

9 REFERENCES

- Abdul-Ghani, M. A., Tripathy, D., & Defronzo, R. A. (2006). *Contributions of-Cell Dysfunction and Insulin Resistance to the Pathogenesis of Impaired Glucose Tolerance and Impaired Fasting Glucose*. <https://doi.org/10.2337/dc05-2179>
- Agte, V. V., & Tarwadi, K. (2004). *Sudarshan Kriya Yoga for Treating Type 2 Diabetes: A Preliminary Study*. *Alternative and Complementary Therapies*, 10(4), 220–222. <https://doi.org/10.1089/1076280041580323>
- Ajay, V. S., Prabhakaran, D., Jeemon, P., Thankappan, K. R., Mohan, V., Ramakrishnan, L., Joshi, P., Ahmed, F. U., Mohan, B. V. M., Chaturvedi, V., Mukherjee, R., & Reddy, K. S. (2008). Prevalence and determinants of diabetes mellitus in the Indian industrial population. *Diabetic Medicine*, 25(10), 1187–1194. <https://doi.org/10.1111/j.1464-5491.2008.02554.x>
- Angadi, P., Jagannathan, A., Thulasi, A., Kumar, V., Umamaheshwar, K., & Raghuram, N. (2017). Adherence to yoga and its resultant effects on blood glucose in Type 2 diabetes: A community-based follow-up study. *International Journal of Yoga*, 10(1), 29. <https://doi.org/10.4103/0973-6131.186159>
- Anjana, R. M., Deepa, M., Pradeepa, R., Mahanta, J., Narain, K., Das, H. K., Adhikari, P., Rao, P. V., Saboo, B., Kumar, A., Bhansali, A., John, M., Luaia, R., Reang, T., Ningombam, S., Jampa, L., Budnah, R. O., Elangovan, N., Subashini, R., ... Yajnik, C. S. (2017). Prevalence of diabetes and prediabetes in 15 states of India: results from the ICMR–INDIAB population-based cross-sectional study. *The Lancet Diabetes and Endocrinology*, 5(8), 585–596. [https://doi.org/10.1016/S2213-8587\(17\)30174-2](https://doi.org/10.1016/S2213-8587(17)30174-2)
- Anjana, R. M., Rani, C. S. S., Deepa, M., Pradeepa, R., Sudha, V., Nair, H. D., LakshmiPriya, N., Subhashini, S., Binu, V. S., Unnikrishnan, R., & Mohan, V. (2015). Incidence of diabetes and prediabetes and predictors of progression among Asian Indians: 10-year follow-up of the Chennai urban rural epidemiology study (CURES). *Diabetes Care*, 38(8), 1441–1448. <https://doi.org/10.2337/dc14-2814>
- Arora, D., & Kumar, M. (2000). Concept of chronopharmacology in ayurveda. *Ancient Science of Life*, 19(3–4), 155–163. <http://www.ncbi.nlm.nih.gov/pubmed/22556938>
- Atkinson, N. L., & Permut-Levine, R. (2009). Benefits, barriers, and cues to action of yoga practice: A focus group approach. *American Journal of Health Behavior*, 33(1), 3–14. <https://doi.org/10.5993/AJHB.33.1.1>

- Balaji, P. A., Varne, S. R., & Ali, S. S. (2012). Physiological effects of yogic practices and transcendental meditation in health and disease. *North American Journal of Medical Sciences*, 4(10), 442–448. <https://doi.org/10.4103/1947-2714.101980>
- BaldwinMC. (1999). *Qigong Institute*. Psychological and Physiological Influences of Hatha Yoga Training on Health, Exercising Adults. Verlag Nicht Ermittlbar; 1999. <https://www.qigonginstitute.org/>
- Barker, D. J. P., Hales, C. N., Fall, C. H. D., Osmond, C., Phipps, K., & Clark, P. M. S. (1993). Type 2 (non-insulin-dependent) diabetes mellitus, hypertension and hyperlipidaemia (syndrome X): relation to reduced fetal growth. *Diabetologia*, 36(1), 62–67. <https://doi.org/10.1007/BF00399095>
- Barnes, P. M., Powell-Griner, E., Mcfann, K., & Nahin, R. L. (2002). Complementary and Alternative Medicine Use Among Adults: United States, 2002. *Number*, 343. <http://www.cdc.gov/nchs/nhis.htm>.
- Bellamy, L., Casas, J. P., Hingorani, A. D., & Williams, D. (2009). Type 2 diabetes mellitus after gestational diabetes: a systematic review and meta-analysis. *The Lancet*, 373(9677), 1773–1779. [https://doi.org/10.1016/S0140-6736\(09\)60731-5](https://doi.org/10.1016/S0140-6736(09)60731-5)
- Bhargava, R., Gogate, M. G., & Mascarenhas, J. F. (1988). *AUTONOMIC RESPONSES TO BREATH HOLDING AND ITS VARIATIONS FOLLOWING PRANAYAMA*.
- Bhattacharya, S., Pandey, U. S., & Verma, N. S. (2002). Improvement in oxidative status with yogic breathing in young healthy males. *Indian Journal of Physiology and Pharmacology*, 46(3), 349–354. <http://www.ncbi.nlm.nih.gov/pubmed/12613400>
- Bierhaus, A., Wolf, J., Andrassy, M., Rohleder, N., Humpert, P. M., Petrov, D., Ferstl, R., Eynatten, M. von, Wendt, T., Rudofsky, G., Joswig, M., Morcos, M., Schwaninger, M., McEwen, B., Kirschbaum, C., & Nawroth, P. P. (2003). A mechanism converting psychosocial stress into mononuclear cell activation. *Proceedings of the National Academy of Sciences*, 100(4), 1920–1925. <https://doi.org/10.1073/PNAS.0438019100>
- Brems, C., Justice, L., Sulenes, K., Girasa, L., Ray, J., Davis, M., Freitas, J., Shean, M., & Colgan, D. (2015). Improving access to yoga: barriers to and motivators for practice among health professions students. *Advances in Mind-Body Medicine*, 29(3), 6–13.
- CDC. (2011). *National Diabetes Fact Sheet, 2011 Data Sources, Methods, and References for Estimates of Diabetes and Prediabetes*. <http://care.diabetesjournals.org/content/34/>
- Chang, A. M., & Halter, J. B. (2003). *invited review Aging and insulin secretion*.

