

Chapter – 9
REFERENCES



9 REFERENCES

- Alexander, G., Innes, K. E., Bourguignon, C., Bovbjerg, V. E., Kulbok, P., & Taylor, A. G. (2012). Patterns of yoga practice and physical activity following a yoga intervention for adults with or at risk for type 2 diabetes. *Journal of Physical Activity & Health, 9*(1), 53–61. <http://www.ncbi.nlm.nih.gov/pubmed/22232506>
<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=PMC3270075>
- Alexander, G. K. (2010). Maintaining yoga practice for diabetes control and prevention. In *Dissertation Abstracts International: Section B: The Sciences and Engineering* (Vol. 71, Issues 3-B). http://gateway.proquest.com/openurl?url_ver=Z39.88-2004&rft_val_fmt=info:ofi/fmt:kev:mtx:dissertation&res_dat=xri:pqdiss&rft_dat=xri:pqdiss:3400905
<http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=reference&D=psyc6&NEWS=N&AN=2010-99180-428>
- Alexandrova, R., Fedoseev, G., Korotkov, K., Philippova, N., Zayzev, S., Magidov, M., & Petrovsky, I. (2002). Analysis of the Bioelectrograms of Bronchial Asthma Patients. In *Human Energy Field: Study with GDV Bioelectrography* (pp. 92–102). Backbone Publishing Co.
- Amanat, S., Ghahri, S., Dianatinasab, A., Fararouei, M., & Dianatinasab, M. (2020). Exercise and Type 2 Diabetes. In *Advances in Experimental Medicine and Biology* (Vol. 1228, pp. 91–105). Springer. https://doi.org/10.1007/978-981-15-1792-1_6
- Ambade, V. N., Sharma, Y., & Somani, B. (1998). Methods for estimation of blood glucose: A comparative evaluation. *Medical Journal Armed Forces India, 54*(2), 131–133. [https://doi.org/10.1016/s0377-1237\(17\)30502-6](https://doi.org/10.1016/s0377-1237(17)30502-6)
- American Diabetes Association. (2013). Standards of Medical Care in Diabetes. *Diabetes Care, 36*(1), 11–66. <https://doi.org/10.2337/dc13-S011>

- Amita, S., Prabhakar, S., Manoj, I., Harminder, S., & Pavan, T. (2009). Effect of Yoga-Nidra on blood glucose level in diabetic patients. *Indian Journal of Physiology and Pharmacology*, 53(1), 97–101.
- Armstrong, D., Lavery, L., ... P. L.-P., & 1997, undefined. (n.d.). Infrared dermal thermometry for the high-risk diabetic foot. *Academic.Oup.Com*.
- Bagavathiappan, S., Saravanan, T., Philip, J., Jayakumar, T., Raj, B., Karunanithi, R., Panicker, T. M. R., Korath, M., & Jagadeesan, K. (2009). Infrared thermal imaging for detection of peripheral vascular disorders. *Journal of Medical Physics*, 34(1), 43–47. <https://doi.org/10.4103/0971-6203.48720>
- Balasubramaniam, M., Telles, S., & Doraiswamy, P. M. (2013). Yoga on our minds: A systematic review of yoga for neuropsychiatric disorders. *Frontiers in Psychiatry*, 3(JAN). <https://doi.org/10.3389/fpsyt.2012.00117>
- Beena, R. K., & Sreekumaran, E. (2013). Yogic practice and diabetes mellitus in geriatric patients. *International Journal of Yoga*, 6(1), 47–54. <https://doi.org/10.4103/0973-6131.105946>
- Bharara, M., Cobb, J. E., & Claremont, D. J. (2006). Thermography and Thermometry in the Assessment of Diabetic Neuropathic Foot: A Case for Furthering the Role of Thermal Techniques. *The International Journal of Lower Extremity Wounds*, 5(4), 250–260. <https://doi.org/10.1177/1534734606293481>
- Bhat, R. K., Deo, G., Mavathur, R., & Srinivasan, T. (2016). Correlation of Electrophotonic Imaging Parameters With Fasting Blood Sugar in Normal, Prediabetic, and Diabetic Study Participants. *Journal of Evidence-Based Complementary and Alternative Medicine*, 22(3), 441–448. <https://doi.org/10.1177/2156587216674314>

