

References For Module 6

1. The Gut Microbiome and the Brain, Leo Galland, J Med Food. 2014 Dec 1; 17(12): 1261–1272.
2. Postnatal microbial colonization programs the hypothalamic–pituitary–adrenal system for stress response in mice, Nobuyuki Sudo et al, The Journal of Psychology, Volume 558, Issue 1 July 2004 Pages 263–275
3. Psychological stress in IBD: new insights into pathogenic and therapeutic implications, J E Mawdsley et al, Gut. 2005 Oct; 54(10): 1481–1491.
4. Gut–brain axis: how the microbiome influences anxiety and depression, Jane A. Foster et al, Trends in Neuroscience, Volume 36, Issue 5, p305–312, May 2013
5. Prebiotic intake reduces the waking cortisol response and alters emotional bias in healthy volunteers, Kristin Schmidt et al, Psychopharmacology, May 2015, Volume 232, Issue 10, pp 1793–1801
6. Consumption of Fermented Milk Product With Probiotic Modulates Brain Activity, Kirsten Tillisch et al, Gastroenterology, June 2013 Volume 144, Issue 7, Pages 1394–1401.e4
7. A randomized, double-blind, placebo-controlled pilot study of a probiotic in emotional symptoms of chronic fatigue syndrome, A Venket Rao et al, Gut Pathogens 2009 1:6
8. Prebiotic feeding elevates central brain derived neurotrophic factor, N-methyl-d-aspartate receptor subunits and d-serine, Helene M. Savignac et al, Neurochem Int. 2013 Dec; 63(8): 756–764
9. An Overview on Ashwagandha: A Rasayana (Rejuvenator) of Ayurveda, Narendra Singh, Afr J Tradit Complement Altern Med. 2011; 8(5 Suppl): 208–213.
10. Immunomodulatory and CNS effects of sitoindosides IX and X, two new glycowithanolides from *Withania somnifera* Ghosal S, Lal J, Srivastava R, Bhattacharya SK, Upadhyay SN, Jaiswal AK, et al. Phytother Res. 1989;3:201–6.
11. Bioactive compounds from *Rhodiola rosea* (Crassulaceae). Ming DS1 et al, Phytother Res. 2005 Sep;19(9):740–3.
12. Antiulcer activities of liquorice and its derivatives in experimental gastric lesion induced by ibuprofen in rats, A.R. Dehpour et al, International Journal of Pharmaceutics, Volume 119, Issue 2, 9 June 1995, Pages 133–138
13. Stress and The Gut: Pathophysiology, Clinical consequences, Diagnostic Approach and Treatment options, P.C. Konturek1, Journal of Physiology and Pharmacology 2011, 62, 6, 591–599
14. Stressor Exposure Disrupts Commensal Microbial Populations in the Intestines and Leads to Increased Colonization by *Citrobacter rodentium*, Michael T. Bailey et al, Infect Immun. 2010 Apr; 78(4): 1509–1519

15. Assessment of psychotropic-like properties of a probiotic formulation (*Lactobacillus helveticus* R0052 and *Bifidobacterium longum* R0175) in rats and human subjects, Messaoudi M1 et al, Br J Nutr. 2011 Mar;105(5):755-64
16. Memory and learning behavior in mice is temporally associated with diet-induced alterations in gut bacteria. Li W1, Dowd et al, Physiol Behav. 2009 Mar 23;96(4-5):557-67. doi: 10.1016/j.physbeh.2008.12.004. Epub 2008 Dec 24.
17. The probiotic *Bifidobacteria infantis*: An assessment of potential antidepressant properties in the rat, Desbonnet L1 et al, J Psychiatr Res. 2008 Dec;43(2):164-74.
18. Effect of probiotics *Lactobacillus* and *Bifidobacterium* on gut-derived lipopolysaccharides and inflammatory cytokines: an in vitro study using a human colonic microbiota model. Rodes L et al, J Microbiol Biotechnol. 2013 Apr;23(4):518-26.