<https://doi.org/10.1152/ajpendo.00366.2002.-Glucose>

- Chaya, M. S., Ramakrishnan, G., Shastry, S., Kishore, R. P., Nagendra, H., Nagarathna, R., Raj, T., Thomas, T., Vaz, M., & Kurpad, A. V. (2008). Insulin sensitivity and cardiac autonomic function in young male practitioners of yoga. *National Medical Journal of India*, 21(5), 217–221. <https://europepmc.org/article/med/19320319>
- Chen, L., Magliano, D. J., & Zimmet, P. Z. (2012). The worldwide epidemiology of type 2 diabetes mellitus - Present and future perspectives. In *Nature Reviews Endocrinology* (Vol. 8, Issue 4, pp. 228–236). <https://doi.org/10.1038/nrendo.2011.183>
- Chin, S. O., Hwang, J. K., Rhee, S. Y., Chon, S., Hwang, Y. C., Oh, S., Ahn, K. J., Chung, H. Y., Woo, J. T., Kim, S. W., Kim, Y. S., Kang, J. H., & Jeong, I. K. (2013). Risk factors for the progression of intima-media thickness of carotid arteries: A 2-year follow-up study in patients with newly diagnosed type 2 diabetes. *Diabetes and Metabolism Journal*, 37(5), 365–374. <https://doi.org/10.4093/DMJ.2013.37.5.365>
- Choudhari Sujit. (2018). *Concise Medical Physiology*. <http://www.vidyasagar.ac.in>
- Clarke, T. C., Black, L. I., Stussman, B. J., & Nahin, R. L. (2002). *Trends in the Use of Complementary Health Approaches Among Adults: United States, 2002-2012*.
- Cohen, S., Kamarck, T., & Mermelstein, R. (1983). A global measure of perceived stress. *Journal of Health and Social Behavior*, 24(4), 385–396. <https://doi.org/10.2307/2136404>
- Colberg, S. R., Sigal, R. J., Fernhall, B., Regensteiner, J. G., Blissmer, B. J., Rubin, R. R., Chasan-Taber, L., Albright, A. L., & Braun, B. (2010). Exercise and type 2 diabetes: The American College of Sports Medicine and the American Diabetes Association: Joint position statement. *Diabetes Care*, 33(12). <https://doi.org/10.2337/DC10-9990>
- Combs, Martha A., & Thorn, B. E. (2014). Barriers and facilitators to yoga use in a population of individuals with self-reported chronic low back pain: A qualitative approach. *Complementary Therapies in Clinical Practice*, 20(4), 268–275. <https://doi.org/10.1016/j.ctcp.2014.07.006>
- Combs, Martha Anne. (2015). *Barriers and facilitators to yoga practice in adults with chronic low back pain*. <http://ir.ua.edu/handle/123456789/2372>
- Cook-Cottone, C., Lemish, E., & Guyker, W. (2017). Interpretive phenomenological analysis of a lawsuit contending that school-based yoga is religion: A study of school personnel. *International Journal of Yoga Therapy*, 27(1), 25–35.