- Bhat, R. K., Mavathur, R., & Srinivasan, T. (2017). Diabetes mellitus type 2 and yoga: Electro photonic imaging perspective. *International Journal of Yoga, 10*(3), 152–159. <https://doi.org/10.4103/0973-6131.213469>
- Bhobe, S. (2000). Integrated approach to yoga. *The Nursing Journal of India, 91*(2), 33–42.
- Boulant, J A. (1981). Hypothalamic mechanisms in thermoregulation. *Federation Proceedings, 40*(14), 2843–2850.
- Boulant, Jack A. (2000). Role of the Preoptic-Anterior Hypothalamus in Thermoregulation and Fever. *Clinical Infectious Diseases, 31*(Supplement_5), S157–S161. <https://doi.org/10.1086/317521>
- Brånemark, P. I., Fagerberg, S.-E., Langer, L., & Säve-Söderbergh, J. (1967). Infrared thermography in diabetes mellitus a preliminary study. *Diabetologia, 3*(6), 529–532. <https://doi.org/10.1007/BF01213572>
- Brown, R. P., & Gerbarg, P. L. (2009). Yoga breathing, meditation, and longevity. *Annals of the New York Academy of Sciences, 1172*, 54–62. <https://doi.org/10.1111/j.1749-6632.2009.04394.x>
- Brown, T. A., Chorpita, B. F., Korotitsch, W., & Barlow, D. H. (1997). Psychometric properties of the Depression Anxiety Stress Scales (DASS) in clinical samples. *Behaviour Research and Therapy, 35*(1), 79–89. [https://doi.org/10.1016/S0005-7967\(96\)00068-X](https://doi.org/10.1016/S0005-7967(96)00068-X)
- Chakraborty, H., & Gu, H. (2019). A Mixed Model Approach for Intent-to-Treat Analysis in Longitudinal Clinical Trials with Missing Values. In *RTI Press Publication No. MR-0009-0903*. <http://europepmc.org/books/NBK538904>
- Chatterjee, S., Khunti, K., & Davies, M. J. (2017). Type 2 diabetes. *The Lancet, 389*(10085),

2239–2251. [https://doi.org/10.1016/S0140-6736\(17\)30058-2](https://doi.org/10.1016/S0140-6736(17)30058-2)

Chimkode, S M, Kumaran, S. D., Kanhere, V. V, & Shivanna, R. (2015). Effect of yoga on blood glucose levels in patients with type 2 diabetes mellitus. *J Clin Diagn Res*, 9(4), Cc01-3. <https://doi.org/10.7860/jcdr/2015/12666.5744>

Chimkode, Subhash Manikappa, Kumaran, S. D., Kanhere, V. V, & Shivanna, R. (2015). Effect of yoga on blood glucose levels in patients with type 2 diabetes mellitus. *Journal of Clinical and Diagnostic Research : JCDR*, 9(4), CC01-3. <https://doi.org/10.7860/JCDR/2015/12666.5744>

Ciesielska, I. L. (2009). Images of corona discharges as a source of information about the influence of textiles on humans. *Autex Research Journal*, 9 (March).

Cioca, G., Giacomoni, P., & Rein, G. (2004). A Correlation Between Gdv and Heart Rate Variability Measures: A New Measure of Well Being. In *Measuring Energy Fields: Current Research* (pp. 59–64). Backbone Publishing Co.

DeFronzo, R. A., Ferrannini, E., Groop, L., Henry, R. R., Herman, W. H., Holst, J. J., Hu, F. B., Kahn, C. R., Raz, I., Shulman, G. I., Simonson, D. C., Testa, M. A., & Weiss, R. (2015). Type 2 diabetes mellitus. *Nature Reviews Disease Primers*, 1(1), 1–22. <https://doi.org/10.1038/nrdp.2015.19>

Deo, G., Itagi, R. K., Srinivasan, T. M., & Kuldeep, K. (2015). Effect of anapanasati meditation technique through electrophotonic imaging parameters: A pilot study. *International Journal of Yoga*, 8(2), 117–121. <https://doi.org/10.4103/0973-6131.158474>

Deo, G., Kumar, I. R., Srinivasan, T. M., & Kushwah, K. K. (2015). Changes in electrophotonic imaging parameters associated with long term meditators and naive

