

CHAPTER-9

Bibliography

BIBLIOGRAPHY:

1. Aaslid, R., Lindegaard, K. F., Sorteberg, W., & Nornes, H. (1989). Cerebral autoregulation dynamics in humans. *Stroke*, 20, 45-52.
2. Abel, A. N., Lloyd, L. K., & Williams, J. S. (2013). The effects of regular yoga practice on pulmonary function in healthy individuals: a literature review. *J Altern Complement Med*, 19, 185-190.
3. Adhana, R., Gupta, R., Dvivedi, J., & Ahmad, S. (2013). The influence of the 2:1 yogic breathing technique on essential hypertension. *Indian J Physiol Pharmacol*, 57, 38-44.
4. Ankad, R. B., Herur, A., Patil, S., Shashikala, G. V., & Chinagudi, S. (2011). Effect of Short-Term Pranayama and Meditation on Cardiovascular Functions in Healthy Individuals. *Heart Views*, 12, 58–62.
5. Backon, J., Matamoros, N., Ramirez, M., Sanchez, R. M., Ferrer, J., Brown, A., & Ticho, U. (1990). A functional vagotomy induced by unilateral forced right nostril breathing decreases intraocular pressure in open and closed angle glaucoma, *Br J Ophthalmol*, 74, 607-609.
6. Bathala, L., Mehndiratta, M. M., & Sharma, V. K. (2013). Transcranial doppler: Technique and common findings (Part 1). *Ann Indian Acad Neurol*, 16, 174-179.
7. Battisti-Charbonney, A., Fisher, J., & Duffin, J. (2011). The cerebrovascular response to carbon dioxide in humans. *J Physiol*, 589 (Pt 12), 3039-3048.
8. Betal, C. (2015). Pranayama: A Unique Means of Achieving Emotional Stability. *International Journal of Health Sciences and Research*, 5(12), 377-385.

9. Bhargava, R., Gogate, M. G., & Mascarenhas, J. F. (1988). Autonomic responses to breath holding and its variations following Pranayama. *Indian J Physiol Pharmacol*, 32, 257-64.
10. Bhavanani, A. B., & Madanmohan, Z. S. (2012). Immediate effect of chandranadi Pranayama (left unilateral forced nostril breathing) on cardiovascular parameters in hypertensive patients. *Int J Yoga*, 5, 108-11.
11. Bhavanani, A. B., Sanjay, Z., & Basavaraddi, I. V. (2012). Immediate cardiovascular effects of pranava Pranayama in hypertensive patients. *Indian J Physiol Pharmacol*, 56, 273-8.
12. Bhavanani, A. B., Madanmohan, S., & Zeena, S. (2012). Suryanadi Pranayama (Right Unilateral Nostril Breathing) May be Safe for Hypertensives. *J Yoga Phys Ther*, 2, 118.
13. Bhavanani, A. B., Ramanathan, M., Balaji, R., & Pushpa, D. (2014). Differential effects of uninostil and alternate nostril Pranayamas on cardiovascular parameters and reaction time. *Int J Yoga*, 7, 60-65.
14. Bhavanani, A. B., Sanjay, Z., & Madanmohan. (2011). Immediate effect of sukha Pranayama on cardiovascular variables in patients of hypertension. *Int J Yoga Therap*, 21(1), 73-76.
15. Bhimani, N. T., Kulkarni, N. B., Kowale, A., & Salvi, S. (2011). Effect of Pranayama on stress and cardiovascular autonomic function. *Indian J Physiol Pharmacol*, 55, 370-377.
16. Birdsill, A. C., Carlsson, C. M., Willette, A. A., Okonkwo, O. C., Johnson, S. C., Xu, G., & Hermann, B. P. (2013). Low cerebral blood flow is associated with lower memory function in metabolic syndrome. *Obesity*, 21(7), 1313-1320.

