DAFTAR PUSTAKA

Abuzinadah AR, Alkully HS, Alanazy MH, Alrawaili MS, Milyani HA, AlAmri B, AlShareef AA, Bamaga AK. Translation, validation, and diagnostic accuracy of the Arabic version of the Michigan neuropathy screening instrument. Medicine (Baltimore). 2021 Nov 5;100(44):e27627. doi: 10.1097/MD.0000000000027627.

Ago T, Matsuo R, Hata J, Wakisaka Y, Kuroda J, Kitazono T, et al. Insulin resistance and clinical outcomes after acute ischemic stroke. Neurology (2018) 90(17):e1470–e7. doi: 10.1212/WNL.0000000000005358

Akter, T., Akhter, Q. S., Rahman, M., Azim, S. F., & Farid, F. (2016). Glycaemic status and insulin resistance in diabetic peripheral neuropathy. Journal of Bangladesh Society of Physiologist, 11(2), 54-58. https://doi.org/10.3329/jbsp.v11i2.30651

Al-Ani, F. S., Al-Nimer, M. S., & Ali, F. S. (2011). Dyslipidemia as a contributory factor in etiopathogenesis of diabetic neuropathy. *Indian Journal of Endocrinology and Metabolism*, *15*(2), 110–114.

American Diabetes Association. Standards of medical care in diabetes--2014. Diabetes Care. 2014 Jan;37 Suppl 1:S14-80. doi: 10.2337/dc14-S014. PMID: 24357209.

American Diabetes Association. 6. Glycemic targets: standards of medical care in diabetes. 2020. Diabetes Care 2020;43(Suppl 1):S66-S76.

Araújo, S. P., Juvanhol, L. L., Bressan, J., & Hermsdorff, H. H. M. (2022). Triglyceride glucose index: A new biomarker in predicting cardiovascular risk. *Preventive Medicine Reports*, *29* (August), 101941. https://doi.org/10.1016/j.pmedr.2022.101941

Asad A, Hameed MA, Khan UA, Ahmed N, Butt MA. Reliability of the neurological scores for assessment of sensorimotor neuropathy in type 2 diabetics. J Pak Med Assoc. 2010;60(3):166-170

Baum, P., Toyka, K. V., Blüher, M., Kosacka, J., & Nowicki, M. (2021). Inflammatory mechanisms in the pathophysiology of diabetic peripheral neuropathy (dn)—new aspects. International Journal of Molecular Sciences, 22(19), 10835. https://doi.org/10.3390/ijms221910835

Beckman, J. A., & Creager, M. A. (2016). Vascular complications of diabetes. *Circulation Research*, *118*(11), 1771–1785. https://doi.org/10.1161/CIRCRESAHA.115.306884

Bodman MA, Varacallo M. Peripheral Diabetic Neuropathy. [Updated 2023 Sep 4]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK442009/

Chang WT, Liu CC, Huang YT, Wu JY, Tsai WW, Hung KC, Chen IW, Feng PH. Diagnostic efficacy of the triglyceride-glucose index in the prediction of contrast-induced nephropathy following percutaneous coronary intervention. Front Endocrinol (Lausanne). 2023 Nov 22;14:1282675. https://doi.org/10.3389/fendo.2023.1282675

Chawla, A., Chawla, R., & Jaggi, S. (2016). Microvasular and macrovascular complications in diabetes melitus: Distinct or continuum? *Indian Journal of Endocrinology and Metabolism*, *20*(4), 546–553. https://doi.org/10.4103/2230-8210.183480

Chen, R., Ovbiagele, B., & Feng, W. (2016). Diabetes and Stroke: Epidemiology, Pathophysiology, Pharmaceuticals and Outcomes. *American Journal of the Medical Sciences*, *351*(4), 380–386. https://doi.org/10.1016/j.amjms.2016.01.011

Clair, C., Cohen, M. J., Eichler, F., Selby, K. J., & Rigotti, N. A. (2015). The effect of cigarette smoking on diabetic peripheral neuropathy: A systematic review and meta-analysis. *Journal of General Internal Medicine*, *30*(8), 1193–1203.

