

DAFTAR PUSTAKA

- Alawneh, K. Z., Qawasmeh, M. Al, Raffee, L. A., & Al-Mistarehi, A. H. (2022). Ischemic stroke demographics, clinical features and scales and their correlations: an exploratory study from Jordan. Future Science OA, 8(7), SIII-S4. <https://doi.org/10.2144/fsoa-2022-0017>
- Alfarisi, H. A. H., Mohamed, Z. B. H., & Ibrahim, M. Bin. (2020). Basic pathogenic mechanisms of atherosclerosis. Egyptian Journal of Basic and Applied Sciences, 7(1), 116–125. <https://doi.org/10.1080/2314808X.2020.1769913>
- Ali, A., Obaid, O., Akhtar, N. et al. Association between HDL levels and stroke outcomes in the Arab population. Sci Rep 14, 3071 (2024). <https://doi.org/10.1038/s41598-024-53613-z>
- Alsamani, R., Limin, Z., Jianwei, W., Dan, W., Yuehong, S., Ziwei, L., Huiwen, X., Dongzhi, W., Yijun, S., Lingye, Q., Xingquan, Z., & Guojun, Z. (2022). Predictive value of the apolipoprotein B/A1 ratio in intracerebral hemorrhage outcomes. Journal of Clinical Laboratory Analysis, 36(7), 1–10. <https://doi.org/10.1002/jcla.24562>
- Andone, S., Farczádi, L., Imre, S., & Bălașa, R. (2022). Fatty Acids and Lipid Paradox-Neuroprotective Biomarkers in Ischemic Stroke. International Journal of Molecular Sciences, 23(18). <https://doi.org/10.3390/ijms231810810>
- Ariyanti, R., & Besral, B. (2019). Dyslipidemia Associated with Hypertension Increases the Risks for Coronary Heart Disease: A Case-Control Study in Harapan Kita Hospital, National Cardiovascular Center, Jakarta. *Journal of Lipids*, 2019, 1–6. <https://doi.org/10.1155/2019/2517013>
- Averna, M., Banach, M., Bruckert, E., Drexel, H., Farnier, M., Gaita, D., Magni, P., März, W., Masana, L., Mello e Silva, A., Reiner, Z., Ros, E., Vrablik, M., Zambon, A., Zamorano, J. L., Stock, J. K., Tokgözoglu, L. S., & Catapano, A. L. (2021). Practical guidance for combination lipid-modifying therapy in high- and very-high-risk patients: A statement from a European Atherosclerosis Society Task Force. *Atherosclerosis*, 325(April), 99–109. <https://doi.org/10.1016/j.atherosclerosis.2021.03.039>
- Babakr AT. (2025). Oxidized low-density lipoproteins and their contribution to atherosclerosis. Explor Cardiol. 2025;3:101246. <https://doi.org/10.37349/ec.2025.101246>
- Bays, H. E., Taub, P. R., Epstein, E., Michos, E. D., Ferraro, R. A., Bailey, A. L., Kelli, H. M., Ferdinand, K. C., Echols, M. R., Weintraub, H., Bostrom, J., Johnson, H. M., Hoppe, K. K., Shapiro, M. D., German, C. A., Virani, S. S., Hussain, A., Ballantyne, C. M., Agha, A. M., & Toth, P. P. (2021). Ten things to know about ten cardiovascular disease risk factors. *American Journal of Preventive Cardiology*, 5(January), 100149. <https://doi.org/10.1016/j.ajpc.2021.100149>

- Behbodikhah, J., Ahmed, S., Elyasi, A., Kasselman, L. J., De Leon, J., Glass, A. D., & Reiss, A. B. (2021). Apolipoprotein b and cardiovascular disease: Biomarker and potential therapeutic target. *Metabolites*, 11(10). <https://doi.org/10.3390/metabo11100690>
- Chen, Q., Zhang, Z., Luo, N., & Qi, Y. (2023). Elevated visceral adiposity index is associated with increased stroke prevalence and earlier age at first stroke onset: Based on a national cross-sectional study. *Frontiers in Endocrinology*, 13(January), 1–12. <https://doi.org/10.3389/fendo.2022.1086936>