19. Alzheimer's disease and the microbiome, Surjyadipta Bhattacharjee et al, Front Cell Neurosci. 2013; 7: 153.
20. Reversal of cognitive decline: A novel therapeutic program, Dale E. Bredesen¹, Aging, Vol 6, No 9 , pp 707-717
21. Genomic and Clinical Effects Associated with a Relaxation Response Mind-Body Intervention in Patients with Irritable Bowel Syndrome and Inflammatory Bowel Disease, Braden Kuo et al, PLOS ONE, April 30, 2015
22. Is eating behavior manipulated by the gastrointestinal microbiota? Evolutionary pressures and potential mechanisms, Joe Alcock et al, Bioessays. 2014 Oct; 36(10): 940–949.
23. Psychotherapy in somatic diseases--for example gastrointestinal disorders, Moser G1. Psychiatr Danub. 2007 Dec;19(4):327-31.
24. Effects of probiotics on gut microbiota: mechanisms of intestinal immunomodulation and neuromodulation, Peera Hemarajata et al, Therap Adv Gastroenterol. 2013 Jan; 6(1): 39–51.
25. Circadian Disorganization Alters Intestinal Microbiota, Robin M. Voigt,¹ et al, PLoS One. 2014; 9(5): e97500.
26. Effects of diurnal variation of gut microbes and high-fat feeding on host circadian clock function and metabolism. Leone V1, et al, Cell Host Microbe. 2015 May 13;17(5):681-9.
27. Melatonin regulation as a possible mechanism for probiotic (VSL#3) in irritable bowel syndrome: a randomized double-blinded placebo study, Wong RK1 et al, Dig Dis Sci. 2015 Jan;60(1):186-94.
28. Relationship between gastro-intestinal complaints and endotoxaemia, cytokine release and the acute-phase reaction during and after a long-distance triathlon in highly trained men, A. E. Jeukendrup et al, Clinical Science (2000) 98, 47–55 (Printed in Great Britain)
29. Cortisol responses to mental stress, exercise, and meals following caffeine intake in men and women, William R. Lovallo, Pharmacol Biochem Behav. 2006 Mar; 83(3): 441–447.

30. Stress may add bite to appetite in women: a laboratory study of stress-induced cortisol and eating behavior, Elissa Epel et al, Psychoneuroendocrinology, January 2001, Volume 26, Issue 1, Pages 37–49
31. Changes in heart rate, noradrenaline, cortisol and mood during Tai Chi, Putai Jin, Journal of Psychosomatic Research, Volume 33, Issue 2, 1989, Pages 197–206
32. Cortisol and antidepressant effects of yoga, J. Thirthalli, Indian J Psychiatry. 2013 Jul; 55(Suppl 3): S405–S408
33. Tai Chi on psychological well-being: systematic review and meta-analysis, Chenchen Wang, BMC Complement Altern Med. 2010; 10: 23.
34. Exercise as a Treatment to Enhance Sleep, Matthew P. Buman, PhD, American Journal Of Lifestyle Medicine November 2010 vol. 4 no. 6 500-514
35. Impaired sense of smell and altered olfactory system in RAG-1–/– immunodeficient mice, Lorenza Rattazzi,1 et al, Front Neurosci. 2015; 9: 318.
36. The effect of herbs and their associated essential oils on performance, dietary digestibility and gut microflora in chickens from 7 to 28 days of age. Cross DE1 et al, Br Poult Sci. 2007 Aug;48(4):496-506.
37. Study on total polyphenols and reducing power of aqueous extracts from selected Lamiaceae species. Journal of Agroalimentary Processes and Technologies. 2009,15 (4), 521-524.
http://journal-of-agroalimentary.ro/admin/articole/91369L8_Maria_Cioroi_Vol.4_521-524.pdf
38. Identification of the 100 richest dietary sources of polyphenols: an application of the Phenol-Explorer database. European Journal of Clinical Nutrition. November 2010; 64:S112-S120.
doi:10.1038/ejcn.2010.221
39. Essential oils, phenolics, and antioxidant activities of different parts of cumin (*Cuminum cyminum* L.). J Agric Food Chem. 2010 Oct 13;58(19):10410-8. doi: 10.1021/jf102248j.