- meditators in older adults practicing meditation. *European Journal of Integrative Medicine*, 7(6), 663–668. <https://doi.org/10.1016/j.eujim.2015.08.004>
- Deo, G., Kumar, I. R., Srinivasan, T. M., & Kushwah, K. K. (2016). Cumulative effect of short-term and long-term meditation practice in men and women on psychophysiological parameters of electrophotonic imaging: A cross-sectional study. *Journal of Complementary and Integrative Medicine*, 13(1), 73–82. <https://doi.org/10.1515/jcim-2015-0050>
- Desai, R., Tailor, A., & Bhatt, T. (2015). Effects of yoga on brain waves and structural activation: A review. In *Complementary Therapies in Clinical Practice* (Vol. 21, Issue 2, pp. 112–118). Churchill Livingstone. <https://doi.org/10.1016/j.ctcp.2015.02.002>
- Draznin, M. B. (2008). Type 2 diabetes. *Adolescent Medicine: State of the Art Reviews*, 19(3), 498–506. <https://doi.org/10.7748/ns2011.06.25.41.59.c8574>
- Egede, L. E., & Ellis, C. (2010). Diabetes and depression: Global perspectives. *Diabetes Research and Clinical Practice*, 83(3), 302–312. <https://doi.org/10.1016/j.diabres.2010.01.024>
- Gayathri, V., TI, A., & Shivakumar, K. (2018). Effect of Yoga on Endocrine and Nervous System in Adolescent children : Assessment Using EPI parameters. *Journal of Ayurvedic and Herbal Medicine*, 4(1), 18–21.
- Gordon, L. A., Morrison, E. Y., McGrowder, D. A., Young, R., Fraser, Y. T. P., Zamora, E., Alexander-Lindo, R. L., & Irving, R. R. (2008a). Effect of exercise therapy on lipid profile and oxidative stress indicators in patients with type 2 diabetes. *BMC Complementary and Alternative Medicine*, 8(1), 1–10. <https://doi.org/10.1186/1472-6882-8-21>

Gordon, L. A., Morrison, E. Y., McGrowder, D. A., Young, R., Fraser, Y. T. P., Zamora, E., Alexander-Lindo, R. L., & Irving, R. R. (2008b). Effect of exercise therapy on lipid profile and oxidative stress indicators in patients with type 2 diabetes. *BMC Complementary and Alternative Medicine*, 8(1), 21. <https://doi.org/10.1186/1472-6882-8-21>

Gordon Lorenzo, Morrison Errol Y, McGrowder Donovan, Young Ronald, Garwood David, Zamora Esleen, Alexander-Lindo Ruby L, I. R. P. S. E. C. (2008). Clinical research Changes in clinical and metabolic parameters after exercise therapy in patients with type 2 diabetes. *Archives of Medical Science*, 4(4), 427–437.

Govindaraj, R., Karmani, S., Varambally, S., & Gangadhar, B. N. (2016). Yoga and physical exercise – a review and comparison. *International Review of Psychiatry*, 28(3), 242–253. <https://doi.org/10.3109/09540261.2016.1160878>

Hacker, G. W., Pawlak, E., Pauser, G., Tichy, G., Jell, H., Posch, G., Kraibacher, G., Aigner, A., & Hutter, J. (2005). Biomedical evidence of influence of geopathic zones on the human body: Scientifically traceable effects and ways of harmonization. *Forschende Komplementarmedizin Und Klassische Naturheilkunde*, 12(6), 315–327. <https://doi.org/10.1159/000088624>

Hansen, T. (2002). Genetics of type 2 diabetes. *Current Science*, 83(12), 1477–1482. https://doi.org/10.5005/jp/books/12626_22

Hariprasad, V. R., Varambally, S., Varambally, P. T., Thirthalli, J., Basavaraddi, I. V., & Gangadhar, B. N. (2013). Designing, validation and feasibility of a yoga-based intervention for elderly. *Indian Journal of Psychiatry*, 55(3), 344–349. <https://doi.org/10.4103/0019-5545.116302>

Hegde, S. V., Adhikari, P., Kotian, S., Pinto, V. J., D'Souza, S., & D'Souza, V. (2011a).

Effect of 3-month yoga on oxidative stress in type 2 diabetes with or without complications: A controlled clinical trial. *Diabetes Care*, 34(10), 2208–2210.
<https://doi.org/10.2337/dc10-2430>

Hegde, S. V., Adhikari, P., Kotian, S., Pinto, V. J., D'Souza, S., & D'Souza, V. (2011b). Effect of 3-month yoga on oxidative stress in type 2 diabetes with or without complications: A controlled clinical trial. *Diabetes Care*. <https://doi.org/10.2337/dc10-2430>

Hegde, S. V., Adhikari, P., Subbalakshmi, N. K., Nandini, M., Rao, G. M., & D'Souza, V. (2012). Diaphragmatic breathing exercise as a therapeutic intervention for control of oxidative stress in type 2 diabetes mellitus. *Complementary Therapies in Clinical Practice*, 18(3), 151–153. <https://doi.org/10.1016/j.ctcp.2012.04.002>

