

DAFTAR PUSTAKA

- Aarnink, E., Zabern, M., Boersma, L., & Glikson, M. 2023. Mechanisms and Prediction of Ischemic Stroke in Atrial Fibrillation Patients. *Journal of clinical medicine*, 12(20), 6491.
- Abboud, H., Berroir, S., Labreuche, J., Orjuela, K., Amarenco, P., & GENIC Investigators. 2006. Insular involvement in brain infarction increases risk for cardiac arrhythmia and death. *Annals of neurology*, 59(4), 691–699.
- Abebe, E. C., Dejenie, T. A., Anley, D. T., Mengstie, M. A., Gebeyehu, N. A., Adella, G. A., Kassie, G. A., Tesfa, N. A., Gesese, M. M., Feleke, S. F., Zemene, M. A., Dessie, A. M., Bayih, W. A., Solomon Kebede, Y., Bantie, B., Seid, M. A., Enyew, E. F., Dessie, G., Adugna, D. G., Ayele, T. M., Admasu, F. T. 2024. Diagnostic performance of plasma D-dimer, fibrinogen, and D-dimer to fibrinogen ratio as potential biomarkers to predict hypertension-associated acute ischemic stroke. *Heliyon*, 10(5), e27192.
- Adams HP, Bendixen BH, Kapelle LJ, *et al.* 1993. Classification of Subtype of Acute Ischemic Stroke. *Stroke* 24(1):35-41
- Adams, H. P., Jr, Davis, P. H., Leira, E. C., Chang, K. C., Bendixen, B. H., Clarke, W. R., Woolson, R. F., & Hansen, M. D. 1999. Baseline NIH Stroke Scale score strongly predicts outcome after stroke: A report of the Trial of Org 10172 in Acute Stroke Treatment (TOAST). *Neurology*, 53(1), 126–131.
- Adams HP, Adams RJ, Brott T, *et al.* 2003. Guidelines for the early management of patients with ischemic stroke: A scientific statement from the Stroke Council of the American Stroke Association. *Stroke* 34:1956-1083.
- Alvarez-Perez, F. J., Castelo-Branco, M., & Alvarez-Sabin, J. 2011. Usefulness of measurement of fibrinogen, D-dimer, D-dimer/fibrinogen ratio, C reactive protein and erythrocyte sedimentation rate to assess the pathophysiology and mechanism of ischaemic stroke. *Journal of neurology, neurosurgery, and psychiatry*, 82(9), 986–992.
- Appelros, P., Stegmayr, B., & Terént, A. 2009. Sex differences in stroke epidemiology: a systematic review. *Stroke*, 40(4), 1082–1090.
- Artanti K, Martini S, Widati S, *et al.* 2020. Risk Factor based on the Type of Stroke at RSUD Soetomo, Surabaya, Indonesia. *Indian Journal of Forensic Medicine & Toxicology*, 1379, 14(1).
- Bai, H., Baik, N., Kiosses, W. B., Krajewski, S., Miles, L. A., & Parmer, R. J. 2011. The novel plasminogen receptor, plasminogen receptor(KT) (Plg-R(KT), regulates catecholamine release. *The Journal of biological chemistry*, 286(38), 33125–33133.
- Baird, A. E., Dambrosia, J., Janket, S., Eichbaum, Q., Chaves, C., Silver, B., Barber, P. A., Parsons, M., Darby, D., Davis, S., Caplan, L. R., Edelman, R. E., & Warach, S. 2001. A three-item scale for the early prediction of stroke recovery. *Lancet (London, England)*, 357(9274), 2095–2099.
- Bandera E. 2006. Cerebral Blood Flow Treshold of Ischemic Penumbra and Infarct Core in Acute Ischemic Stroke. *Stroke* 37:1334-1339

