

## DAFTAR PUSTAKA

- Adisti, S.P., Gofir, A., Astuti, 2017. Hubungan Penurunan Kesadaran dengan Kejadian Komplikasi Medis pada Pasien Stroke Infark Akut. Diajukan pada lomba poster *Continuing Neurology Education PERDOSSI Surabaya*.
- Adisti, S.P., Gofir, A., Paryono, 2017. Pengaruh Komplikasi Pneumonia terhadap Lama Rawat Inap pada Pasien Stroke Infark Akut. Diajukan pada lomba poster *Pekan Ilmiah Nasional PERDOSSI Yogyakarta*.
- Adrees, M., Subhanullah, Rasool, S., Ahmad, N., 2017. Frequency of Stroke Associated Pneumonia in Stroke Patients. *APMC*. 11(2):154-157.
- Armstrong, J.R., Mosher, B.D., 2011. Aspiration Pneumonia After Stroke: Intervention and Prevention. *The Neurohospitalist*. 1(2) 85-93.
- Arnold, M., Liesirova, K., Broeg-Morvay, A., Meisterernst, J., Schlager, M., Mono, M-L., et al., 2016. Dysphagia in Acute Stroke: Incidence, Burden and Impact on Clinical Outcome. *PLoS ONE* 11(2): e0148424. doi:10.1371/journal.pone.0148424.
- Artriawan, N., Paryono, Gofir, A., 2017. Pengaruh Penerapan *Clinical Pathway* Terhadap Luaran Klinis Pasien Stroke Iskemik Akut yang Dirawat Di Unit Stroke RSUP Dr. Sardjito Yogyakarta. Dipresentasikan pada presentasi oral *Mukernas PERDOSSI 2017*.
- Artriawan, N., Sutarni, S., Paryono, 2018. *Clinical Pathway* sebagai Suatu Sistem yang Berpengaruh terhadap Perbaikan Luaran Klinis Pasien Stroke Iskemik Akut yang Diwarat di Unit Stroke RSUP dr. Sardjito Yogyakarta. *Tesis*. Departemen Neurologi, Fakultas Kedokteran, Kesehatan Masyarakat Dan Keperawatan, Universitas Gadjah Mada Yogyakarta.
- Bello, S., Menendez, R., Toores, A., Reyes, S., Zalacain, R., et al., 2014. Tobacco Smoking Increases the Risk for Death From Pneumococcal Pneumonia. *CHEST*. 146(4): 1029 - 1037
- Boehme, A.K., Esenwa, C., Elkind, M.S.V., 2017. Stroke Risk Factors, Genetics, and Prevention. *Circ. Res. Am. Stroke Assoc*. 120, 472-496.
- Bourke, C.D., Berkley, J.A., Prendergast, A.J., 2016. Immune Dysfunction as Cause and Consequence of Malnutrition. *Trends in Immunology*. June, Vol 37, No 6.
- Brogan, E., Langdon, C., Brookes, K., Budgeon, C., Blacker, D., 2013. Respiratory Infections in Acute Stroke: Nasogastric Tubes and Immobility are Stronger Predictors than Dysphagia. *Dysphagia*. Jun;29(3):340-5.
- Cadilhac, D.A., Kilkenny, M.F., Andrew, N.E., Ritchie, E., Hill, K., Lalor, E., 2017. Hospitals Admitting At Least 100 Patients With Stroke A Year Should Have A Stroke Unit : A Case Study From Australia. *BMC Health Serv. Res*. 17,1-9.
- Chamorro, A., Urra, X., Planas, A.M., 2007. Infection after acute ischemic stroke: a manifestation of brain-induced immunodepression. *Stroke*. 38:1097-103.

- Chen Y, Shu-juan L, et al. Monitoring of Medical Complications after Acute Ischemic Stroke in Neurological Intensive Care Unit. *European Neurology*. 2011;66:204-209.
- Chiu, S., Livneh, H., Tsao, L., Tsai, T., 2013. Acceptance of Disability and It's Predictors Among Stroke Patients in Taiwan. *BMC Neurol*. 175.