- Cheng, W., Zhuang, J., & Chen, S. (2022). Dyslipidemia and the Prevalence of Hypertension: A Cross-Sectional Study Based on Chinese Adults Without Type 2 Diabetes Mellitus. *Frontiers in Cardiovascular Medicine*, 9(July), 1–12. <https://doi.org/10.3389/fcvm.2022.938363>
- Chohan, S. A., Venkatesh, P. K., & How, C. H. (2019). Long-term complications of stroke and secondary prevention: An overview for primary care physicians. *Singapore Medical Journal*, 60(12), 616–620. <https://doi.org/10.11622/smedj.2019158>
- Chugh, C. (2019). Acute ischemic stroke: Management approach. *Indian Journal of Critical Care Medicine*, 23, S140–S146. <https://doi.org/10.5005/jp-journals-10071-23192>
- Dewi, R. I. K. (2024). Faktor Risiko Kejadian Stroke Pada Pasien Diabetes Melitus Di Indonesia: Narrative Review. *Jurnal Kesehatan Bakti Tunas Husada: Jurnal Ilmu-Ilmu Keperawatan, Analis Kesehatan Dan Farmasi*, 24(2), 161–171. <https://doi.org/10.36465/jkbth.v24i2.1322>
- Emily Eyth; Roopa Naik. (2022). *Hemoglobin A1C - StatPearls - NCBI Bookshelf* (pp. 1–5). <https://www.ncbi.nlm.nih.gov/books/NBK549816/>
- Fahmy, E. M., El Awady, M. A. E. S., Sharaf, S. A. A., Selim, N. M., Abdo, H. E. S., & Mohammed, S. S. (2020). Apolipoproteins A1 and B and their ratio in acute ischemic stroke patients with intracranial and extracranial arterial stenosis: an Egyptian study. *Egyptian Journal of Neurology, Psychiatry and Neurosurgery*, 56(1), 1–7. <https://doi.org/10.1186/s41983-020-00245-5>
- Favilla, C. G. (2020). Acute Ischemic Stroke. *The American Journal of Nursing*, 121(9), 26–33. <https://doi.org/10.1016/B978-0-323-63583-7.00041-2>
- Feingold, K. R. (2022). Lipid and Lipoprotein Metabolism. *Endocrinology and Metabolism Clinics of North America*, 51(3), 437–458. <https://doi.org/10.1016/j.ecl.2022.02.008>
- Feingold, K. R., & Chait, A. (2023). Approach to patients with elevated low-density lipoprotein cholesterol levels. *Best Practice and Research: Clinical Endocrinology and Metabolism*, 37(3), 101658. <https://doi.org/10.1016/j.beem.2022.101658>
- Galimberti, F., Casula, M., & Olmastroni, E. (2023). Apolipoprotein B compared

- with low-density lipoprotein cholesterol in the atherosclerotic cardiovascular diseases risk assessment. *Pharmacological Research*, 195(July), 106873. <https://doi.org/10.1016/j.phrs.2023.106873>
- Grossmann, I., Rodriguez, K., Soni, M., Joshi, P. K., Patel, S. C., Shreya, D., Zamora, D. I., Patel, G. S., & Sange, I. (2021). Stroke and Pneumonia: Mechanisms, Risk Factors, Management, and Prevention. *Cureus*, 13(11). <https://doi.org/10.7759/cureus.19912>
- Handayani, O., & Sargowo, D. (2017). Apolipoprotein B, LDL Cholesterol and apoB/apoA-I Ratio in Patients With Stable Angina. *Indonesian Journal of Cardiology*, 37(1), 6–12. <https://doi.org/10.30701/ijc.v37i1.550>
- Hanna, M., Wabnitz, A., & Grewal, P. (2024). Sex and stroke risk factors: A review of differences and impact. *Journal of Stroke and Cerebrovascular Diseases*, 33(4), 107624. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2024.107624>