Dal Canto, E., Ceriello, A., Rydén, L., Ferrini, M., Hansen, T. B., Schnell, O., … Beulens, J. W. J. (2019). Diabetes as a cardiovascular risk factor: An overview of global trends of macro and micro vascular complications. *European Journal of Preventive Cardiology*, *26*(2_suppl), 25–32. https://doi.org/10.1177/2047487319878371

Dundar, C., Terzi, O., & Arslan, H. N. (2023). Comparison of the ability of HOMA-IR, VAI, and TyG indexes to predict metabolic syndrome in children with obesity: a cross-sectional study. *BMC Pediatrics*, *23*(1), 74.

Fadini, G. P., & Cosentino, F. (2018). Diabetes and ischaemic stroke: a deadly association. *European Heart Journal*, *39*(25), 2387–2389. https://doi.org/10.1093/eurheartj/ehy033

Febriana, S. and Ardhi, M. S. (2021). Correlation between triglyceride-glucose index and the clinical severity of acute thrombotic stroke. International Journal of Research Publications, 90(1). https://doi.org/10.47119/ijrp1009011220212536

Gherghina, M.-E., Peride, I., Tiglis, M., Neagu, T. P., Niculae, A., & Checherita, I. A. (2022). Uric acid and oxidative stress-relationship with cardiovascular, metabolic, and renal impairment. *International Journal of Molecular Sciences*, *23*(6), 3188.

Hartz, J. C., de Ferranti, S., & Gidding, S. (2018). Hypertriglyceridemia in diabetes melitus: Implications for pediatric care. *Journal of the Endocrine Society*, *2*(6), 497–512. https://doi.org/10.1210/js.2018-00079

Hirano, T. (2018). Pathophysiology of diabetic dyslipidemia. *Journal of Atherosclerosis and Thrombosis*, *25*(9), 771–782. https://doi.org/10.5551/jat.RV17023

Hu, L., Bao, H., Huang, X., Zhou, W., Wang, T., Zhu, L., … & Cheng, X. (2022). Relationship between the triglyceride glucose index and the risk of first stroke in elderly hypertensive patients. International Journal of General Medicine, Volume 15, 1271-1279. https://doi.org/10.2147/ijgm.s350474

Huang, Y., Huang, J., Liu, L., Chen, C., Yu, Y., Tang, S., … & Feng, Y. (2019). Relationship between triglyceride levels and ischaemic stroke in elderly hypertensive patients. Postgraduate Medical Journal, 96(1133), 128-133. https://doi.org/10.1136/postgradmedj-2019-136961

Höke A. Animal models of peripheral neuropathies. Neurotherapeutics. 2012;9:262–269.

Kaewput, W., Thongprayoon, C., Rangsin, R., Jindarat, S., Narindrarangkura, P., Bathini, T., Mao, M. A., & Cheungpasitporn, W. (2020). The association between serum uric acid and peripheral neuropathy in patients with type 2 diabetes mellitus: A multicenter nationwide CrossSectional study. *Korean Journal of Family Medicine*, *41*(3), 189–194.

Kassab, H. S., Osman, N. A., & Elrahmany, S. M. (2023). Assessment of Triglyceride–Glucose Index and Ratio in Patients with Type 2 Diabetes and Their Relation to Microvascular Complications. *Endocrine Research*, *48*(4), 94–100. https://doi.org/10.1080/07435800.2023.2245909

Katakami, N. (2018). Mechanism of development of atherosclerosis and cardiovascular disease in diabetes melitus. *Journal of Atherosclerosis and Thrombosis*, *25*(1), 27–39. https://doi.org/10.5551/jat.RV17014

Khalil, Diabetes microvascular complications—A clinical update,Diabetes & Metabolic Syndrome: Clinical Research & Reviews, Volume 11, Supplement 1, 2017, Pages S133-S139, ISSN 1871-4021, https://doi.org/10.1016/j.dsx.2016.12.022.

Kesavulu MM, Giri R, Kameswara Rao B, Apparao C. Lipid peroxidation and antioxidant enzyme levels in type 2 diabetics with microvascular complications. Diabetes Metab. 2000;26:387-392.