- Christiansen, C.B., Gerds, T.A., Olesen, J.B., Kristensen, S.L., Lamberts, M., Lip, G.Y.H., Gislason, G.H., Kober, L., Torp-pedersen, C., 2016. Atrial Fibrillation and Risk of Stroke: a Nationwide Cohort Study. *EP Eur*.
- Dewiyana, Setyopranoto, I., Paryono, 2015. Peningkatan Skor Indeks Barthel Sebagai Acuan Pemulangan Pasien Stroke Iskemik Dari Rumah Sakit. *Tesis*. Program Pasca Sarjana Universitas Gadjah Mada.
- Dimitrov, D.M., Rumrill, P.D., 2003. Pretest-Posttest Designs and Measurement of Change. *Speak. Res*. 20, 159–165.
- Famakin, B.M., 2014. The Immune Response to Acute Focal Cerebral Ischemia and Associated Post-Stroke Immunodepression: A Focused Review. *Aging and Disease*. Voume 5, Number 5; 307-326.
- Finlayson O., Kapral M., Hall R., Asllani E., Selchen D., Saposnik G., 2011. Risk factors, inpatient care, and outcomes of pneumonia after Ischemic Stroke. *Neurology*. 77(14);1338-45.
- Girijala, R.L., Sohrabji, F., Bush, R.L., 2017. Sex differences in stroke: Review of current knowledge and evidence. *Vasc. Med*. 22, 135–145.
- Glader, E.L., Stegmayr, B., et al. Sex Differences in Management and Outcome After Stroke. *Stroke*. 34:1970-1975
- Hannawi, Y., Hannawi, B., Rao, C.P.V., Suarez, J.I., Bershad, E.M., 2013. Stroke-Associated Pneumonia: Major Advances and Obstacles. *Cerebrovasc Dis*. 34: 430-443.
- Harms H., Hoffmann S., Malzahn U., Ohlraun S., Heuschmann P., Meisel A., 2012. Decision-making in the diagnosis and treatment of stroke-associated pneumonia. *J Neurol Neurosurg Psychiatry*. 83:1225–1230..
- Hillen, T., Coshall, C., Tilling, K., Rudd, A.G., McGovern, R., Wolfe, C.D.A., 2003. Cause of Stroke Recurrence is Multifactorial Patterns, Risk Factors, and Outcomes of Stroke Recurrence in the South London Stroke Register. *Stroke*. 34, 1457-1463.
- Hu, M.H., Hsu, S.S., Yip, P.K., Jeng, J.S., Wang, Y., H., 2010. Early and intensive rehabilitation predicts good functional outcomes in patients admitted to the stroke intensive care unit. *Disability and Rehabilitation*; 32(15): 1251–1259.
- Huang, Z., Lu, X., Duan, H., Fan, W., 2013. Summarizing Clinical Pathways from Event Logs. *J. Biomed. Inform*. 46, 111–127.
- Ingemann, A., Andersen, G., Hundborg, H.H., et al., 2011. In-Hospital Medical Complications Length of Stay, and Mortality Among Stroke Unit Patients. *Stroke*. 42: 3214-3218.
- Jackson, C., Sudlow, C., 2005. Are Lacunar Strokes Really Different? A Systematic Review of Differences in Risk Factor Profiles Between Lacunar and Nonlacunar Infarcts. *Stroke*. 2005;36:891-904.

- Ji, R., Shen, H., Pan, Y., Wang, P., Liu, G., Wang, Y., Li, H., Wang, Y., 2013. Novel Risk Score to Predict Pneumonia After Acute Ischemic Stroke. *Stroke*. 2013;44:1303-1309.
- Ji, R., Wang, D., Shen, H., Pan, Y., Liu, G., Wang, P., Wang, Y., Li, H., Wang, Y., 2013. Interrelationship Among Common Medical Complications After Acute Stroke. *Stroke*. 44:3436-3444.
- Jorgensen, H.S., Nakayama, H., Reith, J., Raaschou, H.O., Olsen, T.S., 1997. Stroke Recurrence: Predictors, Severity And Prognosis. The Copenhagen Stroke Study. *Neurology*. 891-895.
