... Kim, M.J. 2020. Changes in Metabolic Syndrome Status and Risk of Dementia. *Journal of Clinical Medicine*. 9(1):122.
- Lee, M.J., Seo, S.W., Na, D.L., Kim, C., Park, J.H., Kim, G.H., ... Lee, J.-H. 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.

- Levine, D.A., Wadley, V.G., Langa, K.M., Unverzagt, F.W., Kabeto, M.U., Giordani, B., Galecki, A.T. 2018. Risk Factors for Poststroke Cognitive Decline. *Stroke*. 49(4):987–994.
- Lizio, R., Vecchio, F., Frisoni, G.B., Ferri, R., Rodriguez, G. & Babiloni, C. 2011. Electroencephalographic Rhythms in Alzheimer's Disease. *International Journal of Alzheimer's Disease*. 2011:1–11.
- Lou, W., Xu, J., Sheng, H. & Zhao, S. 2011. Multichannel linear descriptors analysis for event-related EEG of vascular dementia patients during visual detection task. *Clinical Neurophysiology*. 122(11):2151–2156.
- Luckhaus, C., Grass-Kapanke, B., Blaesser, I., Ihl, R., Supprian, T., Winterer, G., Brinkmeyer, J. 2008. Quantitative EEG in progressing vs stable mild cognitive impairment (MCI): results of a 1-year follow-up study. *International Journal of Geriatric Psychiatry*. 23(11):1148–1155.
- Machado, C., Cuspidada, E., Valdés, P., Virues, T., Liopis, F., Bosch, J., Avila, Y. 2004. Assessing Acute Middle Cerebral Artery Ischemic Stroke by Quantitative Electric Tomography. *Clinical EEG and Neuroscience*. 35(3):116–124.
- Marzbani, H., Marateb, H. & Mansourian, M. 2016. Methodological Note: Neurofeedback: A Comprehensive Review on System Design, Methodology and Clinical Applications. *Basic and Clinical Neuroscience Journal*. 7(2).
- McKay, E. & Counts, Scott E. 2017. Multi-Infarct Dementia: A Historical Perspective. *Dementia and Geriatric Cognitive Disorders Extra*. 7(1):160–171.
- Meng, X. & D'Arcy, C. 2012. Education and Dementia in the Context of the Cognitive Reserve Hypothesis: A Systematic Review with Meta-Analyses and Qualitative Analyses. *PLoS ONE*. 7(6):e38268.
- Mimenza Alvarado, A.J., Cantu Brito, C.G., Roman, G.C., Gareri, P., Aguilar Navarro, S.G., Ruiz Sandoval, J.L., Secades, J.J. 2017. Latin American Delphi Consensus on Vascular Cognitive Impairment: Definitions, Clinical Features, Pathophysiology, Prevention and Treatment. *Journal of Neurology and Neuroscience*. 08(05).
- Mohd Zulkifly, M.F., Ghazali, S.E., Che Din, N., Singh, D.K.A. & Subramaniam, P. 2016. A Review of Risk Factors for Cognitive Impairment in Stroke Survivors. *The Scientific World Journal*. 2016:1–16.
- Moretti, D.V., Zanetti, O., Binetti, G. & Frisoni, G.B. 2012. Quantitative EEG Markers in Mild Cognitive Impairment: Degenerative versus Vascular Brain Impairment. *International Journal of Alzheimer's Disease*. 2012:1–12.
- Moretti, D.V., Prestia, A., Fracassi, C., Binetti, G., Zanetti, O. & Frisoni, G.B. 2012. Specific EEG Changes Associated with Atrophy of Hippocampus in Subjects with Mild Cognitive Impairment and Alzheimer's Disease. *International Journal of Alzheimer's Disease*. 2012:1–8.
- Muoio, V., Persson, P.B. & Sendeski, M.M. 2014. The neurovascular unit - concept review. *Acta Physiologica*. 210(4):790–798.