<https://doi.org/10.17761/1531-2054-27.1.25>

- Cramer, H., Ward, L., Steel, A., Lauche, R., Dobos, G., & Zhang, Y. (2016). Prevalence, Patterns, and Predictors of Yoga Use. *American Journal of Preventive Medicine*, *50*(2), 230–235. <https://doi.org/10.1016/j.amepre.2015.07.037>
- CYP. (2021). AYUSH. <https://yoga.ayush.gov.in/>
- Dayananda, Ilavarasu, J. V., Rajesh, S., & Babu, N. (2014). Barriers in the path of yoga practice: An online survey. *International Journal of Yoga*, *7*(1), 66. <https://doi.org/10.4103/0973-6131.123490>
- Deepa, M., Anjana, R. M., Manjula, D., Narayan, K. M. V., & Mohan, V. (2011). Convergence of prevalence rates of diabetes and cardiometabolic risk factors in middle and low income groups in urban India: 10-Year follow-up of the chennai urban population study. *Journal of Diabetes Science and Technology*, *5*(4), 918–927. <https://doi.org/10.1177/193229681100500415>
- Desai, T., Rajesh, K., & Mahendra, B. (2021). EMPOWERMENT OF MENTAL HEALTH THROUGH SATTVAVJAYA CHIKITSA. *International Ayurvedic Medical Journal*, *p5*(5), 3031–3036. <https://doi.org/10.46607/IAMJ12P5052021>
- Dhar, N., Chaturvedi, S. K. S., Nandan, D., Dhar, Chaturvedi, S. K. S., Nandan, D., Dhar, N., Chaturvedi, S. K. S., & Nandan, D. (2011). Spiritual health scale 2011: Defining and measuring 4 th dimension of health. *Indian Journal of Community Medicine*, *36*(4), 275–282. <https://doi.org/10.4103/0970-0218.91329>
- Fan, D. (2017). Holistic integrative medicine: toward a new era of medical advancement. *Frontiers of Medicine*, *11*(1), 152–159. <https://doi.org/10.1007/s11684-017-0499-6>
- Gaede, P., Vedel, P., Larsen, N., Jensen, G. V. H., Parving, H.-H., & Pedersen, O. (2003). Multifactorial intervention and cardiovascular disease in patients with type 2 diabetes. *The New England Journal of Medicine*, *348*(5), 383–393. <https://doi.org/10.1056/NEJMoa021778>
- Gao, J., Skouras, S., Leung, H. K., Wu, B. W. Y., Wu, H., Chang, C., & Sik, H. H. (2020). Repetitive Religious Chanting Invokes Positive Emotional Schema to Counterbalance Fear: A Multi-Modal Functional and Structural MRI Study. *Frontiers in Behavioral Neuroscience*, *14*. <https://doi.org/10.3389/FNBEH.2020.548856>
- Goodyear, L., & Kahn, B. (1998). Exercise, glucose transport, and insulin sensitivity. *Annual Review of Medicine*, *49*, 235–261. <https://doi.org/10.1146/ANNUREV.MED.49.1.235>

- gupta, atridevji. (2000). *charak samhita* (Vol. 2). <https://ia800303.us.archive.org/28/items/CharakaSamhitaHindiVolume2/CharakSamhitaAtridevajiGuptVolume2.pdf>
- Gupta, A., Gupta, R., Sarna, M., Rastogi, S., Gupta, V. P., & Kothari, K. (2003). Prevalence of diabetes, impaired fasting glucose and insulin resistance syndrome in an urban Indian population. *Diabetes Research and Clinical Practice*, *61*(1), 69–76. [https://doi.org/10.1016/S0168-8227\(03\)00085-8](https://doi.org/10.1016/S0168-8227(03)00085-8)
- Hamman, R. F., Wing, R. R., Edelstein, S. L., Lachin, J. M., Bray, G. A., Delahanty, L., Hoskin, M., Kriska, A. M., Mayer-Davis, E. J., Pi-Sunyer, X., Regensteiner, J., Venditti, B., & Wylie-Rosett, J. (2006). Effect of weight loss with lifestyle intervention on risk of diabetes. *Diabetes Care*, *29*(9), 2102–2107. <https://doi.org/10.2337/dc06-0560>
- Harne, B. P., & Hiwale, A. S. (2018). EEG Spectral Analysis on OM Mantra Meditation: A Pilot Study. *Applied Psychophysiology and Biofeedback*, *43*, 123–129. <https://doi.org/10.1007/s10484-018-9391-7>
- Harris, A., Austin, M., Blake, T. M., & Bird, M. L. (2019). Perceived benefits and barriers to yoga participation after stroke: A focus group approach. *Complementary Therapies in Clinical Practice*, *34*, 153–156. <https://doi.org/10.1016/j.ctcp.2018.11.015>
- Hetal D Nayak. (2014). A Study to Identify the Benefits, Barriers, and Cues to Participating in a Yoga Program among Community Dwelling Older Adults. *Journal of Yoga & Physical Therapy*, *05*(01). <https://doi.org/10.4172/2157-7595.1000178>
- Hostalek, U. (2019). Global epidemiology of prediabetes - present and future perspectives. *Clinical Diabetes and Endocrinology*, *5*(1). <https://doi.org/10.1186/s40842-019-0080-0>
- Husein, N., Kulkarni, M., & Sahay, B. K. (2017). Role of Yoga in Diabetes. In *RSSDI Update–2015* (Vol. 55, Issue FEB., pp. 164–164). Jaypee Brothers Medical Publishers (P) Ltd. https://doi.org/10.5005/jp/books/12963_33
- IDF. (2019). *IDF Diabetes Atlas 9th edition 2019*. International Diabetes Federation. <https://www.diabetesatlas.org/en/>
- Innes, K. E., Bourguignon, C., & Taylor, A. G. (2005). Risk Indices Associated with the Insulin Resistance Syndrome, Cardiovascular Disease, and Possible Protection with Yoga: A Systematic Review. *The Journal of the American Board of Family Medicine*,