- Kawate, N., Kayaba, K., Hara, M., Kotani, K., Ishikawa, S., 2017. Body mass index and stroke incidence in Japanese community residents: The Jichi Medical School (JMS) Cohort Study. *Journal of Epidemiology*. 27, 325e330
- Kim A.S, Cahill E., Cheng N.T., 2015. Global Stroke Belt Geographic Variation in Stroke Burden Worldwide. *Stroke*. 46; 3564-3570.
- Kim, J.S., 2014. Stroke in Asia : A Global Disaster. *Int. J. Stroke SAGE Journals* 9, 856–857.
- Kishore, A.K., Vail, A., Bray, B.D., Chamorro, A., Napoli, M.D., Kalra, L., Langhorne, P., Montaner, J., Roffe, C., Rudd, A.G., Tyrrell, P.J., Beek, D.V.D., Woodhead, M, Meisel, A., Smith, C.J., 2016. Clinical risk scores for predicting stroke-associated pneumonia: A systematic review. *European Stroke Journal*. Vol. 1(2) 76–84.
- Koennecke, H.C., Belz, W., Berfelde, D., Endres, M., Fitzek, S., Hamilton, F., Kreitsch, P., Mackert, B.M., Nabavi, D.G., Nolte, C.H., Pohls, W., Schmehl, I., Schmitz, B., Brevern, M.V., Walter, G., Heuschmann, P.U., 2011. Factors influencing in-hospital mortality and morbidity in patients treated on a stroke unit. *Neurology*. 77:965–972.
- Kumar, S., Selim, M.H., Caplan, L.R., 2010. Medical complications after stroke. *Lancet Neurol*. 9: 105–18.
- Kvistad, C.E., Thomassen, L., Waje-Andreassen, U., Naess, H., 2012. Low body temperature associated with severe ischemic stroke within 6 hours of onset: The Bergen NORSTROKE Study. *Dovepress. Vascular Health and Risk Management*. 8, 333–338. DOI: 10.2147/VHRM.S31614.
- Li, L., Zhang, L., Xu, W., Hu, J., 2014. Risk assessment of ischemic stroke associated pneumonia. *World J Emerg Med, Vol 5, No 3*.
- Majid, A., Zemke, D.B., Kassab, M., 2013. Pathophysiology of ischemic stroke. Available from: <https://www.uptodate.com/contents/pathophysiology-of-ischemic-stroke#H21816563>
- Marshall, I.J., Wang, Y., McKeivitt, C., Rudd, A.G., Wolfe, C.D.A., 2013. Trends in Risk Factor Prevalence and Management Before First Stroke. *Stroke*. 44, 1809-1816.
- Masiero, S., Pierobon, R., Previato, C., Gomiero, E., 2008. Pneumonia in stroke patients with oropharyngeal dysphagia: a six-month follow-up study. *Neurol Sci*. 29:139–145.
- Mater, W., Ibrahim, R., 2014. Delivering Quality Healthcare Services using Clinical Pathways. *Int. J. Comput. Appl*. 95, 12–15.

- Misbach J., 2007. Pandangan umum mengenai stroke, dalam unit stroke manajemen stroke secara komprehensif. Jakarta: FKUI.
- Muller, L.M., Gorter K.J., 2005. Increased Risk of Common Infections in Patients with Type 1 and Type 2 Diabetes Mellitus. *Clin Infect Dis.* 41 (3): 281-288.
- Nam, K.W., Kwon, H.M., Lim, J.S., Lee, Y.S., 2017. Leukoaraiosis is associated with pneumonia after acute ischemic stroke. *BMC Neurology.* 17:51.
- National Clinical Guideline Centre, 2014. Pneumonia: Diagnosis and Management of Community and Hospital Acquired Pneumonia in Adults. *National Institute for Health and Care Excellence.*
- Navarro, C., 2006. Adult Malnutrition in Emergencies: An Overview of Diagnosis and Treatment. *Action contre la Faim.* Colorado: Version 3.