Hu, F. B., Manson, J. E., Stampfer, M. J., Colditz, G., Liu, S., Solomon, C. G., & Willett, W. C. (2001). Diet, lifestyle, and the risk of type 2 diabetes mellitus in women. *New England Journal of Medicine*, 2001(345), 790–797.
<https://doi.org/10.1056/NEJMoa010492>

Hurtado, M. D., & Vella, A. (2019). What is type 2 diabetes? *Medicine (United Kingdom)*, 47(1), 10–15. <https://doi.org/10.1016/j.mpmed.2018.10.010>

Jagannathan, A., Narayanan, V. V., Kulkarni, I., Jogdand, S. P., Pailoor, S., & Nagarathna, R. (2015). Prevalence of type 2 diabetes among Yoga practitioners: A pilot cross-sectional study in two districts in India. *International Journal of Yoga*, 8(2), 148–153.
<https://doi.org/10.4103/0973-6131.158485>

Jones, B. F. (1998). A reappraisal of the use of infrared thermal image analysis in medicine. *IEEE Transactions on Medical Imaging*, 17(6), 1019–1027.
<https://doi.org/10.1109/42.746635>

- Jyotsna, V., Ambekar, S., Dhawan, A., Joshi, A., Kumar, N., & Sreenivas, V. (2012). Comprehensive yogic breathing program improves quality of life in patients with diabetes. *Indian Journal of Endocrinology and Metabolism*, *16*(3), 423–428. <https://doi.org/10.4103/2230-8210.95692>
- Kenny, G. P., Sigal, R. J., & McGinn, R. (2016). Body temperature regulation in diabetes. *Temperature*, *3*(1), 119–145. <https://doi.org/10.1080/23328940.2015.1131506>
- Kerr, D., Gillam, E., Ryder, J., Trowbridge, S., Cavan, D., & Thomas, P. (2002). An Eastern art form for a Western disease: randomised controlled trial of yoga in patients with poorly controlled insulin-treated diabetes. *Practical Diabetes International*, *19*(6), 164–166. <https://doi.org/10.1002/pdi.357>
- Khatri, D., Mathur, K. C., Gahlot, S., Jain, S., & Agrawal, R. P. (2007). Effects of yoga and meditation on clinical and biochemical parameters of metabolic syndrome. *Diabetes Research and Clinical Practice*, *78*(3), 9–10. <https://doi.org/10.1016/j.diabres.2007.05.002>
- Khazrai, Y. M., Defeudis, G., & Pozzilli, P. (2014). Effect of diet on type 2 diabetes mellitus: a review. *Diabetes Metabolism Research and Reviews*, *30*(S1), 24–33. <https://doi.org/10.1002/dmrr.2515>
- Kirlian, S. D., & Kirlian, V. K. (1961). Photographing and visual observation by means of high frequency currents. *Science and Applications of Photography*, *6*(6), 397–403.
- Knol, M. J., Twisk, J. W. R., Beekman, A. T. F., Heine, R. J., Snoek, F. J., & Pouwer, F. (2006). Depression as a risk factor for the onset of type 2 diabetes mellitus. A meta-analysis. *Diabetologia*, *49*, 837–845. <https://doi.org/10.1007/s00125-006-0159-x>
- Knowler, W., Barrett-Connor, E., Fowler, S., Hamman, R., Lachin, J., Walker, E., & Nathan,

- D. (2002). Reduction in the Incidence of Type 2 Diabetes with Lifestyle Intervention or Metformin. *New England Journal of Medicine*, 346(6), 393–403.
<https://doi.org/10.1056/NEJMoa012512>
- Korotkov, K.G. (2011). Energy Fields Electrophotonic analysis in Humans and Nature. In *Amazon.com Publishing*.
- Korotkov, KG. (2002). Human Energy Field: Study with GDV bioelectrography. In *Fair Lawn: Backbone Publishing Co.*
- Korotkov, Konstantin. (2004). Diagnosis and monitoring of the human energy-informational state and analysis of subtle energies, applying Gas Discharge Visualization technique. In *Saint-Petersburg Technical University SPIFMO, Russia*.
www.korotkov.org/file/doc/korotkov_ing.doc
- Korotkov, Konstantin G., Matravers, P., Orlov, D. V., & Williams, B. O. (2010). Application of Electrophoton Capture (EPC) Analysis Based on Gas Discharge Visualization (GDV) Technique in Medicine: A Systematic Review. *The Journal of Alternative and Complementary Medicine*, 16(1), 13–25. <https://doi.org/10.1089/acm.2008.0285>
- Korotkov, Konstantin, Shelkov, O., Shevtsov, A., Mohov, D., Paoletti, S., Mirosnichenko, D., Labkovskaya, E., & Robertson, L. (2012). Stress Reduction with Osteopathy Assessed with GDV Electrophotonic Imaging: Effects of Osteopathy Treatment. *The Journal of Alternative and Complementary Medicine*, 18(3), 251–257.
<https://doi.org/10.1089/acm.2010.0853>
- Korotkov, Konstantin, Williams, B., & Wisneski, L. a. (2004). Assessing biophysical energy transfer mechanisms in living systems: the basis of life processes. *Journal of Alternative and Complementary Medicine (New York, N.Y.)*, 10(1), 49–57.
<https://doi.org/10.1089/107555304322848959>