- 18(6), 491–519. <https://doi.org/10.3122/jabfm.18.6.491>
- Jagannathan, A., Nagarathna, R., Ramakrishna, J., & Villacres, M. D. (2014). Decoding the integrated approach to yoga therapy: Qualitative evidence based conceptual framework. *International Journal of Yoga*, 7(1), 22. <https://doi.org/10.4103/0973-6131.123475>
- Jerath, R., Edry, J. W., Barnes, V. A., & Jerath, V. (2006). Physiology of long pranayamic breathing: Neural respiratory elements may provide a mechanism that explains how slow deep breathing shifts the autonomic nervous system. *Medical Hypotheses*, 67(3), 566–571. <https://doi.org/10.1016/j.mehy.2006.02.042>
- Jyotsna, V., Ambekar, S., Singla, R., Joshi, A., Dhawan, A., Kumar, N., Deepak, K., & Sreenivas, V. (2013). Cardiac autonomic function in patients with diabetes improves with practice of comprehensive yogic breathing program. *Indian Journal of Endocrinology and Metabolism*, 17(3), 480. <https://doi.org/10.4103/2230-8210.111645>
- Kabiri, R., Kamaruzaman, S., Ali, S., & Zulnaidi, H. (2018). Perceived yoga exercise benefits and barriers of university students by gender: Results of a survey research. *J Kin*, 4(2), 39–46. <https://doi.org/10.31459/turkjin.407340>
- Kabiri, R., Kamaruzaman, S., Ali, S., Zulnaidi, H., KABİRİ, R., ALİ, S. K. S., & HUTKEMRİ, Z. (2018). Perceived yoga exercise benefits and barriers of university students by gender: Results of a survey research. *J Kin*, 4(2), 39–46. <https://doi.org/10.31459/turkjin.407340>
- Kahn, R., & Davidson, M. B. (2014). The Reality of Type 2 Diabetes Prevention. *Diabetes Care*, 37(4), 943–949. <https://doi.org/10.2337/dc13-1954>
- Kahn, S. E. (2003). The relative contributions of insulin resistance and beta-cell dysfunction to the pathophysiology of Type 2 diabetes. *Diabetologia*, 46(1), 3–19. <https://doi.org/10.1007/s00125-002-1009-0>
- Kelly, S. J., & Ismail, M. (2015). Stress and Type 2 Diabetes: A Review of How Stress Contributes to the Development of Type 2 Diabetes. <Http://Dx.Doi.Org/10.1146/Annurev-Publhealth-031914-122921>, 36, 441–462. <https://doi.org/10.1146/ANNUREV-PUBLHEALTH-031914-122921>
- Khalsa, S. B. S., & Butzer, B. (2016). Yoga in school settings: a research review. *Annals of the New York Academy of Sciences*, 1373(1), 45–55. <https://doi.org/10.1111/NYAS.13025>
- Khalsa, S. B. S., Hickey-Schultz, L., Cohen, D., Steiner, N., & Cope, S. (2012). Evaluation

- of the mental health benefits of yoga in a secondary school: A preliminary randomized controlled trial. *Journal of Behavioral Health Services and Research*, 39(1), 80–90. <https://doi.org/10.1007/s11414-011-9249-8>
- Kiecolt-Glaser, J. K., Christian, L., Preston, H., Houts, C. R., Malarkey, W. B., Emery, C. F., & Glaser, R. (2010). Stress, Inflammation, and Yoga Practice. *Psychosomatic Medicine*, 72(2), 113–121. <https://doi.org/10.1097/PSY.0b013e3181cb9377>
- Kiecolt-Glaser, J. K., McGuire, L., Robles, T. F., & Glaser, R. (2002). Emotions, morbidity, and mortality: New perspectives from psychoneuroimmunology. *Annual Review of Psychology*, 53, 83–107. <https://doi.org/10.1146/ANNUREV.PSYCH.53.100901.135217>
- Klonoff, D. C., Buse, J. B., Nielsen, L. L., Guan, X., Bowlus, C. L., Holcombe, J. H., Wintle, M. E., & Maggs, D. G. (2008). Exenatide effects on diabetes, obesity, cardiovascular risk factors and hepatic biomarkers in patients with type 2 diabetes treated for at least 3 years. *Current Medical Research and Opinion*, 24(1), 275–286. <https://doi.org/10.1185/030079908x253870>
- Knutson, K. L., & Van Cauter, E. (2008). Associations between sleep loss and increased risk of obesity and diabetes. *Annals of the New York Academy of Sciences*, 1129, 287–304. <https://doi.org/10.1196/annals.1417.033>
- Kong FH. (2013). (PDF) *Knowledge, Attitude and Practice of Complementary and Alternative Medicine (CAM) among Medical Practitioners*. IJRRMS. https://www.researchgate.net/publication/315685883_Knowledge_Attitude_and_Practice_of_Complementary_and_Alternative_Medicine_CAM_among_Medical_Practitioners
- Kroenke, K., Spitzer, R. L., & Williams, J. B. W. (2001). The PHQ-9: Validity of a Brief Depression Severity Measure. *Journal of General Internal Medicine*, 16(9), 606. <https://doi.org/10.1046/J.1525-1497.2001.016009606.X>
- Kumar, V., Jagannathan, A., Philip, M., Thulasi, A., Angadi, P., & Raghuram, N. (2016). Role of yoga for patients with type II diabetes mellitus: A systematic review and meta-analysis. In *Complementary Therapies in Medicine* (Vol. 25, pp. 104–112). Churchill Livingstone. <https://doi.org/10.1016/j.ctim.2016.02.001>
- Kurose, T., Hyo, T., Seino, Y., & Yabe, D. (2014). The role of chronobiology and circadian rhythms in type 2 diabetes mellitus: implications for management of diabetes.