17. Cernes, R., & Zimlichman, R. (2015). Resperate: the role of paced breathing in hypertension treatment. *J Am Soc Hypertens*, 9(1), 38-47.
18. Chaddha, A. (2015). Slow breathing and cardiovascular disease. *Int J Yoga*, 8, 142-143.
19. Chandla, S. S., Sood, S., Dogra, R., Das, S., Shukla, S. K., & Gupta, S. (2013). Effect of short-term practice of pranayamic breathing exercises on cognition, anxiety, general well being and heart rate variability. *J Indian Med Assoc*, 111(10), 662-665.
20. Chen, J., Liu, J., Xu, W. H., Xu, R., Hou, B., Cui, L. Y., & Gao, S. (2014). Impaired dynamic cerebral autoregulation and cerebrovascular reactivity in middle cerebral artery stenosis. *PLoS One*, 9(2), e88232.
21. Cipolla, M. J. (2009). *The Cerebral Circulation*. San Rafael (CA): Morgan & Claypool Life Sciences, Chapter 2, Anatomy and Ultrastructure.
22. Cramer, H., Lauche, R., Haller, H., Steckhan, N., Michalsen, A., & Dobos, G. (2014). Effects of yoga on cardiovascular disease risk factors: a systematic review and meta-analysis. *Int J Cardiol*, 173(2), 170-183.
23. Dabhade, A. M., Pawar, B. H., Ghunage, M. S., & Ghunage, V. M. (2012). Effect of pranayama (breathing exercise) on arrhythmias in the human heart. *Explore: The J Sci and Healing*, 8(1), 12-15.
24. Dane, S., Caliskan, E., Karasen, M., & Öztasan, N. (2002). Effects of unilateral nostril breathing on blood pressure and heart rate in right-handed healthy subjects. *Int J Neurosci*, 112, 97-102.

25. Desai, B. P., &Gharote, M. L. (1990). Effect of Kapalabhati on blood urea, creatinine and tyrosine. *Act Nerv Super*, 32(2), 95-98.
26. Desai, R., Tailor, A., & Bhatt, T. (2015). Effects of yoga on brain waves and structural activation: A review. *Complement TherClinPract*,21(2), 112-118.
27. Desveaux, L., Lee, A., Goldstein, R., & Brooks, D. (2015). Yoga in the Management of Chronic Disease: A Systematic Review and Meta-analysis. *Med Care*, 53,653-61.
28. Dick, T. E., Mims, J. R., Hsieh, Y. H., Morris, K. F., &Wehrwein, E. A. (2014). Increased cardiorespiratory coupling evoked by slow deep breathing can persist in normal humans. *RespirPhysiolNeurobiol*,204, 99-111.
29. Efimova, N. Y., Chernov, V. I., Efimova, I. Y., &Lishmanov, Y. B. (2015). Influence of anti-hypertensive therapy on cerebral perfusion in patients with metabolic syndrome: relationship with cognitive function and 24-hour arterial bloodpressure monitoring. *Cardiovasc Ther*, 2015, 19.
30. Ghiya, S., & Lee, C. M. (2012). Influence of alternate nostril breathing on heart rate variability in non-practitioners of yogic breathing. *Int J Yoga*, 5, 66-69.
31. Gong, X. P., Li, Y., Jiang, W. J., & Wang, Y. (2006). Impaired dynamic cerebral autoregulation inmiddle cerebral artery stenosis. *Neurol Res*, 28, 76-81.
32. Gothe, N. P., Kramer, A. F., &McAuley, E. (2014). The effects of an 8-week Hatha yoga intervention on executive function in older adults. *J GerontolABiol Sci Med Sci*, 69, 110916.
33. Goyal, R., Lata, H., Walia, L., &Narula, M. K. (2014). Effect of Pranayama on rate pressure product in mild hypertensives. *International Journal of Applied and Basic Medical Research*,4, 67-71.