- Navarro J.C., Bitanga E. Suwanwela N., Chang H.M., Ryu S.J., Huang Y.N., Wong L. Arjundas D., Singhal B.S., Lee S.B., Yoon B.W., Venketasubramanian N., Chiu H.C., Pongvarin N., Tan K.S., Alam S.M., Le D.H., 2008. Complication of acute stroke: A study in ten Asian Countries. *Neurology Asia.* 13 : 33 – 39.
- Panella M., Marchisio S., Brambilla R., Vanhaecht K., Stanislao F.D., 2012. A cluster randomized trial to assess the effect of clinical pathways for patients with stroke: results of the clinical pathways for effective and appropriate care study. *BMC Medicine.* 10:71.
- Pinzon, R.T., Dwiprahasto, I., Kuntjoro, T., 2014. Evaluasi Penerapan Clinical Pathway untuk Perbaikan Proses Dokumentasi, Indikator Proses, Luaran Serta Analisis Varian pada Kasus Stroke Iskemik Akut. *Disertasi.* Program Pasca Sarjana Universitas Gadjah Mada, Yogyakarta.
- Powers, W.J., Rabinstein, A.A., Ackerson, T., Adeoye, O.M., Bambakidis, N.C., Becker, K., Biller, J., Brown, M., Demaerschalk, B.M., Hoh, B., Jauch, E.C., Kidwell, C.S., Mazwi, T.M.L., Ovbiagele, B., Scott, P.A., Sheth, K.N., Southerland, A.M., Summers, D.V., Tirschwell, D.L., 2018. Guidelines for the Early Management of Patients With Acute Ischemic Stroke. *Stroke.* 49:eXXX.
- Ropper, A.H., Brown, R.H., 2005. Cerebrovascular Diseases. *Adams and Victor's Principles Of Neurology.* New York: McGraw-Hill. hal. 660–665.
- Rotter, T., Kinsman, L., James, E.L., Machotta, A., Willis, J., Snow, P., Kugler, J., 2012. The Effects of Clinical Pathways on Professional Practice, Patient Outcomes, Length of Stay, and Hospital Costs: Cochrane Systematic Review and Meta-Analysis. *Eval Health Prof.* 35: 3
- RSUP dr. Sardjito, 2014. Clinical Pathway Stroke Iskemik. *Rekam Medis RSUP dr.Sardjito.* Yogyakarta.
- 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 I.S., Sacco R.L., Kasner S.E., Broderick J.P., Elkind M.S.V., George, M.G., Hamdan, A.D., Higashida R.T., Hoh B.L., Janis S.L., 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. *Stroke*. 44; 2064-2089.
- Santalucia, P.A.G., Counsell, C., Tseng, M.C., Cecconi, E., 2014. Oral Antiplatelet Therapy for Acute Ischemic Stroke (Review). *Cochrane Database Syst. Rev.* 3, CD00009.
- Sastroasmoro, S., Ismael, S., 2014. *Dasar Dasar Metodologi Penelitian Klinis*, 5 ed. Sagung Seto, Jakarta.
- Seehusen, D.A., 2010. Clinical Pathways Effects on Practice, Outcomes and Costs. *Am. Acad. Fam. Physicians* 82, 1338–1340.
- Sellars, C., Bowie, L., Bagg, J., Sweeney, M.P., Miller, H., Tiltson, J., Langhorne, P., Stott, D.J., 2007. Risk Factors for Chest Infection in Acute Stroke: A Prospective Cohort Study. *Stroke*. 2007;38:2284-2291.
- Shim. R., Wong, C.H.Y., 2015. Ischemia, Immunosuppression and Infection—Tackling the Predicaments of Post-Stroke Complications. *International Journal of Molecular Sciences*; 17, 64.
- Siegler, J.E., Boehme, A.K., Kumar, A.D., Gillete, M.A., Albright, K.C., Beasley, T.M., Martin-Schild, S., 2013. Identification of Modifiable and Non-modifiable Risk Factors for Neurologic Deterioration After Acute Ischemic Stroke. *J. Stroke Cerebrovasc. Dis.* 22, e207-213.