- Murphy, S.J., McCullough, L.D. & Smith, J.M. 2004. Stroke in the Female: Role of Biological Sex and Estrogen. *ILAR Journal*. 45(2):147–159.
- Murthy L, S., Rao Sudulagunta, S., Kumar Bangalore Raja, S., Bhaktavatchalam, B., Babu Sodalagunta, M., Sepehrar, M., Chandra Thejaswi, K. 2016. ISCHAEMIC STROKE - CLINICAL PROFILE AND EVALUATION WITH ELECTROENCEPHALOGRAPHY AND MRI BRAIN. *Journal of Evolution of Medical and Dental Sciences*. 5(103):7509–7514.
- Nahrowi, N.S., Ong, P.A. & Adam, A. 2018. Cognitive and Functional Outcome of Patients with Ischemic Stroke at Dr. Hasan Sadikin Hospital Bandung. *Althea Medical Journal*. 5(2):82–86.
- Nees, F. 2015. The nicotinic cholinergic system function in the human brain. *Neuropharmacology*. 96:289–301.
- Nelson, A.R., Sweeney, M.D., Sagare, A.P. & Zlokovic, B.V. 2016. Neurovascular dysfunction and neurodegeneration in dementia and Alzheimer's disease. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*. 1862(5):887–900.
- Newman, T.B. & Kohn, M.A. 2009. Evidence-Based Diagnosis. *Cambridge University Press*.
- Nuwer, M.R., Jordan, S.E. & Ahn, S.S. 1987. Evaluation of stroke using EEG frequency analysis and topographic mapping. *Neurology*. 37(7):1153–1153.
- Nys, G., Vanzandvoort, M., Dekort, P., Jansen, B., Kapelle, L. & Dehaan, E. 2005. Restrictions of the Mini-Mental State Examination in acute stroke. *Archives of Clinical Neuropsychology*. 20(5):623–629.
- Ovbiagele, B., Goldstein, L.B., Higashida, R.T., Howard, V.J., Johnston, S.C., Khavjou, O.A., Trogon, J.G. 2013. Forecasting the Future of Stroke in the United States: A Policy Statement From the American Heart Association and American Stroke Association. *Stroke*. 44(8):2361–2375.
- Park, K.-C., Yoon, S.-S. & Rhee, H.-Y. 2011. Executive dysfunction associated with stroke in the posterior cerebral artery territory. *Journal of Clinical Neuroscience: Official Journal of the Neurosurgical Society of Australasia*. 18(2):203–208.
- 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.
- Peever, J. & Fuller, Patrick M. 2016. Neuroscience: A Distributed Neural Network Controls REM Sleep. *Current Biology*. 26(1):R34–R35.
- 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. *Stroke*. 41(6):1290–1293.
- Petrosian, A.A., Prokhorov, D.V., Lajara-Nanson, W. & Schiffer, R.B. 2001. Recurrent neural network-based approach for early recognition of Alzheimer's disease in EEG. *Clinical Neurophysiology*. 112(8):1378–1387.
- Petrovic, J., Milosevic, V., Zivkovic, M., Stojanov, D., Milojkovic, O., Kalauzi, A., et al. 2017. Slower EEG alpha generation, synchronization and “flow”—

- possible biomarkers of cognitive impairment and neuropathology of minor stroke. *PeerJ*. 5:e3839.
- Potocnik, J., Ovcari Stante, K. & Rakusa, M. 2020. The validity of the Montreal cognitive assessment (MoCA) for the screening of vascular cognitive impairment after ischemic stroke. *Acta Neurologica Belgica*. 120(681-685).
- Prado, V.F., Janickova, H., Al-Onaizi, M.A. & Prado, M.A.M. 2017. Cholinergic circuits in cognitive flexibility. *Neuroscience*. 345:130–141.