Kim B, McLean LL, Philip SS, Feldman EL. Hyperinsulinemia induces insulin resistance in dorsal root ganglion neurons. Endocrinology. 2011;152:3638–3647

Krentz, A. J., Clough, G., & Byrne, C. D. (2007). Interactions between microvascular and macrovascular disease in diabetes: Pathophysiology and therapeutic implications. *Diabetes, Obesity and Metabolism*, *9*(6), 781–791. https://doi.org/10.1111/j.1463-1326.2007.00670.x

Kuang, M., Yang, R., Huang, X., Wang, C., Sheng, G., Xie, G., … & Zou, Y. (2023). Assessing temporal differences in the predictive power of baseline tyg-related parameters for future diabetes: an analysis using time-dependent receiver operating characteristics. Journal of Translational Medicine, 21(1). https://doi.org/10.1186/s12967-023-04159-7

Kumar, Utkarsh & Singh, Anjali & Singla, Deepak & Agrawal, Nivesh. (2023). Relationship between the duration of diabetes and severity of neuropathy in patients of peripheral neuropathic diabetic foot ulcers. International Journal of Research in Medical Sciences. 11. 1549-1552. 10.18203/2320-6012.ijrms20231313.

Lee, E. Y., Yang, H. K., Lee, J., Kang, B., Yang, Y., Lee, S. H., … & Cho, J. H. (2016). Triglyceride glucose index, a marker of insulin resistance, is associated with coronary artery stenosis in asymptomatic subjects with type 2 diabetes. Lipids in Health and Disease, 15(1). https://doi.org/10.1186/s12944-016-0324-2

Lee, J., Kim, M.-H., Jang, J.-Y., & Oh, C.-M. (2023). Assessment HOMA as a predictor for new onset diabetes mellitus and diabetic complications in non-diabetic adults: a KoGES prospective cohort study. *Clinical Diabetes and Endocrinology*, *9*(1), 7.

Li, X., Zhu, J., Liu, N., Liu, J., & Zhang, Z. (2017). Tnf-alpha in peripheral neuropathy patients with impaired glucose regulation. Journal of Diabetes Research, 2017, 1-6. https://doi.org/10.1155/2017/7024024

Li L, Li C. Microvascular complications of diabetes worsen long-term functional outcomes after acute ischemic stroke. Journal of International Medical Research. 2018;46(8):3030-3041. doi:10.1177/0300060517734743

Li, Z., Zhang, M., Han, L., Fu, L., Wu, Y., Chen, H., & Feng, L. (2023). Counterintuitive relationship between the triglyceride glucose index and diabetic foot in diabetes patients: A cross-sectional study. *PLoS ONE*, *18*(11 November), 1–14. https://doi.org/10.1371/journal.pone.0293872

Lin, S., Hu, H., Chao, H., Ho, B., Chen, C., Chan, L., … & Chao, A. (2022). Triglyceride-glucose index and intravenous thrombolysis outcomes for acute ischemic stroke: a multicenter prospective–cohort study. Frontiers in Neurology, 13. https://doi.org/10.3389/fneur.2022.737441

Liu, L., Xia, R., Song, X., Zhang, B., He, W., Zhou, X., Li, S., & Yuan, G. (2021). Association between the triglyceride-glucose index and diabetic nephropathy in patients with type 2 diabetes: A cross-sectional study. *Journal of Diabetes Investigation*, *12*(4), 557–565.

Lu, Yongxia MDa; Wang, Wei MDa; Liu, Jingyu MDa; Xie, Min MDb; Liu, Qiang MDa; Li, Sufang MDa,*. Vascular complications of diabetes: A narrative review. Medicine 102(40):p e35285, October 06, 2023. | DOI: 10.1097/MD.0000000000035285

Maida, C. D., Daidone, M., Pacinella, G., Norrito, R. L., Pinto, A., & Tuttolomondo, A. (2022). Diabetes and Ischemic Stroke: An Old and New Relationship an Overview of the Close Interaction between These Diseases. *International Journal of Molecular Sciences*, *23*(4). https://doi.org/10.3390/ijms23042397

Masoodian, S. M., Omidifar, A., Moradkhani, S., Asiabanha, M., & Khoshmirsafa, M. (2023). HOMA-IR mean values in healthy individuals: a population-based study in iranian subjects. *Journal of Diabetes and Metabolic Disorders*, *22*(1), 219–224.

Meijer G et al. Clinical Diagnosis of Diabetic Polyneuropathy with the Diabetic Symptom and Diabetic Neuropathy Examination Scores. Diabetic Care. 2003;26:697-701.

Miedema, K. 2005. Standardization of HbA1c and Optimal Range of Monitoring. Scand J Clin Lab Invest Suppl.; 240: 61-72.

Nabipoorashrafi, S. A., Adeli, A., Seyedi, S. A., Rabizadeh, S., Arabzadeh Bahri, R., Mohammadi, F., Yadegar, A., Nakhjavani, M., & Esteghamati, A. (2023). Comparison of insulin resistance indices in predicting albuminuria among patients with type 2 diabetes. *European Journal of Medical Research*, *28*(1), 166.