- ChronoPhysiology and Therapy*, 4, 41. <https://doi.org/10.2147/cpt.s44804>
- Lancet, T. (2018). *Type 2 diabetes: the urgent need to protect young people*. <https://doi.org/10.1016/S2213>
- Lesage, F.-X., Berjot, S., & Deschamps, F. (2012). Clinical stress assessment using a visual analogue scale. *Occupational Medicine*, 62(8), 600–605. <https://doi.org/10.1093/OCCMED/KQS140>
- Liezmann, C., Stock, D., & Peters, E. M. J. (2012). Stress induced neuroendocrine-immune plasticity. *Dermato-Endocrinology*, 4(3), 271–279. <https://doi.org/10.4161/derm.22023>
- Lindström, J., Louheranta, A., Mannelin, M., Rastas, M., Salminen, V., Eriksson, J., Uusitupa, M., & Tuomilehto, J. (2003). The Finnish Diabetes Prevention Study (DPS): Lifestyle intervention and 3-year results on diet and physical activity. *Diabetes Care*, 26(12), 3230–3236. <https://doi.org/10.2337/diacare.26.12.3230>
- Lloyd, C., Smith, J., & Weinger, K. (2005). Stress and Diabetes: A Review of the Links. *Diabetes Spectrum*, 18(2), 121–127. <https://doi.org/10.2337/DIASPECT.18.2.121>
- Lundervik, M., Fromm, A., Haaland, Ø. A., Waje-Andreassen, U., Svendsen, F., Thomassen, L., & Helland, C. A. (2014). Carotid intima-media thickness – a potential predictor for rupture risk of intracranial aneurysms. *International Journal of Stroke*, 9(7), 866–872. <https://doi.org/10.1111/IJS.12159>
- Ma, Y. C., Lin, C. C., Yang, S. Y., Chen, H. J., Li, T. C., & Lin, J. G. (2015). Time trend analysis of the prevalence and incidence of diagnosed asthma and traditional Chinese medicine use among adults in Taiwan from 2000 to 2011: A population-based study. *PLoS ONE*, 10(10). <https://doi.org/10.1371/JOURNAL.PONE.0140318>
- Manjunatha, S., Vempati, R. P., Ghosh, D., & Bijlani, R. L. (2005). An investigation into the acute and long-term effects of selected yogic postures on fasting and postprandial glycemia and insulinemia in healthy young subjects. *Indian Journal of Physiology and Pharmacology*, 49(3), 319–324. <http://www.ncbi.nlm.nih.gov/pubmed/16440850>
- McGraw. (2020). *Current Medical Diagnosis and Treatment 2020 | AccessMedicine | McGraw-Hill Medical*. <https://accessmedicine.mhmedical.com/book.aspx?bookid=2683>
- Mohan, V., Deepa, R., Deepa, M., Somannavar, S., & Datta, M. (2005). A simplified Indian Diabetes Risk Score for screening for undiagnosed diabetic subjects. *The Journal of the*

- Association of Physicians of India*, 53, 759–763.
<http://www.ncbi.nlm.nih.gov/pubmed/16334618>
- Mukhtibodhananda. (1993). *Hatha Yoga Pradipika*. 573.
<http://books.google.com/books?id=Cy4DAAAACAAJ&pgis=1>
- Murea, M., Ma, L., & Freedman, B. I. (2012). Genetic and environmental factors associated with type 2 diabetes and diabetic vascular complications. *The Review of Diabetic Studies*, 9(1), 6–22. <https://doi.org/10.1900/RDS.2012.9.6>
- Nagarathna, R., & Nagendra, H. (2008). *Integrated approach for Yoga therapy for positive health*. 1–178.
- Nagarathna, R., Rajesh, S., Amit, S., Patil, S., Anand, A., & Nagendra, H. (2019). Methodology of Niyantrita Madhumeha Bharata Abhiyaan- 2017, a nationwide multicentric trial on the effect of a validated culturally acceptable lifestyle intervention for primary prevention of diabetes: Part 2. *International Journal of Yoga*, 12(3), 193. https://doi.org/10.4103/ijoy.ijoy_38_19
- Nagarathna, R., Usharani, M. R., Rao, A. R., Chaku, R., Kulkarni, R., & Nagendra, H. R. (2012). Efficacy of yoga based life style modification program on Medication score and lipid profile in type 2 diabetes-a randomized control study. *International Journal of Diabetes in Developing Countries*, 32(3), 122–130. <https://doi.org/10.1007/s13410-012-0078-y>
- Nagarathna, R., & Nagendra, H. (2002). *Integrated Approach Of Yoga Therapy: Dr. R. Nagarathna and Dr. H.R. Nagendra: Free Download, Borrow, and Streaming: Internet Archive*.
<https://archive.org/details/integratedapproachofyogatherapy/page/n7/mode/2up>
- Nagendra, H. R., Nagarathna, R., Rajesh, S. K., Amit, S., Telles, S., & Hankey, A. (2019). Niyantrita Madhumeha Bharata 2017, Methodology for a Nationwide Diabetes Prevalence Estimate: Part 1. *International Journal of Yoga*, 12(3), 179–192. https://doi.org/10.4103/ijoy.IJOY_40_18
- Nanditha, A., Snehalatha, C., Ram, J., Selvam, S., Vijaya, L., Shetty, S. A., Arun, R., & Ramachandran, A. (2016). Impact of lifestyle intervention in primary prevention of Type 2 diabetes did not differ by baseline age and BMI among Asian-Indian people with impaired glucose tolerance. *Diabetic Medicine*, 33(12), 1700–1704. <https://doi.org/10.1111/dme.13071>