- Rabiller, G., He, J.-W., Nishijima, Y., Wong, A. & Liu, J. 2015. Perturbation of Brain Oscillations after Ischemic Stroke: A Potential Biomarker for Post-Stroke Function and Therapy. *International Journal of Molecular Sciences*. 16(10):25605–25640.
- Reddy, P.H. 2017. A Critical Assessment of Research on Neurotransmitters in Alzheimer's Disease. *Journal of Alzheimer's Disease*. 57(4):969–974.
- Reitz, C. 2013. Dyslipidemia and the Risk of Alzheimer's Disease. *Current Atherosclerosis Reports*. 15(3).
- Riekkinen, P., Buzsaki, G., Riekkinen, P., Soininen, H. & Partanen, J. 1991. The cholinergic system and EEG slow waves. *Electroencephalography and Clinical Neurophysiology*. 78(2):89–96.
- Rincon, F. & Wright, C.B. 2014. Current pathophysiological concepts in cerebral small vessel disease. *Frontiers in Aging Neuroscience*. 6.
- Robinson, K.A., Saldanha, I.J. & Mckoy, N.A. 2011. *Figure 1, Step 1: Focused literature review—Summary of search and review process*. www.ncbi.nlm.nih.gov.
<https://www.ncbi.nlm.nih.gov/books/NBK62485/figure/results.fl/> Date of access: 17 Jun. 2020.
- Rosenberg, G.A. 2016. Vascular cognitive impairment: Biomarkers in diagnosis and molecular targets in therapy. *Journal of Cerebral Blood Flow & Metabolism*. 36(1):4–5.
- Rosenberg, G.A., Prestopnik, J., Adair, J.C., Huisa, B.N., Knoefel, J., Caprihan, A., Schrader, R. 2015. Validation of biomarkers in subcortical ischaemic vascular disease of the Binswanger type: approach to targeted treatment trials. *Journal of Neurology, Neurosurgery & Psychiatry*. 86(12):1324–1330.
- Schleiger, E., Sheikh, N., Rowland, T., Wong, A., Read, S. & Finnigan, S. 2014a. Frontal EEG delta/alpha ratio and screening for post-stroke cognitive deficits: The power of four electrodes. *International Journal of Psychophysiology*. 94(1):19–24.
- Schleiger, E., Sheikh, N., Rowland, T., Wong, A., Read, S. & Finnigan, S. 2014b. Frontal EEG delta/alpha ratio and screening for post-stroke cognitive deficits: The power of four electrodes. *International Journal of Psychophysiology*. 94(1):19–24.
- Shreve, L., Kaur, A., Vo, C., Wu, J., Cassidy, J.M., Nguyen, A., ... Cramer, S.C. 2019. Electroencephalography Measures are Useful for Identifying Large Acute Ischemic Stroke in the Emergency Department. *Journal of Stroke and Cerebrovascular Diseases*. 28(8):2280–2286.

- Signorino, M., Pucci, E., Belardinelli, N., Nolfi, G. & Angelini, F. 1995. EEG spectral analysis in vascular and Alzheimer dementia. *Electroencephalography and Clinical Neurophysiology*. 94(5):313–325.
- Song, Y., Zang, D.-W., Jin, Y.-Y., Wang, Z.-J., Ni, H.-Y., Yin, J.-Z., et al. 2014. Background Rhythm Frequency and Theta Power of Quantitative EEG Analysis. *Clinical EEG and Neuroscience*. 46(2):142–146.
- Sonnen, J.A., Larson, E.B., Crane, P.K., Hanse, S., Li, G., Schellenberg, G.D., Montine, T.J. 2007. Pathological correlates of dementia in a longitudinal, population-based sample of aging. *Annals of Neurology*. 62(4):406–413.
- Sun, J.-H., Tan, L. & Yu, J.-T. 2014a. Post-stroke cognitive impairment: epidemiology, mechanisms and management. *Annals of translational medicine*. 2(8):80.