Navarro-González, D., Sánchez-Íñigo, L., Fernandez-Montero, A., Pastrana-Delgado, J., & Martínéz, J. A. (2016). Tyg index change is more determinant for forecasting type 2 diabetes onset than weight gain. Medicine, 95(19), e3646. https://doi.org/10.1097/md.0000000000003646

Nayak, V. K. R., Satheesh, P., Shenoy, M. T., & Kalra, S. (2022). Triglyceride Glucose (TyG) Index: A surrogate biomarker of insulin resistance. *Journal of the Pakistan Medical Association*, *72*(5), 986–988. https://doi.org/10.47391/JPMA.22-63

Oh J. Clinical spectrum and diagnosis of diabetic neuropathies. Korean J Intern Med. 2020 Sep;35(5):1059-1069. doi: 10.3904/kjim.2020.202.

Pan, Y., Zhong, S., Zhou, K., Tian, Z., Chen, F., Liu, Z., … & Hu, J. (2021). Association between diabetes complications and the triglyceride-glucose index in hospitalized patients with type 2 diabetes. Journal of Diabetes Research, 2021, 1-6. https://doi.org/10.1155/2021/8757996

Pechlivani, N., & Ajjan, R. A. (2018). Thrombosis and Vascular Inflammation in Diabetes: Mechanisms and Potential Therapeutic Targets. *Frontiers in Cardiovascular Medicine*, *5*. https://doi.org/10.3389/fcvm.2018.00001

PERKENI. (2020). Pedoman Diagnostik dan Pengelolaan Diabetes Melitus. Perkumpulan Endokrinologi Indonesia.

Petersen MC, Shulman GI. Mechanisms of Insulin Action and Insulin Resistance. Physiol Rev 98: 2133–2223, 2018. Published August 1, 2018; doi:10.1152/physrev. 00063.2017.

Poznyak, A., Grechko, A. V., Poggio, P., Myasoedova, V. A., Alfieri, V., & Orekhov, A. N. (2020). The diabetes melitus–atherosclerosis connection: The role of lipid and glucose metabolism and chronic inflammation. *International Journal of Molecular Sciences*, *21*(5), 1–13. https://doi.org/10.3390/ijms21051835

Rajbhandari, J., Fernandez, C. J., Agarwal, M., Yeap, B. X. Y., & Pappachan, J. M. (2021). Diabetic heart disease: A clinical update. *World Journal of Diabetes*, *12*(4), 383–406. https://doi.org/10.4239/wjd.v12.i4.383

Rajendran, S., Kizhakkayil Padikkal, A. K., Mishra, S., & Madhavanpillai, M. (2022). Association of lipid accumulation product and triglyceride-glucose index with metabolic syndrome in young adults: A cross-sectional study. *International Journal of Endocrinology and Metabolism*, *20*(2), e115428.

Rolim, L. C. D. S. P., De Sá, J. R., Chacra, A. R., & Dib, S. A. (2008). Diabetic cardiovascular autonomic neuropathy: Risk factors, clinical impact and early diagnosis. *Arquivos Brasileiros de Cardiologia*, *90*(4), 23–31. https://doi.org/10.1590/S0066-782X2008000400014

Rotter, I., Rył, A., Szylińska, A., Pawlukowska, W., Lubkowska, A., & Laszczyńska, M. (2017). Lipid accumulation product (LAP) as an index of metabolic and hormonal disorders in aging men. *Experimental and Clinical Endocrinology & Diabetes*, *125*(3), 176–182.

Saini V, Guada L, Yavagal DR. Global epidemiology of stroke and access to acute ischemic stroke interventions. Neurology (2021) 97(20 Supplement 2):S6. doi: 10.1212/WNL.0000000000012781

Samavarchitehrani, A., Cannavo, A., Behnoush, A. H., Kazemi Abadi, A., Shokri Varniab, Z., & Khalaji, A. (2024). Investigating the association between the triglyceride-glucose index and peripheral artery disease: a systematic review and meta-analysis. *Nutrition & Diabetes*, *14*(1), 80.

Sánchez-García, A., Rodríguez-Gutiérrez, R., Mancillas-Adame, L., González-Nava, V., González-Colmenero, A. D., Solis, R. C., … González-González, J. G. (2020). Diagnostic Accuracy of the Triglyceride and Glucose Index for Insulin Resistance: A Systematic Review. *Int J Endocrinol*.

