

DAFTAR PUSTAKA

- Al-Rawahi, A. (2020). Role of hyperbaric oxygen therapy on microvascular diabetic complications and metabolic profile among patients with type 2 diabetes mellitus. *Oman Medical Journal*, 35(3), 1–3.
<https://doi.org/10.5001/omj.2020.47>
- Aliviameita, A., Elensya, N., Puspitasari, P., & Hanum, S. M. F. (2020). The Effects of Hyperbaric Oxygen Therapy on Blood Glucose Levels and Lipid Profile in Diabetes Mellitus Patients. *Medical Laboratory Technology Journal*, 6(2), 115. <https://doi.org/10.31964/mltj.v0i0.307>
- Atlas, I. D. F. D. (1955). International Diabetes Federation. In *The Lancet* (Vol. 266, Issue 6881). [https://doi.org/10.1016/S0140-6736\(55\)92135-8](https://doi.org/10.1016/S0140-6736(55)92135-8)
- Baitule, S., Patel, A. H., Murthy, N., Sankar, S., Kyrou, I., Ali, A., Randeva, H. S., & Robbins, T. (2021). A systematic review to assess the impact of hyperbaric oxygen therapy on glycaemia in people with diabetes mellitus. *Medicina (Lithuania)*, 57(10), 1–12.
<https://doi.org/10.3390/medicina57101134>
- Banday, M. Z., Sameer, A. S., & Nissar, S. (2020). Pathophysiology of diabetes: An overview. *Avicenna Journal of Medicine*, 10(04), 174–188. https://doi.org/10.4103/ajm.ajm_53_20
- Biggs, A. T., Littlejohn, L. F., & Dainer, H. M. (2022). Department of Defense positions on alternative uses of hyperbaric oxygen therapy. *Undersea and Hyperbaric Medicine*, 49(1), 57–63.
<https://doi.org/10.22462/01.02.2022.5>
- Blonde, L., Health, O., Orleans, N., Pharmaceuticals, J., Pharmaceuticals, S., Umpierrez, G. E., Nordisk, N., Leaders, T., Reddy, S. S., Pleasant, M., McGill, J. B., Ingelheim, B., Lilly, E., Bionics, B., Nordisk, N., Members, T. F., Berga, S. L., Health, M., Board, A., ... Galindo, R. J.

- (2023). Developing a Diabetes Mellitus Comprehensive Care Pland. *Departement of Health & Human Services USA*, 28(10), 923–1049. <https://doi.org/10.1016/j.eprac.2022.08.002.Address>
- Bonaventura, A., Carbone, S., Dixon, D. L., Abbate, A., & Montecucco, F. (2019). Pharmacologic strategies to reduce cardiovascular disease in type 2 diabetes mellitus: focus on SGLT-2 inhibitors and GLP-1 receptor agonists. *Journal of Internal Medicine*, 286(1), 16–31. <https://doi.org/10.1111/joim.12890>
- Cannello, M., Yasells García, A., & Landa, M. S. (2024). Hyperoxia: Effective Mechanism of Hyperbaric Treatment at Mild-Pressure. *International Journal of Molecular Sciences*, 25(2). <https://doi.org/10.3390/ijms25020777>
- Capó, X., Monserrat-Mesquida, M., Quetglas-Llabrés, M., Batle, J. M., Tur, J. A., Pons, A., Sureda, A., & Tejada, S. (2023). Hyperbaric Oxygen Therapy Reduces Oxidative Stress and Inflammation, and Increases Growth Factors Favouring the Healing Process of Diabetic Wounds. *International Journal of Molecular Sciences*, 24(8). <https://doi.org/10.3390/ijms24087040>
- Care, D., & Suppl, S. S. (2021). 2. Classification and diagnosis of diabetes: Standards of medical care in diabetes-2021. *Diabetes Care*, 44(January), S15–S33. <https://doi.org/10.2337/dc21-S002>
- Cole, J. B., & Florez, J. C. (2020). Genetics of diabetes mellitus and diabetes complications. *Nature Reviews Nephrology*, 16(7), 377–390. <https://doi.org/10.1038/s41581-020-0278-5>
- De Wolde, S. D., Hulskes, R. H., Weenink, R. P., Hollmann, M. W., & Van Hulst, R. A. (2021). The effects of hyperbaric oxygenation on oxidative stress, inflammation and angiogenesis. *Biomolecules*, 11(8), 1–47. <https://doi.org/10.3390/biom11081210>