- Hui, C., Tadi, P., & Patti, L. (2021). Ischemic Stroke - StatPearls - NCBI Bookshelf. In *StatPearls* (pp. 1–14). <https://www.ncbi.nlm.nih.gov/books/NBK499997/>
- Imran, Y., & Zahra, A. A. (2024). The Use of NIHSS as an Assessment of Acute Stroke Severity. *Journal of Society Medicine*, 3(2), 31–34. <https://doi.org/10.47353/jsocmed.v3i2.128>
- Johannesen, C. D. L., Mortensen, M. B., Langsted, A., & Nordestgaard, B. G. (2022). ApoB and Non-HDL Cholesterol Versus LDL Cholesterol for Ischemic Stroke Risk. *Annals of Neurology*, 92(3), 379–389. <https://doi.org/10.1002/ana.26425>
- Kalani, R., Krishnamoorthy, S., Deepa, D., Gopala, S., Prabhakaran, D., Tirschwell, D., & Sylaja, P. N. (2020). Apolipoproteins B and A1 in Ischemic Stroke Subtypes. *Journal of Stroke and Cerebrovascular Diseases*, 29(4), 104670. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2020.104670>
- Khatriwada, N., & Hong, Z. (2024). Potential Benefits and Risks Associated with the Use of Statins. *Pharmaceutics*, 16(2). <https://doi.org/10.3390/pharmaceutics16020214>
- Kifle, Z. D., Alehegn, A. A., Adugna, M., & Bayleyegn, B. (2021). Prevalence and predictors of dyslipidemia among hypertensive patients in Lumame Primary Hospital, Amhara, Ethiopia: A cross-sectional study. *Metabolism Open*, 11, 100108. <https://doi.org/10.1016/j.metop.2021.100108>
- Kosmas, C. E., Bousvarou, M. D., Kostara, C. E., Papakonstantinou, E. J., Salamou, E., & Guzman, E. (2023). Insulin resistance and cardiovascular disease. *Journal of International Medical Research*, 51(3). <https://doi.org/10.1177/03000605231164548>
- Kounatidis, D., Vallianou, N. G., Poulaki, A., Evangelopoulos, A., Panagopoulos, F., Stratigou, T., Geladari, E., Karampela, I., & Dalamaga, M. (2024). ApoB100 and Atherosclerosis: What's New in the 21st Century? *Metabolites*,

- 14(2). <https://doi.org/10.3390/metabo14020123>
- Lakatos, L.-B., Bolognese, M., Österreich, M., & Müller, L. W. and M. (2024). Pre-Stroke Antihypertensive Therapy Affects Stroke Severity and 3-Month Outcome of Ischemic MCA-Territory Stroke. *Diseases* 2024,.
- Lee;, Y., & Siddiqui., W. J. (2024). Cholesterol Levels - StatPearls - NCBI Bookshelf. In *StatPearls* [Internet]. <https://www.ncbi.nlm.nih.gov/books/NBK542294/>
- Lip, G. Y. H., Lane, D. A., Lenarczyk, R., Boriani, G., Doehner, W., Benjamin, L. A., Fisher, M., Lowe, D., Sacco, R. L., Schnabel, R., Watkins, C., Ntaios, G., & Potpara, T. (2022). Integrated care for optimizing the management of stroke and associated heart disease: a position paper of the European Society of Cardiology Council on Stroke. *European Heart Journal*, 43(26), 2442–2460. <https://doi.org/10.1093/eurheartj/ehac245>
- Liu, Y., Wang, J., Wei, Z., Wang, Y., Wu, M., Wang, J., Chen, X., & Chen, R. (2024). Association of phenotypic age and accelerated aging with severity and disability in patients with acute ischemic stroke. *Journal of Nutrition, Health and Aging*, 28(12), 100405. <https://doi.org/10.1016/j.jnha.2024.100405>
- Maghfirah, C. Z., Ikhsan, M., & Fonna, T. R. (2025). The Severity Of Ischemic Stroke Based On The National Institute Of Health Stroke Scale (NIHSS) Score In The Inpatient Room Of The Nervic Department Of Cut Meutia Hospital, North Aceh. *Jurnal Ilmiah Manusia Dan Kesehatan*, 8(2), 483–495.