40. Antioxidant Activity of Essential Oil and Extracts of *Valeriana jatamansi* Roots. BioMed Research International. 2014 (2014). <http://dx.doi.org/10.1155/2014/614187>
41. Content of essential oil, terpenoids and polyphenols in commercial chamomile (*Chamomilla recutita* L. Rauschert) teas from different countries. DOI: 10.1016/j.foodchem.2011.09.042
42. Polyphenols: food sources and bioavailability. Am J Clin Nutr May 2004. 79(5): 727-747.
<http://ajcn.nutrition.org/content/79/5/727.full>
43. Bioavailability of the Polyphenols: Status and Controversies. Int J Mol Sci. 2010; 11(4): 1321–1342. Published online Mar 31, 2010. doi: 10.3390/ijms11041321
44. Encapsulation of Natural Polyphenolic Compounds; a Review. Pharmaceutics. Dec 2011; 3(4): 793–829. Published online Nov 4, 2011. doi: 10.3390/pharmaceutics3040793

45. Enteric-coated peppermint-oil capsules in the treatment of irritable bowel syndrome: a prospective, randomized trial. Liu JH¹ et al, *J Gastroenterol*. 1997 Dec;32(6):765-8.
46. Benefits of polyphenols on gut microbiota and implications in human health, Fernando Cardona et al, *Journal of Nutritional Biochemistry*, August 2013 Volume 24, Issue 8, Pages 1415–1422
47. Essential oils used in aromatherapy: A systemic review, Babar Ali¹ et al, *Asian Pacific Journal of Tropical Biomedicine*, Volume 5, Issue 8, August 2015, Pages 601–611
48. Nutritional Influences on Estrogen Metabolism, *Applied Nutritional Science Reports*, Copyright © 2001 by Advanced Nutrition Publications, Inc.
49. The gut as a potential trigger of exercise-induced inflammatory responses, John C Marshall, *Canadian Journal of Physiology and Pharmacology*, 1998, 76(5): 479-484, 10.1139/y98-049
50. Early life exercise may promote lasting brain and metabolic health through gut bacterial metabolites. Agnieszka Mika, Monika Fleshner. *Immunology and Cell Biology*,
51. Cortisol abnormality as a cause of elevated estrogen and immune destabilization: insights for human medicine from a veterinary perspective. Plechner AJ¹, *Med Hypotheses*. 2004;62(4):575-81
52. Effects of estrogen versus estrogen and progesterone on cortisol and interleukin-6, Kate M. Edwards and Paul J. Mills, *Maturitas*. 2008 Dec 20; 61(4): 330–333.
53. Associations of the Fecal Microbiome With Urinary Estrogens and Estrogen Metabolites in Postmenopausal Women. *The Journal of Clinical Endocrinology & Metabolism*, 2014 DOI: 10.1210/jc.2014-2222
54. Sex hormones in the modulation of irritable bowel syndrome, Agata Mulak, Yvette Taché, and Muriel Larauche, *World J Gastroenterol*. 2014 Mar 14; 20(10): 2433–2448.
55. Soy food intake after diagnosis of breast cancer and survival: an in-depth analysis of combined evidence from cohort studies of US and Chinese women^{1,2,3} Sarah J Nechuta et al, *Am J Clin Nutr*. 2012 Jul; 96(1): 123–132.
56. Gut bacterial metabolism of the soy isoflavone daidzein: exploring the relevance to human health., Atkinson C¹ et al, *Exp Biol Med* (Maywood). 2005 Mar;230(3):155-70.
57. Bioactivation of Phytoestrogens: Intestinal Bacteria and Health. Landete JM¹ et al, *Crit Rev Food Sci Nutr*. 2015 Apr 7:0.