- Barone FC, Tuma RF, Legos JL, *et al.* 2002. Brain Inflammation, Cytokines, and p38 MAP Kinase Signaling in Stroke in Lin RCS: New Concept in Cerebral Ischemia. Boca Raton: CRC Press
- Brouns R, Van Den Bossche J, De Surgeloose D, *et al.* 2009. Clinical and biochemical diagnosis of small-vessel disease in acute ischemic stroke. *J Neurol Sci.* 285: 185–190
- Brown MM, Markus H, dan Oppenheimer S. 2006. Textbook of Stroke Medicine. Boca Raton: CRC Press
- Cahill M, Mistry R, Barnett DB. 1992. The human platelet fibrinogen receptor: clinical and therapeutic significance. *Br J Clin Pharmacol*; 33:3–9
- Connor JA dan Shuttleworth CWR. 2002. Intracellular Ca²⁺ signals underlying rapid and delayed excitotoxicity in mature CNS in Rick, CSL. New Concept in Cerebral Ischemia. Boca Raton: CRC Press
- Charla E, Mercer J, Maffia P, *et al.* 2020. Extracellular vesicle signalling in atherosclerosis. *Cellular Signalling* 75:109751
- Chen, L., Zhang, M., Yu, L., Huyan, M., Zhao, M., Deng, B., & Zhang, P. 2024. The role of the D-dimer to fibrinogen ratio in the classification of cardioembolism and atherosclerotic stroke. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*, 125, 43–50.
- Deanfield, J. E., Halcox, J. P., & Rabelink, T. J. 2007. Endothelial function and dysfunction: testing and clinical relevance. *Circulation*, 115(10), 1285–1295.
- Dicpinigaitis, A. J., Palumbo, K. E., Gandhi, C. D., Cooper, J. B., Hanft, S., Kamal, H., Shapiro, S. D., Feldstein, E., Kafina, M., Kurian, C., Chong, J. Y., Mayer, S. A., & Al-Mufti, F. 2022. Association of Elevated Body Mass Index with Functional Outcome and Mortality following Acute Ischemic Stroke: The Obesity Paradox Revisited. *Cerebrovascular diseases (Basel, Switzerland)*, 51(5), 565–569.
- Doolittle R. F. 2008. Searching for differences between fibrinogen and fibrin that affect the initiation of fibrinolysis. *Cardiovascular & hematological agents in medicinal chemistry*, 6(3), 181–189.
- Feske, S. K. 2021. Ischemic stroke. *The American Journal of Medicine*, 134(12), 1457–1464
- Förstermann, U., & Münzel, T. 2006. Endothelial nitric oxide synthase in vascular disease: from marvel to menace. *Circulation*, 113(13), 1708–1714.
- Gersh, K. C., Edmondson, K. E., & Weisel, J. W. 2010. Flow rate and fibrin fiber alignment. *Journal of thrombosis and haemostasis : JTH*, 8(12), 2826–2828.
- Gimbrone M. A., Jr. 1999. Vascular endothelium, hemodynamic forces, and atherogenesis. *The American journal of pathology*, 155(1), 1–5.
- Gomes J dan Wachsmann AM. 2013. Types of Strokes in Handbook of Clinical Nutrition and Stroke. New York: Humana Press
- Gong, P., Zhang, X., Gong, Y., Liu, Y., Wang, S., Li, Z., Chen, W., Zhou, F., Zhou, J., Jiang, T., & Zhang, Y. 2020. A novel nomogram to predict early

- neurological deterioration in patients with acute ischaemic stroke. *European journal of neurology*, 27(10), 1996–2005.
- Griendling, K. K., Sorescu, D., & Ushio-Fukai, M. 2000. NAD(P)H oxidase: role in cardiovascular biology and disease. *Circulation research*, 86(5), 494–501.
- Gusev E, dan Skvortsova I. 2003. *Brain Ischemia*. New York: Kluwer Academic/Plenum Publisher.
- Habib, A., Petrucci, G., & Rocca, B. 2020. Pathophysiology of Thrombosis in Peripheral Artery Disease. *Current vascular pharmacology*, 18(3), 204–214.
- Halcox, J. P., Narayanan, S., Cramer-Joyce, L., Mincemoyer, R., & Quyyumi, A. A. 2001. Characterization of endothelium-derived hyperpolarizing factor in the human forearm microcirculation. *American journal of physiology. Heart and circulatory physiology*, 280(6), H2470–H2477.
- Hansson G. K. 2005. Inflammation, atherosclerosis, and coronary artery disease. *The New England journal of medicine*, 352(16), 1685–1695.
- Harley SL, Sturge J, Powell JT. 2000. Regulation by fibrinogen and its products of intercellular adhesion molecule-1 expression in human saphenous vein endothelial cells. *Arterioscler Thromb Vasc Biol*; 20:652–8
- Herrick S, Blanc-Brude O, Gray A, Laurent G. Fibrinogen. 1993. *Int J Biochem Cell Biol*; 31:741–6.
- Hill, J. M., Zalos, G., Halcox, J. P., Schenke, W. H., Waclawiw, M. A., Quyyumi, A. A., & Finkel, T. 2003. Circulating endothelial progenitor cells, vascular function, and cardiovascular risk. *The New England journal of medicine*, 348(7), 593–600.
- Hoylaerts, M., Rijken, D. C., Lijnen, H. R., & Collen, D. 1982. Kinetics of the activation of plasminogen by human tissue plasminogen activator. Role of fibrin. *The Journal of biological chemistry*, 257(6), 2912–2919.
- Johnson W, Onuma O, Owolabi M, *et al.* 2016. Stroke: a global response is needed. *Bulletin of the World Health Organization*. 634A-635A, 94(9)
- Joundi, R. A., & Menon, B. K. 2021. Thrombus Composition, Imaging, and Outcome Prediction in Acute Ischemic Stroke. *Neurology*, 97(20 Suppl 2), S68–S78.
- Kalafut MA dan Saver JL. 2000. *The Acute Stroke Patient: The first six hours in* Cohen, S.N. *Management of Ischemic Stroke*. New York: McGraw Hill.
- Kamath, S., & Lip, G. Y. 2003. Fibrinogen: biochemistry, epidemiology and determinants. *QJM : monthly journal of the Association of Physicians*, 96(10), 711–729
- Kammersgaard, L. P., Jørgensen, H. S., Reith, J., Nakayama, H., Pedersen, P. M., Olsen, T. S., & Copenhagen Stroke Study. 2004. Short- and long-term prognosis for very old stroke patients. *The Copenhagen Stroke Study. Age and ageing*, 33(2), 149–154.
- Mackie IJ, Kitchen S, Machin SJ, *et al.* 2003. Guidelines on fibrinogen assays. *Br J Haematol*. 121:396–404.
- Makris, K., Haliassos, A., Chondrogianni, M., & Tsivgoulis, G. 2018. Blood biomarkers in ischemic stroke: potential role and challenges in clinical