- Kostyuk, N., Cole, P., Meghanathan, N., Isokpehi, R. D., & Cohly, H. P. (2011). Gas discharge visualization: An imaging and modeling tool for medical biometrics. *International Journal of Biomedical Imaging*, 2011. <https://doi.org/10.1155/2011/196460>
- Kosuri, M., & Sridhar, G. R. (2009). Yoga Practice in Diabetes Improves Physical and Psychological Outcomes. *Metabolic Syndrome and Related Disorders*, 7(6), 515–518. <https://doi.org/10.1089/met.2009.0011>
- Kumar, K., Mondal, B., Nagendra, H., Ilavarasu, J., & Srinivasan, T. (2018). Classification of electrophotonic images of yogic practice of mudra through neural networks. *International Journal of Yoga*, 11(2), 152–156. https://doi.org/10.4103/ijoy.ijoy_76_16
- Kushwah, Kuldeep K., Srinivasan, T. M., Nagendra, H. R., & Ilavarasu, J. V. (2016). Effect of yoga based techniques on stress and health indices using electro photonic imaging technique in managers. *Journal of Ayurveda and Integrative Medicine*, 7(2), 119–123. <https://doi.org/10.1016/j.jaim.2015.05.001>
- Kushwah, Kuldeep Kumar, Nagendra, H. R., & Srinivasan, T. M. (2015). Effect of Integrated Yoga Program on Energy Outcomes as a Measure of Preventive Health Care in Healthy People. *Central European Journal of Sport Sciences and Medicine*, 12(4), 61–71. <https://doi.org/10.18276/cej.2015.4-07>
- Kyizom, T., Singh, S., Singh, K. P., Tandon, O. P., & Kumar, R. (2010). Effect of pranayama & yoga-asana on cognitive brain functions in type 2 diabetes-P3 event related evoked potential (ERP). *Indian Journal of Medical Research*, 131(5), 636–640.
- Lahiri, B. B., Bagavathiappan, S., Jayakumar, T., & Philip, J. (2012). Medical applications of infrared thermography: A review. *Infrared Physics and Technology*, 55(4), 221–235. <https://doi.org/10.1016/j.infrared.2012.03.007>

- Lahiri, B., Bagavathiappan, S., ... T. J.-I. P. &, & 2012, undefined. (n.d.). Medical applications of infrared thermography: a review. *Elsevier*.
- Lavery, L. A., Higgins, K. R., Lanctot, D. R., Constantinides, G. P., Zamorano, R. G., Athanasiou, K. A., Armstrong, D. G., & Agrawal, C. M. (2007). Preventing Diabetic Foot Ulcer Recurrence in High-Risk Patients. *Diabetes Care*, *30*(1), 14–20.
<https://doi.org/10.2337/DC06-1600>
- Lovibond, P. F., & Lovibond, S. H. (1995). The structure of negative emotional states: Comparison of the Depression Anxiety Stress Scales (DASS) with the Beck Depression and Anxiety Inventories. *Behaviour Research and Therapy*, *33*(3), 335–343.
- Mackowiak, P., & Wasserman, S. (1995). Physicians' perceptions regarding body temperature in health and disease. *Southern Medical Journal*, *88*(9), 934–948.
- Mahapure, H. H., Shete, S. U., & Bera, T. K. (2008). Effect of yogic exercise on super oxide dismutase levels in diabetics. *International Journal of Yoga*, *1*(1), 21–26.
<https://doi.org/10.4103/0973-6131.36792>
- Malhotra, V., Singh, S., Tandon, O. P., Madhu, S. V., Prasad, A., & Sharma, S. B. (2002). Effect of Yoga asanas on nerve conduction in type 2 diabetes. In *Indian journal of physiology and pharmacology* (Vol. 46).
- Malhotra, V., Singh, S., Tandon, O. P., & Sharma, S. B. (2005). The beneficial effect of yoga in diabetes. *Nepal Medical College Journal : NMCJ*, *7*(2), 145–147.
<http://www.ncbi.nlm.nih.gov/pubmed/16519085>
- Marín-Peñalver, J. J., Martín-Timón, I., Sevillano-Collantes, C., & Cañizo-Gómez, F. J. del. (2016). Update on the treatment of type 2 diabetes mellitus. *World Journal of Diabetes*, *7*(17), 354–395. <https://doi.org/10.4239/wjd.v7.i17.354>