- Ndrepepa, G. (2021). High-density lipoprotein: a double-edged sword in cardiovascular physiology and pathophysiology. *Journal of Laboratory and Precision Medicine*, 6(1). <https://doi.org/10.21037/jlpm-21-32>
- Nurmohamed, N. S., Navar, A. M., & Kastelein, J. J. P. (2021). New and Emerging Therapies for Reduction of LDL-Cholesterol and Apolipoprotein B. *Journal of The American College of Cardiology*, 77(12), 1564–1575. <https://doi.org/10.1016/j.jacc.2020.11.079>
- Ohara T, Uehara T, Sato S, Hayakawa M, Kimura K, Okada Y, Hasegawa Y, Tanahashi N, Suzuki A, Nakagawara J, Arii K, Nagahiro S, Ogasawara K, Uchiyama S, Matsumoto M, Iihara K, Toyoda K, Minematsu K; PROMISE-TIA Study Investigators. Small vessel occlusion is a high-risk etiology for early recurrent stroke after transient ischemic attack. *Int J Stroke*. 2019 Dec;14(9):871-877. doi: 10.1177/1747493019840931.
- Ohtani, R., Nirengi, S., & Sakane, N. (2020). Association Between Serum Apolipoprotein A1 Levels, Ischemic Stroke Subtypes and Plaque Properties of the Carotid Artery. *Journal of Clinical Medicine Research*, 12(9), 598–603. <https://doi.org/10.14740/jocmr4284>
- Ohya, Y., Matsuo, R., Sato, N., Irie, F., Wakisaka, Y., Ago, T., Kamouchi, M., & Kitazono, T. (2023). Modification of the effects of age on clinical outcomes through management of lifestyle-related factors in patients with acute

- ischemic stroke. *Journal of the Neurological Sciences*, 446(February). <https://doi.org/10.1016/j.jns.2023.120589>
- Patil, S., Rossi, R., Jabrah, D., & Doyle, K. (2022). Detection , Diagnosis and Treatment of Acute Ischemic Stroke: Current and Future Perspectives. *Frontiers in Medical Technology*, 4(1), 1–12. <https://doi.org/10.3389/fmedt.2022.748949>
- Pommerich, U. M., Stubbs, P. W., Eggertsen, P. P., Fabricius, J., & Nielsen, J. F. (2023). Regression-based prognostic models for functional independence after postacute brain injury rehabilitation are not transportable: a systematic review. *Journal of Clinical Epidemiology*, 156, 53–65. <https://doi.org/10.1016/j.jclinepi.2023.02.009>
- Portegijs, S., Ong, A. Y., Halbesma, N., Hutchison, A., Sudlow, C. L. M., & Jackson, C. A. (2022). Long-term mortality and recurrent vascular events in lacunar versus non-lacunar ischaemic stroke: A cohort study. *European Stroke Journal*, 7(1), 57–65. <https://doi.org/10.1177/23969873211062019>
- Rexrode, K. M., Madsen, T. E., Yu, A. Y. X., Carcel, C., Lichtman, J. H., & Miller, E. C. (2022). The Impact of Sex and Gender on Stroke. *Circulation Research*, 130(4), 512–528. <https://doi.org/10.1161/CIRCRESAHA.121.319915>
- Saceleanu, V. M., Toader, C., Ples, H., Covache-Busuioc, R. A., Costin, H. P., Bratu, B. G., Dumitrescu, D. I., Bordeianu, A., Corlatescu, A. D., & Ciurea, A. V. (2023). Integrative Approaches in Acute Ischemic Stroke: From Symptom Recognition to Future Innovations. *Biomedicines*, 11(10), 1–59. <https://doi.org/10.3390/biomedicines11102617>
- Schofield, J. D., Liu, Y., Rao-Balakrishna, P., Malik, R. A., & Soran, H. (2016). Diabetes Dyslipidemia. *Diabetes Therapy*, 7(2), 203–219. <https://doi.org/10.1007/s13300-016-0167-x>
- Simmons, C. A., Poupore, N., & Nathaniel, T. I. (2023). Age Stratification and Stroke Severity in the Telestroke Network. *Journal of Clinical Medicine*, 12(4). <https://doi.org/10.3390/jcm12041519>
- Shi Y, Guo L, Chen Y, et al. Risk factors for ischemic stroke: differences between cerebral small vessel and large artery atherosclerosis aetiologies. *Folia Neuropathologica*. 2021;59(4):378-385. doi:10.5114/fn.2021.112007.