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

Shukla, V., Shakya, A. K., Perez-Pinzon, M. A., & Dave, K. R. (2017). Cerebral ischemic damage in diabetes: An inflammatory perspective. *Journal of Neuroinflammation*, *14*(1), 1–22. https://doi.org/10.1186/s12974-016-0774-5

Simental-Mendía, L. E., Rodríguez-Morán, M., & Guerrero-Romero, F. (2008). The product of fasting glucose and triglycerides as surrogate for identifying insulin resistance in apparently healthy subjects. *Metabolic Syndrome and Related Disorders*, *6*(4), 299–304. https://doi.org/10.1089/met.2008.0034

Son, D.-H., Lee, H. S., Lee, Y.-J., Lee, J.-H., & Han, J.-H. (2022). Comparison of triglyceride-glucose index and HOMA-IR for predicting prevalence and

incidence of metabolic syndrome. *Nutrition, Metabolism, and Cardiovascular Diseases: NMCD*, *32*(3), 596–604.

Srinivasan, S., Singh, P., Kulothungan, V., Sharma, T., & Raman, R. (2020). Relationship between triglyceride glucose index, retinopathy and nephropathy in type 2 diabetes. Endocrinology, Diabetes &Amp; Metabolism, 4(1). https://doi.org/10.1002/edm2.151

Su, W., Chen, S., Huang, Y., Huang, J., & Wu, P. (2019). Comparison of the Effects of Fasting Glucose, Hemoglobin A1c, and Triglyceride–Glucose Index on Cardiovascular Events in Type 2 Diabetes Melitus. *Nutrients*, *11*(11), 1–13.

Sun H, Saeedi P, Karuranga S, Pinkepank M, Ogurtsova K, Duncan BB, Stein C, Basit A, Chan JCN, Mbanya JC, Pavkov ME, Ramachandaran A, Wild SH, James S, Herman WH, Zhang P, Bommer C, Kuo S, Boyko EJ, Magliano DJ. IDF Diabetes Atlas: Global, regional and country-level diabetes prevalence estimates for 2021 and projections for 2045. Diabetes Res Clin Pract. 2022 Jan;183:109119. doi: 10.1016/j.diabres.2021.109119. Epub 2021 Dec 6. Erratum in: Diabetes Res Clin Pract. 2023 Oct;204:110945. PMID: 34879977.

Tabur, S., Korkmaz, H., Özkaya, M., Aksoy, Ş., & Akarsu, E. (2015). Is calprotectin a novel biomarker of neuroinflammation in diabetic periferal neuropathy?. Diabetology &Amp; Metabolic Syndrome, 7(1). https://doi.org/10.1186/s13098-015-0030-7

Tao, L. C., Xu, J. ni, Wang, T. ting, Hua, F., & Li, J. J. (2022). Triglyceride-glucose index as a marker in cardiovascular diseases: landscape and limitations. *Cardiovascular Diabetology*, *21*(1), 1–17. https://doi.org/10.1186/s12933-022-01511-x

Tesfaye S, Boulton AJ, Dyck PJ, et al. Diabetic neuropathies: update on definitions, diagnostic criteria, estimation of severity, and treatments. Diabetes Care 2010;33:2285-2293.

Tu, Z., Du, J., Ge, X., Peng, W., Shen, L., Xia, L., Jiang, X., Hu, F., & Huang, S. (2024). Triglyceride glucose index for the detection of diabetic kidney disease and diabetic peripheral neuropathy in hospitalized patients with type 2 diabetes. *Diabetes Therapy: Research, Treatment and Education of Diabetes and Related Disorders*, *15*(8), 1799–1810.

Tun, N. N., Arunagirinathan, G., Munshi, S. K., & Pappachan, J. M. (2017). Diabetes melitus and stroke: A clinical update. *World J Diabetes*, *8*(6), 235–248. https://doi.org/10.1161/strokeaha.111.614313

Turner N, Heilbronn LK. Is mitochondrial dysfunction a cause of insulin resistance? Trends Endocrinol Metab. 2008;19:324–330.

Vazzana, N., Ranalli, P., Cuccurullo, C., & Davì, G. (2012). Diabetes melitus and thrombosis. *Thromb Res.*, *129*(3), 371–377.