- McDermott, K. A., Rao, M. R., Nagarathna, R., Murphy, E. J., Burke, A., Nagendra, R. H., & Hecht, F. M. (2014). A yoga intervention for type 2 diabetes risk reduction: a pilot randomized controlled trial. *BMC Complementary and Alternative Medicine, 14*(1), 212. <https://doi.org/10.1186/1472-6882-14-212>
- Mishra, A. S., SK, R., HS, V., Nagarathna, R., Anand, A., Bhutani, H., Sivapuram, M. S., Singh, A., & Nagendra, H. R. (2020). Knowledge, Attitude, and Practice of Yoga in Rural and Urban India, KAPY 2017: A Nationwide Cluster Sample Survey. *Medicines, 7*(2), 8. <https://doi.org/10.3390/medicines7020008>
- Modest, M. F. (2013). *Radiative Heat Transfer* (Vol. 1). Elsevier. https://books.google.co.in/books?hl=en&lr=&id=J2KZq0e4lCIC&oi=fnd&pg=PP1&dq=Radiative+heat+transfer+Modest&ots=_B94AcTYb1&sig=J8c9PfsLJszeXar2_4C49McIT6s&redir_esc=y#v=onepage&q=Radiative+heat+transfer+Modest&f=false
- 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), 195–205. 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*, 122–130. <https://doi.org/10.1007/s13410-012-0078-y>
- Naicker, K., Johnson, J. A., Skogen, J. C., Manuel, D., Øverland, S., Sivertsen, B., & Colman, I. (2017). Type 2 diabetes and comorbid symptoms of depression and anxiety:

Longitudinal associations with mortality risk. *Diabetes Care*, 40(3), 352–358.

<https://doi.org/10.2337/dc16-2018>

Nich, C., & Carroll, K. M. (2002). “Intention-to-treat” meets “missing data”: Implications of alternate strategies for analyzing clinical trials data. *Drug and Alcohol Dependence*, 68(2), 121–130. [https://doi.org/10.1016/S0376-8716\(02\)00111-4](https://doi.org/10.1016/S0376-8716(02)00111-4)

Nouwen, A., Winkley, K., Twisk, J., Lloyd, C. E., Peyrot, M., Ismail, K., & Pouwer, F. (2010). Type 2 diabetes mellitus as a risk factor for the onset of depression: A systematic review and meta-analysis. *Diabetologia*, 53(1), 2480–2486. <https://doi.org/10.1007/s00125-010-1874-x>

Olokoba, A. B., Obateru, O. A., & Olokoba, L. B. (2012). Type 2 diabetes mellitus: A review of current trends. In *Oman Medical Journal* (Vol. 27, Issue 4, pp. 269–273). Oman Medical Specialty Board. <https://doi.org/10.5001/omj.2012.68>

Otsuka, K., & Togawa, T. (1997). Hippocratic thermography. *Physiological Measurement*, 18(3), 227–232. <https://doi.org/10.1088/0967-3334/18/3/007>

Ozougwu, O. (2013). The pathogenesis and pathophysiology of type 1 and type 2 diabetes mellitus. *Journal of Physiology and Pathophysiology*, 4(4), 46–57. <https://doi.org/10.5897/jpap2013.0001>

Pandey, A., Tripathi, P., Pandey, R., Srivatava, R., & Goswami, S. (2011). Alternative therapies useful in the management of diabetes: A systematic review. In *Journal of Pharmacy and Bioallied Sciences* (Vol. 3, Issue 4, pp. 504–512). Wolters Kluwer -- Medknow Publications. <https://doi.org/10.4103/0975-7406.90103>

Prathikanti, S., Rivera, R., Cochran, A., Tungol, J. G., Fayazmanesh, N., & Weinmann, E. (2017). Treating major depression with yoga: A prospective, randomized, controlled