- Strikić, D., Vujević, A., Perica, D., Leskovar, D., Paponja, K., Pećin, I., & Merćep, I. (2023). Importance of Dyslipidaemia Treatment in Individuals with Type 2 Diabetes Mellitus—A Narrative Review. *Diabetology*, 4(4), 538–552. <https://doi.org/10.3390/diabetology4040048>
- Van Tuyen, N., Hoang Ngoc, N., Quoc Hoan, P., Thi Yen, N., Hoan, N. X., & Cam Thach, N. (2024). Differential distribution of plasma apoA-I and apoB levels and clinical significance of apoB/apoA-I ratio in ischemic stroke subtypes. *Frontiers in Neurology*, 15(June), 1–11. <https://doi.org/10.3389/fneur.2024.1398830>

- Wang, R., Wang, M., Ye, J., Sun, G., & Sun, X. (2021). Mechanism overview and target mining of atherosclerosis: Endothelial cell injury in atherosclerosis is regulated by glycolysis (Review). *International Journal of Molecular Medicine*, 47(1), 65–76. <https://doi.org/10.3892/ijmm.2020.4798>
- Wang, S., Gao, H., Zhang, M., & Chen, S. (2024). High Apolipoprotein B/Apolipoprotein A1 is Associated with Vitamin D Deficiency Among Type 2 Diabetes Patients. *Diabetes, Metabolic Syndrome and Obesity*, 17(June), 2357–2369. <https://doi.org/10.2147/DMSO.S465391>
- Wang, Z., Liu, Y., Qie, R., & Hu, Y. (2025). Comparative analysis of stroke burden between ages 20–54 and over 55 years: based on the global burden of disease study 2019. *BMC Public Health*, 25(1). <https://doi.org/10.1186/s12889-025-22460-6>
- Xu, L., Shan, D., & Wu, D. (2025). Infarct volume as a predictor and therapeutic target in post-stroke cognitive impairment. *Frontiers in Medicine*, 12(February), 1–8. <https://doi.org/10.3389/fmed.2025.1519538>
- Yoon, C. W., & Bushnell, C. D. (2023). Stroke in Women: A Review Focused on Epidemiology, Risk Factors, and Outcomes. *Journal of Stroke*, 25(1), 2–15. <https://doi.org/10.5853/jos.2022.03468>
- Zhang, L., Ma, J., Wang, M., Zhang, L., Sun, W., Ji, H., Yue, C., Huang, J., Zi, W., Li, F., Guo, C., & Wang, P. (2024). The Association Between National Institutes of Health Stroke Scale Score and Clinical Outcome in Patients with Large Core Infarctions Undergoing Endovascular Treatment. *Neurology and Therapy*, 13(3), 563–581. <https://doi.org/10.1007/s40120-024-00588-8>