34. Hartley, L., Dyakova, M., Holmes, J., Clarke, A., Lee, M. S., Ernst, E., & Rees, K. (2014). Yoga for the primary prevention of cardiovascular disease. *Cochrane Database Syst Rev*, 5, CD010072.
35. Innes, K. E, &Selfe, T. K. (2015). Yoga for Adults with Type 2 Diabetes: A Systematic Review of Controlled Trials. *J Diabetes Res*, 2016, 6979370.
36. Iyengar, B. K. S. (2002). *Light on yoga*. 7th ed. New Delhi, Harpercollins Publishers.
37. Jain, N., Srivastava, R. D., & Singhal, A. (2005). The effects of right and left nostril breathing on cardiorespiratory and autonomic parameters. *Indian J Physiol Pharmacol*, 49, 469-474.
38. 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. *Med Hypotheses*, 67, 566-571.
39. Johnson, D. B., Tierney, M. J., & Sadighi, P. J. Kapalabhati Pranayama: breath of fire or cause of pneumothorax? A case report. *Chest*, 125, 1951-1952.
40. Joseph, C. N., Porta, C., Casucci, G., Casiraghi, N., Maffeis, M., Rossi, M., & Bernardi, L. (2005). Slow Breathing Improves Arterial Baroreflex Sensitivity and decreases Blood Pressure in Essential Hypertension. *Hypertension*. 46, 714-718.
41. Kaley-Isley, L. C., Peterson, J., Fischer, C., & Peterson, E. (2010). *Yoga as a Complementary Therapy for Children and Adolescents A Guide for Clinicians*. *Psychiatry (Edgmont)*. 7, 20-32.
42. Karthik, P. S., Chandrasekhar, M., Ambareesha, K., & Nikhil C. (2014). Effect of Pranayama and Suryanamaskar on Pulmonary Functions in Medical Students. *J Clin Diagn Res*, 8, BC04-06.

43. Kassab, M. Y., Majid, A., Farooq, M. U., Azhary, H., Hershey, L. A., Bednarczyk, E. M., & Johnson, M. D. (2007). Transcranial Doppler: an introduction for primary care physicians. *J Am Board Fam Med*, 20, 65-71.
44. Kuppusamy, M., Kamaldeen, D., Pitani, R., & Amaldas, J. (2016). Immediate effects of Bhramari pranayama on resting cardiovascular parameters in healthy adolescents. *J ClinDiagn Res*, 10(5), CC17.
45. Kwong, J. S., Lau, H. L., Yeung, F., & Chau, P. H. (2015). Yoga for secondary prevention of coronary heart disease. *Cochrane Database Syst Rev*, 7, CD009506.
46. Kyizom, T., Singh, S., Singh, K. P., Tandon, O. P., & Kumar, R. (2010). Effect of pranayama & yogaasana on cognitive brain functions in type 2 diabetes-P3 event related evoked potential (ERP). *Indian J Med Res*, 131, 636-640.
47. Larson, G., Zaichkowsky, L. D., & Mostofsky, D. I. (1993). Forced unilateral nostril breathing (FUNB) effects on the autonomic nervous system: an unsupported claim. *Med Hypotheses*, 41, 367-369.
48. Lynton, H., Kligler, B., & Shiflett, S. (2007). Yoga in stroke rehabilitation: a systematic review and results of a pilot study. *Top Stroke Rehabil*, 14, 1-8.
49. Madanmohan., Udupa, K., Bhavanani, A. B., Vijayalakshmi, P., & Surendiran, A. (2005). Effect of slow and fast pranayams on reaction time and cardiorespiratory variables. *Indian J PhysiolPharmacol*, 49, 313-318.
50. Manolio, T. A., Olson, J., & Longstreth, W. T. (2003). Hypertension and cognitive function: pathophysiologic effects of hypertension on the brain. *CurrHypertens Rep*, 5, 255-261.
51. Mason, H., Vandoni, M., Debarbieri, G., Codrons, E., Ugargol, V., & Bernardi, L. (2013). Cardiovascular and respiratory effect of yogic slow breathing in the yoga beginner: what is the best approach. *Evid Based Complement Alternat Med*, 743504.