- Smith, C.J., Kishore, A.K., Vail, A., Chamorro, A., Garau, J., Hopkins, S.J., Napoli, M.D., Kalra, L., Langhorne, P., Montaner, J., Roffe, C., Rudd, A.G., Tyrrell, P.J., Beek, D.V.D., Woodhead, M., Meisel, A., 2015. Diagnosis of Stroke-Associated Pneumonia Recommendations From the Pneumonia in Stroke Consensus Group. *Stroke*. 46:2335-2340.
- Smithard, D.G., O'Neill, P.A., Park, C., England, R., Renwick, D.S., Wyatt, R., Morris, J., Martin, D.F., 1998. Can bedside assessment reliably exclude aspiration following acute stroke?. *Age Ageing*. Mar;27(2):99-106
- Sorensen, R.T., Rasmussen, R.S., Overgaard, K., Lerche, A., Johansen, A.M., Lindhardt, T., 2013. Dysphagia Screening and Intensified Oral Hygiene Reduce Pneumonia After Stroke. *Journal of Neuroscience Nursing*. June: 45, 3.
- Sui R., Zhang L., 2011. Risk factors of stroke-associated pneumonia in Chinese patients. *Neurological Research*. Vol 33, no.5. 508-513.
- Sun Y., Paulus, D., Eyssen, M., Maervoet, J., Saka, O., 2013. A systematic review and meta-analysis of acute stroke unit care: What's beyond the statistical significance? *BMC Med. Res. Methodol.* 13, 132.
- Toole, J.F., 1990. Cerebrovascular Disorders. *Raven Press, New York*. 4th, Edition, p. 318-319.
- Suwanwela N.C., Pongvarin N., 2016. Stroke burden and stroke care system in Asia. *Neurology India*. 64; 46-51.
- Venketasubramanian N, Tan LCS, Sahadevan, 2005. Prevalence of Stroke Among Chinese, Malay, and Indian Singaporeans : A Community-Based Tri-Racial Cross-Sectional Survey. *Stroke*. 36:551-556.
- Venketasubramanian, N., Yoon, B.W., Pandian, J., Navarro, J.C., 2017. Stroke Epidemiology in South, East, and South East Asia: A Review. *J. Stroke*. 9, 286-294.

- Wang, P.L., Zhao, X.Q., 2013. In-hospital medical complications associated with patient dependency after acute ischemic stroke: data from the China National Stroke Registry. *Chin Med J (Engl)*. Apr;126(7):1236-41
- Westendorp W.F., Nederkoorn P.J., Vermeij J.D., Dijkgraaf M.G., Beek D.V.D., 2011. Post-stroke infection: A systematic review and meta-analysis. *BMC Neurology*. 11:110.
- WHO, 1978. World Health Organisation Cerebrovascular Disorders A Clinical and research classification.pdf.
- Wirth, R., Smoliner, C., Jäger, M., Warnecke, T., Leischker, A.H., Dziewas, L., 2013. Guideline clinical nutrition in patients with stroke. *Experimental & Translational Stroke Medicine*. 5:14.
- Wu, W., Huo, X., Zhao, X., Liao, X., Wang, C., 2016. Relationship Between Blood Pressure And Outcomes In Acute Ischemic Stroke Patients Administered Lytic Medication In The TIMS- China Study 1-11.
- Yang, J.M., Park, Y.S., Chung, S.P., Chung, H.S., Lee, H.S., You, J.S., Lee, S.H., Park, I., 2014. Implementation of a clinical pathway based on a computerized physician order entry system for ischemic stroke attenuates off-hour and weekend effects in the emergency department. *American Journal of Emergency Medicine*. S0735-6757(14)00315-5.
- Yuniadi, Y., Tondas, A.E., Hanafy, D.A., Hermanto, D.Y., Maharani, E., Munawar, M., Raharjo, S.B., 2014. Pedoman Tata Laksana Fibrilasi Atrium. *Perhimpunan Dokter Spesialis Kardiovaskuler Indonesia*. Jakarta: Centra Communications.
- Zhu, J., Zhang, X., Shi, G., Yi, K., Tan, X., 2015. Atrial Fibrillation is an independent risk factor for hospital-acquired pneumonia. *Plos One*. 10(7), e0131782.