- practice and research. *Critical Reviews in Clinical Laboratory Sciences*, 55(5), 294–328.
- Mosnier, L. O., Lisman, T., van den Berg, H. M., Nieuwenhuis, H. K., Meijers, J. C., & Bouma, B. N. 2001. The defective down regulation of fibrinolysis in haemophilia A can be restored by increasing the TAFI plasma concentration. *Thrombosis and haemostasis*, 86(4), 1035–1039.
- Nam, K. W., Kim, C. K., Yu, S., Oh, K., Chung, J. W., Bang, O. Y., Kim, G. M., Jung, J. M., Song, T. J., Kim, Y. J., Kim, B. J., Heo, S. H., Park, K. Y., Kim, J. M., Park, J. H., Choi, J. C., Park, M. S., Kim, J. T., Choi, K. H., Hwang, Y. H., Seo, W. K. 2023. D-dimer to fibrinogen ratio predicts early neurological deterioration in ischemic stroke with atrial fibrillation. *Thrombosis research*, 229, 219–224.
- Ntaios, G., & Hart, R. G. 2017. Embolic Stroke. *Circulation*, 136(25), 2403–2405.
- O'Connell, P. A., Madureira, P. A., Berman, J. N., Liwski, R. S., & Waisman, D. M. 2011. Regulation of S100A10 by the PML-RAR- α oncoprotein. *Blood*, 117(15), 4095–4105.
- Periayah, M. H., Halim, A. S., & Mat Saad, A. Z. 2017. Mechanism Action of Platelets and Crucial Blood Coagulation Pathways in Hemostasis. *International journal of hematology-oncology and stem cell research*, 11(4), 319–327.
- Petty, G. W., Brown, R. D., Jr, Whisnant, J. P., Sicks, J. D., O'Fallon, W. M., & Wiebers, D. O. 2000. Ischemic stroke subtypes : a population-based study of functional outcomes, survival, and recurrence. *Stroke*, 31(5), 1062–1068.
- Rafaqat, S., Gluscevic, S., Patoulis, D., Sharif, S., & Klisic, A. 2024. The Association between Coagulation and Atrial Fibrillation. *Biomedicines*, 12(2), 274.
- Reddin, C., Canavan, M., Hankey, G. J., Oveisgharan, S., Langhorne, P., Wang, X., Iversen, H. K., Lanar, F., Al-Hussain, F., Czlonkowska, A., Oğuz, A., Judge, C., Rosengren, A., Xavier, D., Yusuf, S., O'Donnell, M. J., & INTERSTROKE investigators. 2024. Association of Vascular Risk With Severe vs Non-Severe Stroke: An Analysis of the INTERSTROKE Study. *Neurology*, 103(11), e210087.
- Roy-O'Reilly, M., & McCullough, L. D. 2018. Age and Sex Are Critical Factors in Ischemic Stroke Pathology. *Endocrinology*, 159(8), 3120–3131.
- Sastroasmoro, S. & Ismael, S. 2011. *Dasar-dasar Metodologi Penelitian Klinis*. Jakarta: Sagung Seto.
- Schechter, A. N., & Gladwin, M. T. 2003. Hemoglobin and the paracrine and endocrine functions of nitric oxide. *The New England journal of medicine*, 348(15), 1483–1485.
- She, R., Yan, Z., Hao, Y., Zhang, Z., Du, Y., Liang, Y. 2021. Relationships between D-dimer levels and stroke risk as well as adverse clinical outcomes after acute ischemic stroke or transient ischemic attack: A systematic review and meta-analysis. *Front. Aging Neurosci*, Volume 14 – 2022.