52. Mishra, S. K., Singh, P., Bunch, S. J., & Zhang, R. (2012). The therapeutic value of yoga in neurological disorders. *Ann Indian Acad Neurol*, 15, 247-254.
53. Mooventhan, A., & Khode, V. (2014). Effect of Bhramari Pranayama and OM chanting on pulmonary function in healthy individuals: A prospective randomized control trial. *Int J Yoga*, 7, 104-110.
54. Moretti, R., Torre, P., Antonello, R. M., Manganaro, D., Vilotti, C., & Pizzolato, G. (2008). Risk factors for vascular dementia: hypotension as a key point. *Vasc Health Risk Manag*, 4, 395-402.
55. Muktibodhananda S. (1984). *Swara Yoga*. Bihar, Yoga Publications Trust.
56. Muktibodhananda S. (1985). *Hatha yoga Pradipika*. First edition, Bihar, India: Yoga publication trust.
57. Muralikrishnan, K., Balakrishnan, B., Balasubramanian, K., & Visnegarawla, F. (2012). Measurement of the effect of Isha Yoga on cardiac autonomic nervous system using short-term heart rate variability. *J Ayurveda Integr Med*, 3, 91-96.
58. Nasr, N., Traon, A. P., Czosnyka, M., Tiberge, M., Schmidt, E., & Larrue, V. (2009). Cerebral autoregulation in patients with obstructive sleep apnea syndrome during wakefulness. *Eur J Neurol*, 16, 386-391.
59. Niranjanananda. (2009). *Prana and Pranayama*. First edition, Bihar, India: Yoga publication trust.
60. Pal, G. K., Velkumary, S., & Madanmohan. (2004). Effect of short-term practice of breathing exercises on autonomic functions in normal human volunteers. *Indian J Med Res*, 120, 115-21.
61. Pal, R., Saha, M., Chatterjee, A., Halder, K., Tomer, O. M., & Pathak A. (2013). Anaerobic power, muscle strength and physiological changes in physically active men following yogic practice. *Biomed Hum Kinetics*. 5, 113-120.

62. Pires, P. W., Dams Ramos, C. M., Matin, N., &Dorrance, A. M. (2013). The effects of hypertension on the cerebral circulation. *Am J Physiol Heart CircPhysiol*, 304, H1598-H1614.
63. Posadzki, P., Cramer, H., Kuzdzal, A., Lee, M. S., &Ernst, E. (2014). Yoga for hypertension: a systematic review of randomized clinical trials. *Complement Ther Med*,22, 51122.
64. Pradhan, B. (2013). Effect of kapalabhati on performance of six-letter cancellation and digit letter substitution task in adults. *Int J Yoga*, 6(2), 128.
65. Pramanik, T., Pudasaini, B., &Prajapati R. (2010). Immediate effect of a slow pace breathing exercise Bhramari Pranayama on blood pressure and heart rate. *Nepal Med Coll J*, 12, 154-157.
66. Pramanik, T., Sharma, H. O., Mishra, S., Mishra, A., Prajapati, R., &Singh, S. (2009). Immediate effect of slow pace bhastrika Pranayama on blood pressure and heart rate. *J Altern Complement Med*, 15, 293-295.
67. Purkayastha, S., &Sorond, F. (2012). Transcranial Doppler Ultrasound: Technique and Application. *SeminNeurol*, 32, 411–420.
68. Raghuraj, P., Ramakrishnan, A. G., Nagendra, H. R., &Telles, S. (1998). Effect of two selected yogicbreathing techniques on heart rate variability. *Indian J PhysiolPharmacol*, 42, 467-472.
69. Raghuraj, P., &Telles, S. (2008). Immediate effect of specific nostril manipulating yoga breathingpractices on autonomic and respiratory variables. *ApplPsychophysiol Biofeedback*, 33, 65-75.
70. Raibahadur-srisa. (1914). *Siva Samhita*. Frist edition, India: Apurva Krishna bose press.