- pilot trial. In *PLoS ONE* (Vol. 12, Issue 3, p. e0173869). Public Library of Science.
<https://doi.org/10.1371/journal.pone.0173869>
- Raveendran, A. V., Deshpandae, A., & Joshi, S. R. (2018). Therapeutic Role of Yoga in Type 2 Diabetes. *Endocrinology and Metabolism*, 33(3), 307–317.
<https://doi.org/10.3803/EnM.2018.33.3.307>
- Reutrakul, S., & Cauter, E. Van. (2014). Interactions between sleep, circadian function, and glucose metabolism: implications for risk and severity of diabetes. *Annals of the New York Academy of Sciences*, 1311, 151–173. <https://doi.org/10.1111/nyas.12355>
- Ring, E., & Ammer, K. (2000). The Technique of Infra red Imaging in Medicine. *Thermology International*, 10, 7–14.
- Ring, F. (2010). Thermal Imaging Today and Its Relevance to Diabetes. *Journal of Diabetes Science and Technology*, 4(4), 857–862. <https://doi.org/10.1177/193229681000400414>
- Sahay, B. K. (2007). Role of yoga in diabetes. *Journal of Association of Physicians of India*, 55(FEB.), 121–126.
- Sahoo, S., & Pradhan, B. (2015). The immediate effect on psycho-physiological changes after practice set of asana. *International Journal of Yoga - Philosophy, Psychology and Parapsychology*, 1(2), 82–86. <https://doi.org/10.4103/2347-5633.157898>
- Shantakumari, N., Sequeira, S., & El Deeb, R. (2013). Effects of a yoga intervention on lipid profiles of diabetes patients with dyslipidemia. *Indian Heart Journal*, 65, 127–131.
<https://doi.org/10.1016/j.ihj.2013.02.010>
- Sharma, B., & Hankey, A. (2014). Gas Discharge Visualization characteristics of an Indian Diabetes population. *Voice of Research*, 2(4), 1–7.
- Shiva Kumar, K., Srinivasan, T., Nagendra, H., & Marimuthu, P. (2016). Electrophotonic

Imaging Based Analysis of Diabetes. *International Journal of Complementary & Alternative Medicine*, 4(5), 1–6. <https://doi.org/10.15406/ijcam.2016.04.00134>

Singh, S., Kyizom, T., Singh, K. P., Tandon, O. P., & Madhu, S. V. (2008). Influence of pranayamas and yoga-asanas on serum insulin, blood glucose and lipid profile in type 2 diabetes. *Indian Journal of Clinical Biochemistry : IJCB*, 23(4), 365–368. <https://doi.org/10.1007/s12291-008-0080-9>

Sivanandam, S., Anburajan, M., Venkatraman, B., Menaka, M., & Sharath, D. (2012). Medical thermography: A diagnostic approach for type 2 diabetes based on non-contact infrared thermal imaging. *Endocrine*, 42(2), 343–351. <https://doi.org/10.1007/s12020-012-9645-8>

Sivanandam, S., Anburajan, M., Venkatraman, B., Menaka, M., & Sharath, D. (2013). Estimation of blood glucose by non-invasive infrared thermography for diagnosis of type 2 diabetes: An alternative for blood sample extraction. *Molecular and Cellular Endocrinology*, 367(1–2), 57–63. <https://doi.org/10.1016/j.mce.2012.12.017>

Sivanandam, S., Anushree, B., Sruthartha, B., Lashya, K., Anithakrithi, B., & Naveena, P. (2017). Infrared thermometer: A surrogate tool for the undiagnosed diabetes in comparison with the indian diabetes risk score. *International Journal of Pure and Applied Mathematics*, 115(6 Special Issue), 483–490.

Skoro-Kondza, L., Tai, S. S., Gadelrab, R., Drincevic, D., & Greenhalgh, T. (2009). Community based yoga classes for type 2 diabetes: An exploratory randomised controlled trial. *BMC Health Services Research*, 9. <https://doi.org/10.1186/1472-6963-9-33>

Smith, K. J., Béland, M., Clyde, M., Gariépy, G., Pagé, V., Badawi, G., Rabasa-Lhoret, R., & Schmitz, N. (2013). Association of diabetes with anxiety: A systematic review and

meta-analysis. *Journal of Psychosomatic Research*, 74(2), 89–99.

<https://doi.org/10.1016/j.jpsychores.2012.11.013>

StJohn, A., Davis, T. M. E., Goodall, I., Townsend, M. A., & Price, C. P. (2006). Nurse-based evaluation of point-of-care assays for glycated haemoglobin. *Clinica Chimica Acta*, 365(1–2), 257–263. <https://doi.org/10.1016/j.cca.2005.09.003>

Sun, P., Lin, H., Jao, S., Ku, Y., ... R. C.-D. research and, & 2006, undefined. (n.d.). Relationship of skin temperature to sympathetic dysfunction in diabetic at-risk feet. *Elsevier*.