58. Probiotics for rectal volume variation during radiation therapy for prostate cancer. Ki Y¹ et al, *Int J Radiat Oncol Biol Phys*. 2013 Nov 15;87(4):646-50.
59. Prebiotics: a potential treatment strategy for the chemotherapy-damaged gut? Wang H¹, Geier MS, Howarth GS. *Crit Rev Food Sci Nutr*. 2014 Aug 27. [Epub ahead of print]
60. Studies on the Protective Effects of *Boerhaavia diffusa* L. Against Gamma Radiation—Induced Damage in Mice, K.A. Manu, MSc et al, *Integr Cancer Ther* December 2007 vol. 6 no. 4 381-388

61. Lactobacillus probiotic protects intestinal epithelium from radiation injury in a TLR-2/cyclooxygenase-2-dependent manner, Matthew A Ciorba et al, Gut doi:10.1136/gutjnl-2011-300367
62. Probiotic Therapy in Radiation-Induced Intestinal Injury and Repair, Matthew A. Ciorba et al, Ann N Y Acad Sci. 2009 May; 1165: 190–194
63. Synergistic impact of Lactobacillus fermentum, Lactobacillus plantarum and vincristine on 1,2-dimethylhydrazine-induced colorectal carcinogenesis in mice, Asha And Devaraja Gayathri, Exp Ther Med. 2012 Jun; 3(6): 1049–1054.
64. Use of Probiotics in the Management of Chemotherapy-Induced Diarrhea: A Case Study Samia Abd El-Atti, RPh, PhD, BCNSP1 et al, JPEN Parenter Enteral Nutr SEPTEMBER-OCTOBER 2009 vol. 33 no. 5 569-570
65. VSL#3 probiotic treatment reduces chemotherapy-induced diarrhea and weight loss., Bowen JM1 et al, Cancer Biol Ther. 2007 Sep;6(9):1449-54. Epub 2007 Jun 23.
66. Pickled Food and Risk of Gastric Cancer—a Systematic Review and Meta-analysis of English and Chinese Literature, Jian-Song Ren et al, Cancer Epidemiol Biomarkers Prev June 2012 21; 905
67. Effect of Changing Intestinal Bacterial Flora on Thyroid Function in the Rat, R. L. Vought et al, Horm Metab Res 1972; 4(1): 43-47
68. Microbial pathways in colonic sulfur metabolism and links with health and disease, Franck Carbonero et al, Front Physiol. 2012; 3: 448
69. Thyroid hormone and the gut. Hays MT1, Endocr Res. 1988;14(2-3):203-24.
70. Interleukin-1 receptor blockade does not affect endotoxin-induced changes in plasma thyroid hormone and thyrotropin concentrations in man. van der Poll T1 et al, J Clin Endocrinol Metab. 1995 Apr;80(4):1341-6.
71. Hydrogen Sulfide Signaling in the Gastrointestinal Tract, David R. Linden, Antioxid Redox Signal. 2014 Feb 10; 20(5): 818–830
72. Stockigt, JR and Baverman LE. Update on the Sick Euthyroid Syndrome. Diseases of the Thyroid. Humana Press, Totowa, NJ, 1997, pp.49-68
73. Neuroendocrinology and pathophysiology of the stress system, Stratakis CA1, Chrousos GP., Ann N Y Acad Sci. 1995 Dec 29;771:1-18.
74. Beneficial Bacteria Stimulate Youthful Thyroid Gland Activity, Bernard J Varian1 et al, J Obes Weight Loss Ther 4:220.
75. Alleviation of cyclic heat stress in broilers by dietary supplementation of mannan-oligosaccharide and Lactobacillus-based probiotic: Dynamics of cortisol, thyroid hormones, cholesterol, C-reactive protein, and humoral immunity, M. U. Sohail et al, Poult Sci (2010) 89 (9): 1934-1938