71. Raibahadur-srisa. (1915). Gheranda Samhita. First edition, Delhi, India: Sri Satguru publications.
72. Rajapurkar, M. V. (1990). Yoga and research - plea for a new approach. *Anc Sci Life*, 10, 40-44.
73. Rajesh, S. K., Ilavarasu, J. V., &Srinivasan, T. M. (2014). Effect of Bhramari Pranayama on response inhibition: Evidence from the stop signal task. *Int J Yoga*, 7, 138-141.
74. Reinhard, M., Gerds, T. A., Grabiak, D., Zimmermann, P. R, Roth, M., Guschlbauer, B., Timmer, J., Czosnyka, M., Weiller, C.,&Hetzl, A. (2008). Cerebral dysautoregulation and the risk of ischemic events in occlusive carotidartery disease. *J Neurol*, 255, 1182.
75. Samantaray, S., &Telles, S. (2008). Nostril dominance at rest associated with performance of a left hemisphere-specific cancellation task. *Int J Yoga*,1, 56-59.
76. Santaella, D. F., Devesa, C. R., Rojo, M. R., Amato, M. B., Drager, L. F., Casali, K. R, &Lorenzi-Filho, G.(2011). Yoga respiratory training improves respiratory function and cardiac sympathovagal balance in elderly subjects: a randomised controlled trial. *BMJ Open*, 1, e000085.
77. Saraswati, S. (2008). Asana Pranayama Mudra Bandha. 4th revised edition. Yoga PublicationsTrust, Munger, Bihar, India.
78. Schmid, A. A., Miller, K. K., Van Puymbroeck, M., &DeBaun-Sprague, E.(2014). Yoga leads to multiple physical improvements after stroke, a pilot study. *Complement Ther Med*, 22, 994-1000.
79. Sesso, H. D., Stampfer, M. J., Rosner, B., Hennekens, C. H., Gaziano, J. M., Manson, J. E., & Glynn, R. J. (2000).Systolic and Diastolic Blood Pressure, Pulse Pressure, and

Mean Arterial Pressure as Predictors of Cardiovascular Disease Risk in Men. Hypertension, 36, 801-807.

80. Shannahoff-Khalsa, D. S. (2007). Selective Unilateral Autonomic Activation: Implications for Psychiatry. *CNS Spectr*, 12, 625-634.
81. Shannahoff-Khalsa, D. S., & Kennedy, B. (1993). The effects of unilateral forced nostril breathing on the heart. *Int J Neurosci*, 73, 47-60.
82. Shannahoff-Khalsa, D. S., Sramek, B. B., Kennel, M. B., & Jamieson, S. W. (2004). Hemodynamic observations on a yogic breathing technique claimed to help eliminate and prevent heart attacks: a pilot study. *J Altern Complement Med*, 10, 757-766.
83. Sharma, V. K., M, R., S, V., Subramanian, S. K., Bhavanani, A. B., & Madanmohan. (2014). Effect of fast and slow pranayama practice on cognitive functions in healthy volunteers. *J ClinDiagn Res*, 8, 10-13.
84. Sharma, V. K., Trakroo, M., Subramaniam, V., Rajajeyakumar, M., Bhavanani, A. B., & Sahai, A. (2013). Effect of fast and slow pranayama on perceived stress and cardiovascular parameters in young health-care students. *Int J Yoga*, 6, 104-110.
85. 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 J ClinBiochem*, 23, 365-368.
86. Sinha, A. N., Deepak, D., & Gusain, V. S. (2013). Assessment of the Effects of Pranayama/ Alternate Nostril Breathing on the Parasympathetic Nervous System in Young Adults. *J ClinDiagn Res*, 7, 821-823.
87. Sivananda. (1935). The science of pranayama. First edition, Uttar Pradesh, India: A divine life society publication.
88. Siu, P. M., Yu, A. P., Benzie, I. F., & Woo, J. (2015). Effects of 1-year yoga on cardiovascular risk factors in middle-aged and older adults with metabolic syndrome: a randomized trial. *DiabetoMetabSyndr*, 7, 40.

89. Srinivasan, T. M. (1991). Pranayama and Brain Correlates. *Anc Sci Life*, 11(1-2), 2-6.
90. Srivastava, R. D., Jain, N., &Singhal, A. (2005). Influence of alternate nostril breathing on cardiorespiratory and autonomic functions in healthy young adults. *Indian J PhysiolPharmacol*, 49, 475–483.
91. Stancák, A. Jr, &Kuna, M. (1994). EEG changes during forced alternate nostril breathing. *Int J Psychophysiol*, 18, 75-79.
92. Stancák, A. Jr., Kuna, M., Srinivasan., Vishnudevananda, S., &Dostálek, C. (1991). Kapalabhatiyogic cleansing exercise. I. Cardiovascular and respiratory changes. *Homeost Health Dis*,33, 126-134.
93. Stanimirovic, D. B., &Friedman, A. (2012). Pathophysiology of the neurovascular unit: disease cause or consequence? *J Cereb Blood Flow Metab*,32, 1207-1221.
94. Subramanian, R. K., Devaki, P. R., &Saikumar, P. (2016). Alternate Nostril Breathing at Different Rates and itsInfluence on Heart Rate Variability in Non Practitioners of Yoga. *J ClinDiagn Res*, 10, CM01-2.
95. Tarumi, T., de Jong, D. L., Zhu, D. C., Tseng, B. Y., Liu, J., Hill, C., &Cullum, C. M.(2015). Central artery stiffness, baroreflex sensitivity, and brain white matter neuronal fiber integrity in older adults. *Neuroimage*, 110, 162-170.
96. Telles, S., Nagarathna, R., &Nagendra, H. R. (1994). Breathing through a particular nostril can alter metabolism and autonomic activities. *Indian J PhysiolPharmacol*, 38, 133-137.
97. Telles, S., Nagarathna, R., &Nagendra, H. R. (1996). Physiological measures of right nostril breathing. *J Altern Complement Med*,2, 479-484.