Surwit, R. S., Schneider, M. S., & Feinglos, M. N. (1992). Stress and diabetes mellitus. *Diabetes Care*, 15(10), 1413–1422. <https://doi.org/10.2337/diacare.15.10.1413>

Sushrutha, S., Hegde, M., Nagendra, H. R., & Srinivasan, T. M. (2014). Comparative study of Influence of Yajña and Yog ā sana on stress level as Measured by Electron Photonic Imaging (EPI) Technique. *International Journal of Science and Research*, 3(8), 1402–1406.

Sushrutha, S., Madappa, K., & Nagendra, H. R. (2014). Effect of Bhaishajya Maha Yajna on Human Energy Field and Environment. *International Journal of Innovative Research in Science & Engineering*, 1–8.

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), 1352–1362. [https://doi.org/10.1016/S2214-109X\(18\)30387-5](https://doi.org/10.1016/S2214-109X(18)30387-5)

- Taneja, D. K. (2014). Yoga and health. *Indian Journal of Community Medicine*, 39(2), 68–72. <https://doi.org/10.4103/0970-0218.132716>
- Telles, S., Singh, N., & Balkrishna, A. (2011). Heart rate variability changes during high frequency yoga breathing and breath awareness. *BioPsychoSocial Medicine*, 5(1), 1–7. <https://doi.org/10.1186/1751-0759-5-4/FIGURES/4>
- Vaccarino, V., Mayer, E., & Bremner, J. D. (2016). Stress and health. In *Posttraumatic Stress Disorder: From Neurobiology to Treatment* (pp. 361–386). <https://doi.org/10.1002/9781118356142.ch15>
- Vaishali, K., Kumar, K. V., Adhikari, P., & UnniKrishnan, B. (2012). Effects of Yoga-Based Program on Glycosylated Hemoglobin Level Serum Lipid Profile in Community Dwelling Elderly Subjects with Chronic Type 2 Diabetes Mellitus—A Randomized Controlled Trial. *Physical & Occupational Therapy In Geriatrics*, 30(1), 22–30. <https://doi.org/10.3109/02703181.2012.656835>
- WHO. (2012). Global Guidelines for type 2 diabetes. *Global Guideline for Type 2 Diabetes*, 2–4. www.idf.org
- Willi, C., Bodenmann, P., Ghali, W. A., Faris, P. D., & Cornuz, J. (2007). Active smoking and the risk of type 2 diabetes: A systematic review and meta-analysis. *Journal of the American Medical Association*, 298(22), 2654–2664. <https://doi.org/10.1001/jama.298.22.2654>
- Wróbel, I. L. C., Szadkowska, I., Masajtis, J., & Goch, J. H. (2010). Images of corona discharges in patients with cardiovascular diseases as a preliminary analysis for research of the influence of textiles on images of corona discharges in textiles' users. *Autex Research Journal*, 10(1), 26–30.

- Yakovleva, E., & Korotkov, K. (2012). Electrophotonic Analysis in Medicine: GDV Bioelectrography Research. In *Amazon. com Publishing*.
- Yang, K., Bernardo, L. M., Sereika, S. M., Conroy, M. B., Balk, J., & Burke, L. E. (2011). Utilization of 3-month yoga program for adults at high risk for type 2 diabetes: A pilot study. *Evidence-Based Complementary and Alternative Medicine*, 2011, 257891. <https://doi.org/10.1093/ecam/nep117>
- Yardley, J. E., Stapleton, J. M., Sigal, R. J., & Kenny, G. P. (2013). Do Heat Events Pose a Greater Health Risk for Individuals with Type 2 Diabetes? *Diabetes Technology & Therapeutics*, 15(6), 520–529. <https://doi.org/10.1089/dia.2012.0324>
- Zaccardi, F., Webb, D. R., Yates, T., & Davies, M. J. (2016). Pathophysiology of type 1 and type 2 diabetes mellitus: A 90-year perspective. *Postgraduate Medical Journal*, 92(1084). <https://doi.org/10.1136/postgradmedj-2015-133281>
- Zheng, Y., Ley, S. H., & Hu, F. B. (2018). Global aetiology and epidemiology of type 2 diabetes mellitus and its complications. *Nature Reviews Endocrinology*, 14, 88–98. <https://doi.org/10.1038/nrendo.2017.151>