- Demir, L., Aktaş, Ş., Gül, N., Mirasoğlu, B., Satman, I., & Avci, M. (2024). Effect of Hyperbaric Oxygen Therapy on Fasting Blood Glucose and Insulin Resistance. *Istanbul Tıp Fakültesi Dergisi*, 87(4), 327–333. <https://doi.org/10.26650/IUITFD.1488854>
- Galicia-garcia, U., Benito-vicente, A., Jebari, S., & Larrea-sebal, A. (2020). *Costus ignus*: Insulin plant and its preparations as remedial approach for diabetes mellitus. *International Journal of Molecular Sciences*, 1–34.
- Graves, L. E., & Donaghue, K. C. (2020). Vascular Complication in Adolescents With Diabetes Mellitus. *Frontiers in Endocrinology*, 11(June). <https://doi.org/10.3389/fendo.2020.00370>
- Heo, S., Kang, J. H., Barbé, T., Kim, J. S., Bertulfo, T. F., Troyan, P., Streit, L., & Slocumb, R. H. (2024). Relationships of Multidimensional Factors to Diabetes Complications: A Cross-Sectional, Correlational Study. *Western Journal of Nursing Research*. <https://doi.org/10.1177/01939459241271332>
- Jain, K. K. (2017). Textbook of Hyperbaric Medicine. In *Textbook of Hyperbaric Medicine*. <https://doi.org/10.1007/978-3-319-47140-2>
- Jiang, J., Zhao, C., Han, T., Shan, H., Cui, G., Li, S., Xie, Z., & Wang, J. (2022). Advanced Glycation End Products, Bone Health, and Diabetes Mellitus. *Experimental and Clinical Endocrinology and Diabetes*, 130(10), 671–677. <https://doi.org/10.1055/a-1861-2388>
- Journal, I., & Science, M. (2018). *The Difference Of Quality Of Life On Patients Of Diabetes Mellitus Between Giving Hyperbaric Oxygen Therapy 10 Days And 5 Days*. *Emergency Department School of Health Ngudia Husada of Madura* Keywords. 2(December).
- Kahraman, C., & Yaman, H. (2021). Hyperbaric oxygen therapy affects insulin sensitivity/resistance by increasinadiponectin, resistin, and

plasminogen activator inhibitor-i in rats. *Turkish Journal of Medical Sciences*, 51(3), 1572–1578. <https://doi.org/10.3906/sag-2011-76>

Lindenmann, J., Smolle, C., Kamolz, L. P., Smolle-juettner, F. M., & Graier, W. F. (2021). Survey of molecular mechanisms of hyperbaric oxygen in tissue repair. *International Journal of Molecular Sciences*, 22(21). <https://doi.org/10.3390/ijms222111754>

Liu, Y., Zhang, D., Yuan, J., Song, L., Zhang, C., Lin, Q., Li, M., Sheng, Z., Ma, Z., Lv, F., Gao, G., & Dong, J. (2020). Hyperbaric Oxygen Ameliorates Insulin Sensitivity by Increasing GLUT4 Expression in Skeletal Muscle and Stimulating UCP1 in Brown Adipose Tissue in T2DM Mice. *Frontiers in Endocrinology*, 11(January), 1–11. <https://doi.org/10.3389/fendo.2020.00032>

Nair, L. (2015). Hyperbaric Medicine. In *Connecticut medicine* (Vol. 79, Issue 5).

Nauck, M. A., Quast, D. R., Wefers, J., & Meier, J. J. (2021). GLP-1 receptor agonists in the treatment of type 2 diabetes – state-of-the-art. *Molecular Metabolism*, 46(October 2020), 101102. <https://doi.org/10.1016/j.molmet.2020.101102>

Olorunfemi, B. O., Ogunde, A. O., Almogren, A., Adeniyi, A. E., Ajagbe, S. A., Bharany, S., & Altameem, A. (2025). *Efficient diagnosis of diabetes mellitus using an improved ensemble method*. 1–23.