- NCD Risk Factor Collaboration (NCD-RisC). (2016). Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants. *Lancet (London, England)*, *387*(10027), 1513–1530. [https://doi.org/10.1016/S0140-6736\(16\)00618-8](https://doi.org/10.1016/S0140-6736(16)00618-8)
- Ogurtsova, K., Da, J. D., Fernandes, R., Huang, Y., Linnenkamp, U., Guariguata, L., Cho, N. H., Cavan, D., Shaw, J. E., & Makaroff, L. E. (2017). IDF Diabetes Atlas: Global estimates for the prevalence of diabetes for 2015 and 2040. *Diabetes Research and Clinical Practice*, *128*, 40–50. <https://doi.org/10.1016/j.diabres.2017.03.024>
- Pascoe, M. C., Thompson, D. R., & Ski, C. F. (2017). Yoga, mindfulness-based stress reduction and stress-related physiological measures: A meta-analysis. *Psychoneuroendocrinology*, *86*, 152–168. <https://doi.org/10.1016/j.psyneuen.2017.08.008>
- Pavlov, V. A., & Tracey, K. J. (2012). The vagus nerve and the inflammatory reflex—linking immunity and metabolism. *Nature Reviews Endocrinology*, *8*(12), 743–754. <https://doi.org/10.1038/nrendo.2012.189>
- Petryna, A., & Klienman, A. (2006). The Pharmaceutical Nexus. In *Global Pharmaceuticals* (pp. 1–32). Duke University Press. <https://doi.org/10.1215/9780822387916-001>
- Plantinga, L. C., Crews, D. C., Coresh, J., Miller, E. R., Saran, R., Yee, J., Hedgeman, E., Pavkov, M., Eberhardt, M. S., Williams, D. E., & Powe, N. R. (2010). Prevalence of Chronic Kidney Disease in US Adults with Undiagnosed Diabetes or Prediabetes. *Clin J Am Soc Nephrol*, *5*, 673–682. <https://doi.org/10.2215/CJN.07891109>
- Raghuraj, P., & Telles, S. (2008). Immediate Effect of Specific Nostril Manipulating Yoga Breathing Practices on Autonomic and Respiratory Variables. *Applied Psychophysiology and Biofeedback*, *33*(2), 65–75. <https://doi.org/10.1007/s10484-008-9055-0>
- Ramachandran, A. C., Snehalatha, S., Mary, B., Mukesh, A. D., & Bhaskar, V. V. (2006). The Indian Diabetes Prevention Programme shows that lifestyle modification and metformin prevent type 2 diabetes in Asian Indian subjects with impaired glucose tolerance (IDPP-1). *Diabetologia*, *49*, 289–297. <https://doi.org/10.1007/s00125-005-0097-z>
- Rhee, T. G., Marottoli, R. A., Van Ness, P. H., & Tinetti, M. E. (2018). Patterns and Perceived Benefits of Utilizing Seven Major Complementary Health Approaches in

- U.S. Older Adults. *The Journals of Gerontology: Series A*, 73(8), 1119–1124.
<https://doi.org/10.1093/gerona/gly099>
- Rinaldi, B., Corbi, G., Boccuti, S., Filippelli, W., Rengo, G., Leosco, D., Rossi, F., Filippelli, A., & Ferrara, N. (2006). Exercise training affects age-induced changes in SOD and heat shock protein expression in rat heart. *Experimental Gerontology*, 41(8), 764–770.
<https://doi.org/10.1016/j.exger.2006.05.008>
- Robinson Monroe. (1992). *Yoga Therapy for NIDDM*. 1992.
https://www.healthandyoga.com/html/research_papers/ytn/om.asp
- Röder, P. V., Wu, B., Liu, Y., & Han, W. (2016). Pancreatic regulation of glucose homeostasis. *Experimental & Molecular Medicine*, 48(3), e219.
<https://doi.org/10.1038/EMM.2016.6>
- Sadikot, S. M., Nigam, A., Das, S., Bajaj, S., Zargar, A. H., Prasannakumar, K. M., Sosale, A., Munichoodappa, C., Seshiah, V., Singh, S. K., Jamal, A., Sai, K., Sadasivrao, Y., Murthy, S. S., Hazra, D. K., Jain, S., Mukherjee, S., Bandyopadhyay, S., Sinha, N. K., ... Goenka. (2004). The burden of diabetes and impaired glucose tolerance in India using the WHO 1999 criteria: Prevalence of diabetes in India study (PODIS). *Diabetes Research and Clinical Practice*, 66(3), 301–307.
<https://doi.org/10.1016/j.diabres.2004.04.008>
- Scheen, A. J. (2003). PATHOPHYSIOLOGY OF TYPE 2 DIABETES. *Acta Clinica Belgica*, 58(6), 335–341. <https://doi.org/10.1179/acb.2003.58.6.001>
- Schmid, A. A., Van Puymbroeck, M., Fruhauf, C. A., Bair, M. J., & Portz, J. D. (2019). Yoga improves occupational performance, depression, and daily activities for people with chronic pain. *Work (Reading, Mass.)*, 63(2), 181–189.
<https://doi.org/10.3233/WOR-192919>
- Sendhilkumar, M., Tripathy, J., Harries, A., Dongre, A., Deepa, M., Vidyulatha, A., Poongothai, S., Venkatesan, U., Anjana, R., & Mohan, V. (2017). Factors associated with high stress levels in adults with diabetes mellitus attending a tertiary diabetes care center, Chennai, Tamil Nadu, India. *Indian Journal of Endocrinology and Metabolism*, 21(1), 56. <https://doi.org/10.4103/2230-8210.196006>
- Shapiro, D., Cook, I. A., Davydov, D. M., Ottaviani, C., Leuchter, A. F., & Abrams, M. (2007). Yoga as a Complementary Treatment of Depression: Effects of Traits and Moods on Treatment Outcome. *Evidence-Based Complementary and Alternative*