98. Telles, S., Sharma, S. K., &Balkrishna, A. (2014). Blood pressure and heart rate variability during yoga-based alternate nostril breathing practice and breath awareness. *Med Sci Monit Basic Res*, 20, 184-193.
99. Telles, S., Yadav, A., Kumar, N., Sharma, S., Visweshwaraiah, N. K., &Balkrishna, A. (2013). Blood pressure and Purdue pegboard scores in individuals with hypertension after alternate nostril breathing, breath awareness, and no intervention. *Med Sci Monit*, 19, 616.
100. Tharion, E., Samuel, P., Rajalakshmi, R., Gnanasenthil, G., &Subramanian, R. K. (2012). Influence of deep breathing exercise on spontaneous respiratory rate and heart rate variability: a randomised controlled trial in healthy subjects. *Indian J PhysiolPharmacol*, 56, 80-87.
101. Tsivgoulis, G., &Alexandrov, A. V. (2008). Cerebral hemodynamics in acute stroke: pathophysiology and clinical implications. *J VascIntervNeurol*, 1, 65-69.
102. Turankar, A. V., Jain, S., Patel, S. B., Sinha, S. R., Joshi, A. D., Vallish, B. N., &Turankar, S. A. (2013). Effects of slow breathing exercise on cardiovascular functions, pulmonary functions & galvanic skin resistance in healthy human volunteers - a pilot study. *Indian J Med Res*, 137, 916-921.
103. Tyagi, A., &Cohen, M. (2014). Yoga and hypertension: a systematic review. *AlternTher Health Med*, 20, 32-59.
104. Udupa, K., Madanmohan., Bhavanani, A. B., Vijayalakshmi, P., &Krishnamurthy, N. (2003). Effect of pranayam training on cardiac function in normal young volunteers. *Indian J PhysiolPharmacol*, 47, 27-33.
105. Upadhyay Dhungel, K., Malhotra, V., Sarkar, D., &Prajapati R. (2008). Effect of alternate nostril breathing exercise on cardiorespiratory functions. *Nepal Med Coll J*, 10, 25-27.

106. Urbano, F., Roux, F., Schindler, J., & Mohsenin V. (2008). Impaired cerebral autoregulation in obstructive sleep apnea. *J Appl Physiol*, 105, 1852-1857.
107. Veerabhadrapa, S. G., Baljoshi, V. S., Khanapure, S., Herur, A., Patil, S., Ankad, R. B., & Khanapure, S. (2011). Effect of yogic bellows on cardiovascular autonomic reactivity. *J Cardiovasc Dis Res*, 2, 223-227.
108. Vialatte, F. B., Bakardjian, H., Prasad, R., & Cichocki A. (2009). EEG paroxysmal gamma waves during Bhramari Pranayama: a yoga breathing technique. *Conscious Cogn*, 18, 977-988.
109. Willie, C. K., Tzeng, Y. C., Fisher, J. A., & Ainslie, P. N. (2014). Integrative regulation of human brain blood flow. *J Physiol*, 592, 841-859.
110. Yang, R., Brugniaux, J., Dhaliwal, H., Beaudin, A. E., Eliasziw, M., & Poulin, M. J. (2015). Studying cerebral hemodynamics and metabolism using simultaneous near-infrared spectroscopy and transcranial Doppler ultrasound: a hyperventilation and caffeine study. *Physiol Rep*, 3, e12378.