Rajkovic, J., Gostimirovic, M., Peric, M., Stanisic, J., Novakovic, R., Djokic, V., Tepavcevic, S., Rakocevic, J., Labudovic-Borovic, M., Heinle, H., & Gojkovic-Bukarica, L. (2022). Impact of type-2 diabetes mellitus on expression of atp-sensitive potassium channel subunits in human bypass grafts. *Atherosclerosis*, 355(2022), 205. <https://doi.org/10.1016/j.atherosclerosis.2022.06.820>

Reddy, V. K. K., Shiddapur, G., Jagdale, N., Kondapalli, M. P., & Adapa,

- S. (2024). Investigating Interleukin-6 Levels in Type 2 Diabetes Mellitus Patients With and Without Diabetic Nephropathy. *Cureus*, 16(8). <https://doi.org/10.7759/cureus.67014>
- Richard E., U. and H. M. S. H. O. C., & Moon. (2019). *Hyperbaric oxygen therapy indications* (Vol. 14).
- Sacks, D. B., Arnold, M., Bakris, G. L., Bruns, D. E., Horvath, A. R., Lernmark, Å., Metzger, B. E., Nathan, D. M., & Kirkman, M. S. (2023). Executive Summary: Guidelines and Recommendations for Laboratory Analysis in the Diagnosis and Management of Diabetes Mellitus. *Diabetes Care*, 46(10), 1740–1746. <https://doi.org/10.2337/dci23-0048>
- Sarabhai, T., Mastrototaro, L., Kahl, S., Bönhof, G. J., Jonuscheit, M., Bobrov, P., Katsuyama, H., Guthoff, R., Wolkersdorfer, M., Herder, C., Meuth, S. G., Dreyer, S., & Roden, M. (2023). Hyperbaric oxygen rapidly improves tissue-specific insulin sensitivity and mitochondrial capacity in humans with type 2 diabetes: a randomised placebo-controlled crossover trial. *Diabetologia*, 66(1), 57–69. <https://doi.org/10.1007/s00125-022-05797-0>
- Soelistijo, S. (2021). Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia 2021. *Global Initiative for Asthma*, 46. www.ginasthma.org.
- Szablewski, L. (2025). Associations Between Diabetes Mellitus and Neurodegenerative Diseases. *International Journal of Molecular Sciences*, 26(2), 1–50. <https://doi.org/10.3390/ijms26020542>
- Taylor, S. I., Yazdi, Z. S., & Beitelshes, A. L. (2021). Pharmacological treatment of hyperglycemia in type 2 diabetes. *Journal of Clinical Investigation*, 131(2), 1–14. <https://doi.org/10.1172/JCI142243>
- Tomic, D., Shaw, J. E., & Magliano, D. J. (2022). The burden and risks of

emerging complications of diabetes mellitus. *Nature Reviews Endocrinology*, 18(9), 525–539. <https://doi.org/10.1038/s41574-022-00690-7>

West, J. B. (2012). High-altitude medicine. *American Journal of Respiratory and Critical Care Medicine*, 186(12), 1229–1237. <https://doi.org/10.1164/rccm.201207-1323CI>

Westman, E. C. (2021). Type 2 Diabetes Mellitus: A Pathophysiologic Perspective. *Frontiers in Nutrition*, 8(August), 1–5. <https://doi.org/10.3389/fnut.2021.707371>

Wilkinson, D. C., Chapman, I. M., & Heilbronn, L. K. (2020). Hyperbaric oxygen but not hyperbaric air increases insulin sensitivity in men with type 2 diabetes mellitus. *Diving and Hyperbaric Medicine*, 50(4), 386–390. <https://doi.org/10.28920/dhm50.4.386-390>

World Health Organization. (2016). Global Report on Diabetes. *Isbn*, 978, 88. [https://doi.org/ISBN 978 92 4 156525 7](https://doi.org/ISBN%20978%2092%204%20156525%207)

World Health Organization. (2022). Management of diabetes mellitus standards of care and clinical practice Guidelines. *Diabetes Prevention and Control*, DIN6, 1–35.

Yameny, A. A. (2024). Diabetes Mellitus Overview 2024. *Journal of Bioscience and Applied Research*, 10(3), 641–645. <https://doi.org/10.21608/jbaar.2024.382794>

Zhang, C., Zhang, D., Wang, H., Lin, Q., Li, M., Yuan, J., Gao, G., & Dong, J. (2022). Hyperbaric oxygen treatment improves pancreatic β -cell function and hepatic gluconeogenesis in STZ-induced type-2 diabetes mellitus model mice. *Molecular Medicine Reports*, 25(3), 1–10. <https://doi.org/10.3892/mmr.2022.12606>