- Sun, J.-H., Tan, L. & Yu, J.-T. 2014b. Post-stroke cognitive impairment: epidemiology, mechanisms and management. *Annals of translational medicine*. 2(8):80.
- Teh, W.L., Abidin, E., Vaingankar, J.A., Seow, E., Sagayadevan, V., Shafie, S., ... Subramaniam, M. 2018. Prevalence of stroke, risk factors, disability and care needs in older adults in Singapore: results from the WiSE study. *BMJ Open*. 8(3):e020285.
- Thatcher, R.W. 2010. Validity and Reliability of Quantitative Electroencephalography. *Journal of Neurotherapy*. 14(2):122–152.
- Tiffin-Richards, F.E., Costa, A.S., Holschbach, B., Frank, R.D., Vassiliadou, A., Krüger, T., Reetz, K. 2014. The Montreal Cognitive Assessment (MoCA) - A Sensitive Screening Instrument for Detecting Cognitive Impairment in Chronic Hemodialysis Patients. *PLoS ONE*. 9(10):e106700.
- Tomlinson, B.E., Blessed, G. & Roth, M. 1970. Observations on the brains of demented old people. *Journal of the Neurological Sciences*. 11(3):205–242.
- Tuerxun, T. 2014. EEG and SPECT Changes in Acute Ischemic Stroke. *Journal of Neurology & Neurophysiology*. 05(02).
- Wahul, A.B., Chintamani Joshi, P., Kumar, A. & Chakravarty, S. 2018. *Central Bringing Excellence in Open Access Association of Diagnostic Stroke Biomarkers with Post Stroke Cognitive Impairment*.
- Wortmann, M. 2012. Dementia: a global health priority - highlights from an ADI and World Health Organization report. *Alzheimer's research & therapy*. 4(5):40.
- Yang, T., Sun, Y., Lu, Z., Leak, R.K. & Zhang, F. 2017. The impact of cerebrovascular aging on vascular cognitive impairment and dementia. *Ageing research reviews*. 34:15–29.
- Yoo, A.J., Zaidat, O.O., Chaudhry, Z.A., Berkhemer, O.A., González, R.G., Goyal, M., Penumbra Pivotal and Penumbra Imaging Collaborative Study (PICS) Investigators. 2014. Impact of pretreatment noncontrast CT Alberta Stroke Program Early CT Score on clinical outcome after intra-arterial stroke therapy. *Stroke*. 45(3):746–751.
- Yu, K.-H., Cho, S.-J., Oh, M.S., Jung, S., Lee, J.-H., Shin, J.-H., ... Lee, B.-C. 2013. Cognitive Impairment Evaluated With Vascular Cognitive

- Impairment Harmonization Standards in a Multicenter Prospective Stroke Cohort in Korea. *Stroke*. 44(3):786–788.
- Yu, X., Ji, C. & Shao, A. 2020. Neurovascular Unit Dysfunction and Neurodegenerative Disorders. *Frontiers in Neuroscience*. 14.
- Zahodne, L.B., Stern, Y. & Manly, J.J. 2015. Differing effects of education on cognitive decline in diverse elders with low versus high educational attainment. *Neuropsychology*. 29(4):649–657.
- Zhang, S., Ke, Z., Li, L., Yip, S. & Tong, K. 2013. EEG patterns from acute to chronic stroke phases in focal cerebral ischemic rats: correlations with functional recovery. *Physiological Measurement*. 34(4):423–435.
- Zhou, D. 2006. Study on frequency and predictors of dementia after ischemic stroke: the Chongqing Stroke Study. *Annals of General Psychiatry*. 5(S1).
- Zhou, D.H.D., Wang, J.Y.J., Li, J., Deng, J., Gao, C. & Chen, M. 2004. Frequency and Risk Factors of Vascular Cognitive Impairment Three Months after Ischemic Stroke in China: The Chongqing Stroke Study. *Neuroepidemiology*. 24(1-2):87–95.