- Medicine*, 4(4), 493–502. <https://doi.org/10.1093/ecam/nel114>
- Sharma, R., & Saini, N. (2014). A critical appraisal of kuppuswamy's socioeconomic status scale in the present scenario. *Journal of Family Medicine and Primary Care*, 3(1), 3. <https://doi.org/10.4103/2249-4863.130248>
- Singh, A. K., Kaur, N., Kaushal, S., Tyagi, R., Mathur, D., Sivapuram, M. S., Metri, K., Bammidi, S., Podder, V., Modgil, S., Khosla, R., Sharma, K., Anand, A. A., Malik, N., Boroiah, V. S., Nagarathna, R., Nagendra, H. R., & Anand, A. A. (2019). Partitioning of radiological, stress and biochemical changes in pre-diabetic women subjected to Diabetic Yoga Protocol. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, 13(4), 2705–2713. <https://doi.org/10.1016/j.dsx.2019.07.007>
- sivananda. (2020). *Essence of The Taittiriya Upanishad*. The Divine Life Society. https://www.sivanandaonline.org/?cmd=displaysection§ion_id=586
- Sulenes, K., Freitas, J., Justice, L., Colgan, D. D., Shean, M., & Brems, C. (2015). Underuse of Yoga as a Referral Resource by Health Professions Students. *The Journal of Alternative and Complementary Medicine*, 21(1), 53–59. <https://doi.org/10.1089/acm.2014.0217>
- Sullivan, M. B., Erb, M., Schmalzl, L., Moonaz, S., Noggle Taylor, J., & Porges, S. W. (2018). Yoga Therapy and Polyvagal Theory: The Convergence of Traditional Wisdom and Contemporary Neuroscience for Self-Regulation and Resilience. *Frontiers in Human Neuroscience*, 12, 27. <https://doi.org/10.3389/fnhum.2018.00067>
- Tabák, A. G., Herder, C., Rathmann, W., Brunner, E. J., & Kivimäki, M. (2012). Prediabetes: A high-risk state for diabetes development. *The Lancet*, 379(9833), 2279–2290. [https://doi.org/10.1016/S0140-6736\(12\)60283-9](https://doi.org/10.1016/S0140-6736(12)60283-9)
- Tabák, A. G., Jokela, M., Akbaraly, T. N., Brunner, E. J., Kivimäki, M., & Witte, D. R. (2009). Trajectories of glycaemia, insulin sensitivity, and insulin secretion before diagnosis of type 2 diabetes: an analysis from the Whitehall II study. *The Lancet*, 373(9682), 2215–2221. [https://doi.org/10.1016/S0140-6736\(09\)60619-X](https://doi.org/10.1016/S0140-6736(09)60619-X)
- Taimni, I. K. (1999). *THE SCIENCE OF YOGA THE YOGA-SUTRAS OF PATANJALI IN SANSKRIT WITH TRANSLITERATION IN ROMAN, TRANSLATION AND COMMENTARY IN ENGLISH*.
- Tandon, N., Anjana, R. M., Mohan, V., Kaur, T., Afshin, A., Ong, K., Mukhopadhyay, S., Thomas, N., Bhatia, E., Krishnan, A., Mathur, P., Dhaliwal, R. S., Shukla, D. K.,