- Shah PK. 2003. Mechanism of plaque vulnerability and rupture. *Journal of the American College of Cardiology* 41(4):18-22
- Shah R, Vyas C, Vora J, *et al.* 2014. NIHSS Score: A handy tool to predict vascular occlusion in acute ischemic stroke. *NHL Journal of Medical Science* 3(2): 18-22
- Shi, H. X., Li, C., Zhang, Y. Q., Li, X., Liu, A. F., Liu, Y. E., Jiang, W. J., & Lv, J. 2023. Predictors of Early Neurological Deterioration Occurring within 24 h in Acute Ischemic Stroke following Reperfusion Therapy: A Systematic Review and Meta-Analysis. *Journal of integrative neuroscience*, 22(2), 52.
- Smith EB. 1986. Fibrinogen, fibrin and fibrin degradation products in relation to atherosclerosis. *Clin Haematol*; 15:355–70.
- Smith, W. S., Tsao, J. W., Billings, M. E., Johnston, S. C., Hemphill, J. C., 3rd, Bonovich, D. C., & Dillon, W. P. 2006. Prognostic significance of angiographically confirmed large vessel intracranial occlusion in patients presenting with acute brain ischemia. *Neurocritical care*, 4(1), 14–17.
- Smith, S. A., Travers, R. J., & Morrissey, J. H. 2015. How it all starts: Initiation of the clotting cascade. *Critical reviews in biochemistry and molecular biology*, 50(4), 326–336.
- Solensky NJ. 2004. Transient ischemic attacks: Part I Diagnosis and Evaluation. *American Family Physician* 69:1666-1674
- Soize, S., Fabre, G., Gawlitza, M., Serre, I., Bakchine, S., Manceau, P. F., & Pierot, L. 2019. Can early neurological improvement after mechanical thrombectomy be used as a surrogate for final stroke outcome? *Journal of neurointerventional surgery*, 11(5), 450–454.
- Sprengers, E. D., & Kluft, C. 1987. Plasminogen activator inhibitors. *Blood*, 69(2), 381–387.
- Tian, T., Wang, L., Xu, J., Jia, Y., Xue, K., Huang, S., Shen, T., Luo, Y., Li, S., & Min, L. 2023. Prediction of early neurological deterioration in acute ischemic stroke patients treated with intravenous thrombolysis. *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*, 43(12), 2049–2059.
- Towfighi, A., & Ovbiagele, B. 2009. The impact of body mass index on mortality after stroke. *Stroke*, 40(8), 2704–2708.
- Webb, A. J. S., Lawson, A., Mazzucco, S., Li, L., Rothwell, P. M., & Oxford Vascular Study Phenotyped Cohort. 2021. Body Mass Index and Arterial Stiffness Are Associated With Greater Beat-to-Beat Blood Pressure Variability After Transient Ischemic Attack or Minor Stroke. *Stroke*, 52(4), 1330–1338.
- Wen, H., Wang, N., & Hou, R. 2022. Correlation analysis between D-dimer-to-fibrinogen-ratio and carotid plaque in young patients aged 18-45 with acute cerebral infarction. *Clinical neurology and neurosurgery*, 222, 107427.
- Wiseman S, Marlborough F, Doubal F, *et al.* 2014. Blood markers of coagulation, fibrinolysis, endothelial dysfunction and inflammation in lacunar stroke versus non-lacunar stroke and non-stroke: systematic review and meta-analysis. *Cerebrovasc Dis.* 37:64–75.

- Yuan, B., Yang, T., Yan, T., Cheng, W., & Bu, X. 2021. Relationships between D-dimer levels and stroke risk as well as adverse clinical outcomes after acute ischemic stroke or transient ischemic attack: A systematic review and meta-analysis.
- Yousufuddin, M., & Young, N. 2019. Aging and ischemic stroke. *Aging*, 11(9), 2542–2544.
- Zhai, Y., Huo, M., Liu, Y., Sun, H., Sun, Y., Li, F., Sun, H., & Tang, Y. 2025. Association of D-dimer/fibrinogen ratio and combination of D-dimer and fibrinogen with prognosis of stroke and stroke subtypes. *Neurological research*, 47(2), 96–104.
- Zhao, Y., Guo, M., Li, D., Xu, W., Pan, C., He, C., & Cui, X. 2023. Pharmacokinetics and Dosing Regimens of Direct Oral Anticoagulants in Morbidly Obese Patients: An Updated Literature Review. *Clinical and applied thrombosis/hemostasis : official journal of the International Academy of Clinical and Applied Thrombosis/Hemostasis*, 29, 10760296231153638.