- Bhansali, A., Prabhakaran, D., Rao, P. V., Yajnik, C. S., Kumar, G. A., Varghese, C. M., ... Dandona, L. (2018). The increasing burden of diabetes and variations among the states of India: the Global Burden of Disease Study 1990–2016. *The Lancet Global Health*, 6(12), e1352–e1362. [https://doi.org/10.1016/S2214-109X\(18\)30387-5](https://doi.org/10.1016/S2214-109X(18)30387-5)
- Tekur, P., Singphow, C., Nagendra, H. R., & Raghuram, N. (2008). Effect of Short-Term Intensive Yoga Program on Pain, Functional Disability and Spinal Flexibility in Chronic Low Back Pain: A Randomized Control Study. *The Journal of Alternative and Complementary Medicine*, 14(6), 637–644. <https://doi.org/10.1089/acm.2007.0815>
- Telles, S., Nagarathna, R., & Nagendra, H. R. (1996). Physiological Measures of Right Nostril Breathing. *The Journal of Alternative and Complementary Medicine*, 2(4), 479–484. <https://doi.org/10.1089/acm.1996.2.479>
- Telles, S., Sharma, S. K., Singh, N., & Balkrishna, A. (2017). Characteristics of Yoga Practitioners, Motivators, and Yoga Techniques of Choice: A Cross-sectional Study. *Frontiers in Public Health*, 5(JUL). <https://doi.org/10.3389/fpubh.2017.00184>
- Telles, S., Singh, N., & Puthige, R. (2013). Changes in P300 following alternate nostril yoga breathing and breath awareness. *BioPsychoSocial Medicine*, 7(1). <https://doi.org/10.1186/1751-0759-7-11>
- Thiebaud, D., Jacot, E., Defronzo, R. A., Maeder, E., Jequier, E., & Felber, J.-P. (1982). The Effect of Graded Doses of Insulin on Total Glucose Uptake, Glucose Oxidation, and Glucose Storage in Man. *Diabetes*, 31(11), 957–963. <https://doi.org/10.2337/DIACARE.31.11.957>
- Unger, R. H. (1995). Lipotoxicity in the Pathogenesis of Obesity-Dependent NIDDM: Genetic and Clinical Implications. *Diabetes*, 44(8), 863–870. <https://doi.org/10.2337/DIAB.44.8.863>
- Unwin, N., Shaw, J., Zimmet, P., & Alberti, K. G. M. M. (2002). Impaired glucose tolerance and impaired fasting glycaemia: The current status on definition and intervention. *Diabetic Medicine*, 19(9), 708–723. <https://doi.org/10.1046/j.1464-5491.2002.00835.x>
- Valmiki, S. (1914). *Yoga-Vasishtha - Arsa Ramayana PDF ebook*. Nirnayasagar Press. <https://holybooks.com/yoga-vasishtha/>
- Vauhkonen, I., Niskanen, L., Vanninen, E., Kainulainen, S., Uusitupa, M., & Laakso, M. (1998). Defects in insulin secretion and insulin action in non-insulin-dependent diabetes mellitus are inherited. Metabolic studies on offspring of diabetic probands. *Journal of*

- Clinical Investigation*, 101(1), 86. <https://doi.org/10.1172/JCI716>
- Vergeer, I., Bennie, J. A., Charity, M. J., Harvey, J. T., van Uffelen, J. G. Z., Biddle, S. J. H., & Eime, R. M. (2017). Participation trends in holistic movement practices: a 10-year comparison of yoga/Pilates and t'ai chi/qigong use among a national sample of 195,926 Australians. *BMC Complementary and Alternative Medicine*, 17(1), 296. <https://doi.org/10.1186/s12906-017-1800-6>
- Wai, W. T., Lan, W. S., & Donnan, S. P. B. (2016). Prevalence and Determinants of the Use of Traditional Chinese Medicine in Hong Kong: *Http://Dx.Doi.Org/10.1177/101053959500800304*, 8(3), 167–170. <https://doi.org/10.1177/101053959500800304>
- Weber, M. B., Ranjani, H., Staimez, L. R., Anjana, R. M., Ali, M. K., Narayan, K. M. V., & Mohan, V. (2016a). Clinical trial reg. no. NCT01283308, clinicaltrials.gov. This article contains Supplementary Data online at Diabetes Care. *Diabetes Care*, 39, 1760–1767. <https://doi.org/10.2337/dc16-1241>
- Weber, M. B., Ranjani, H., Staimez, L. R., Anjana, R. M., Ali, M. K., Narayan, K. M. V., & Mohan, V. (2016b). The stepwise approach to diabetes prevention: Results from the D-CLIP randomized controlled trial. *Diabetes Care*, 39(10), 1760–1767. <https://doi.org/10.2337/dc16-1241>
- Wellen, K. E., & Hotamisligil, G. S. (2005). Inflammation, stress, and diabetes. *The Journal of Clinical Investigation*, 115(5), 1111–1119. <https://doi.org/10.1172/JCI25102>
- WHO. (2018). Global Action Plan on Physical Activity 2018-2030. In *Journal of Policy Modeling* (Vol. 28, Issue 6).
- WHO. (2020a). *The Regional Strategy for Traditional Medicine in the western Pacific*. https://iris.wpro.who.int/bitstream/handle/10665.1/5538/9789290615590_eng.pdf
- WHO. (2020b). WHO Guidelines on Physical Activity and Sedentary Behaviour. *World Health Organization*, 104.
- Wilson, S. J., Woody, A., & Kiecolt-Glaser, J. K. (2018). Inflammation As a Biomarker Method in Lifespan Developmental Methodology. *Oxford Research Encyclopedia of Psychology*. <https://doi.org/10.1093/ACREFORE/9780190236557.013.355>
- Yesudian, C. A. K., Grepstad, M., Visintin, E., & Ferrario, A. (2014). The economic burden of diabetes in India: A review of the literature. *Globalization and Health*, 10(1). <https://doi.org/10.1186/s12992-014-0080-x>

Zhang, P., Zhang, X., Brown, J., Vistisen, D., Sicree, R., Shaw, J., & Nichols, G. (2010). Global healthcare expenditure on diabetes for 2010 and 2030. In *Diabetes Research and Clinical Practice* (Vol. 87, Issue 3, pp. 293–301). Elsevier. <https://doi.org/10.1016/j.diabres.2010.01.026>