# Notes

#### INTRODUCTION

- 1. T. R. Insel, "Disruptive Insights in Psychiatry: Transforming a Clinical Discipline," *Journal of Clinical Investigation* 119, no. 4 (2009): 700–705, doi: 10.1172/JCI38832.
- 2. M. F. Hoyt and M. Talmon, eds., *Capturing the Moment: Single Session Therapy and Walk-In Services* (New York: Crown House Publishing, 2014).
- A. Akgul et al., "The Beneficial Effect of Hypnosis in Elective Cardiac Surgery: A Preliminary Study," *Thoracic and Cardiovascular Surgeon* 64, no. 7 (2016): 581–88, doi: 10.1055/s-0036-1580623.
- R. Perkins and G. Scarlett, "The Effectiveness of Single Session Therapy in Child and Adolescent Mental Health. Part 2: An 18-Month Follow-Up Study," *Psychology and Psychotherapy* 81, part 2 (June 2008): 143–56, doi: 10.1348/147608308X280995.
- 5. BJ Fogg, "Tiny Habits Method," http://tinyhabits.com/, accessed April 23, 2018.
- 6. C. A. Raji et al., "Brain Structure and Obesity," *Human Brain Mapping* 31, no. 3 (March 2010): 353–64, doi: 10.1002/hbm.20870.
- 7. Fogg, "Tiny Habits Method."

#### **CHAPTER 1: USE YOUR BRAIN TO RESCUE YOUR MIND AND BODY**

- 1. R. Sapolsky, *Why Zebras Don't Get Ulcers*, 3rd ed. (New York: Holt Paperbacks), 2004.
- H. Jiang et al., "Brain Activity and Functional Connectivity Associated with Hypnosis," Cerebral Cortex 27, no. 8 (August 1, 2017): 4083–93, doi: 10.1093/cercor/bhw220.
- T. Tsitsi et al., "Effectiveness of a Relaxation Intervention (Progressive Muscle Relaxation and Guided Imagery Techniques) to Reduce Anxiety and Improve Mood of Parents of Hospitalized Children with Malignancies: A Randomized Controlled Trial in Republic of Cyprus and Greece," *European Journal of Oncology Nursing* 26 (February 2017): 9–18, doi: 10.1016/j.ejon.2016.10.007.
- A. Charalambous et al., "Guided Imagery and Progressive Muscle Relaxation as a Cluster of Symptoms Management Intervention in Patients Receiving Chemotherapy: A Randomized Control Trial," *PLoS One* 11, no. 6 (June 24, 2016): e0156911, doi: 10.1371 /journal.pone.0156911.
- 5. P. G. Nascimento Novais et al., "The Effects of Progressive Muscular Relaxation as a Nursing Procedure Used for Those Who Suffer from Stress Due to Multiple Sclerosis," *Revista Latino-Americana de Enfermagem* 24 (September 1, 2016): e2789, doi: 10.1590/1518-8345.1257.2789.

- L. de Lorent et al., "Auricular Acupuncture versus Progressive Muscle Relaxation in Patients with Anxiety Disorders or Major Depressive Disorder: A Prospective Parallel Group Clinical Trial," *Journal of Acupuncture and Meridian Studies* 9, no. 4 (August 2016): 191–9, doi: 10.1016/j.jams.2016.03.008.
- 7. B. Meyer et al., "Progressive Muscle Relaxation Reduces Migraine Frequency and Normalizes Amplitudes of Contingent Negative Variation (CNV)," *Journal of Headache and Pain* 17, no. 1 (December 2016): 37, doi: 10.1186/s10194-016-0630-0.
- A. B. Wallbaum et al., "Progressive Muscle Relaxation and Restricted Environmental Stimulation Therapy for Chronic Tension Headache: A Pilot Study," *International Journal* of Psychosomatics 38, nos. 1–4 (February 1991): 33–39.
- T. Limsanon and R. Kalayasiri, "Preliminary Effects of Progressive Muscle Relaxation on Cigarette Craving and Withdrawal Symptoms in Experienced Smokers in Acute Cigarette Abstinence: A Randomized Controlled Trial," *Behavior Therapy*, 46, no. 2 (November 2014): 166–76, doi: 10.1016/j.beth.2014.10.002.
- K. Golding et al., "Self-Help Relaxation for Post-Stroke Anxiety: A Randomised, Controlled Pilot Study," *Clinical Rehabilitation* 30, no. 2 (February 2016): 174–80, doi: 10.1177/0269215515575746.
- S. Brunelli et al., "Efficacy of Progressive Muscle Relaxation, Mental Imagery, and Phantom Exercise Training on Phantom Limb: A Randomized Controlled Trial," Archives of Physical Medicine and Rehabilitation 96, no. 2 (February 2015): 181–87, doi: 10.1016/j .apmr.2014.09.035.
- A. Hassanpour Dehkordi and A. Jalali, "Effect of Progressive Muscle Relaxation on the Fatigue and Quality of Life Among Iranian Aging Persons," *Acta Medica Iranica* 54, no. 7 (July 2016): 430–36; M. Shahriari et al., "Effects of Progressive Muscle Relaxation, Guided Imagery and Deep Diaphragmatic Breathing on Quality of Life in Elderly with Breast or Prostate Cancer," *Journal of Education and Health Promotion* 6 (April 19, 2017): 1, doi: 10.4103/jehp.jehp\_147\_14.
- Y. K. Yildirim and C. Fadiloglu, "The Effect of Progressive Muscle Relaxation Training on Anxiety Levels and Quality of Life in Dialysis Patients," *EDTNA/ERCA Journal* 32, no. 2 (April–June 2006): 86–88.
- A. K. Johnson et al., "Hypnotic Relaxation Therapy and Sexual Function in Postmenopausal Women: Results of a Randomized Clinical Trial," *International Journal of Clinical and Experimental Hypnosis* 64, no. 2 (2016): 213–24, doi: 10.1080/00207144.2016.1131590.
- X. Ma et al., "The Effect of Diaphragmatic Breathing on Attention, Negative Affect and Stress in Healthy Adults," *Frontiers in Psychology* 8 (June 6, 2017): 874, doi: 10.3389/fpsyg .2017.00874; Y. F. Chen et al., "The Effectiveness of Diaphragmatic Breathing Relaxation Training for Reducing Anxiety," *Perspectives in Psychiatric Care* 53, no. 4 (October 2017): 329–36, doi: 10.1111/ppc.12184.
- R. P. Brown and P. L. Gerbarg, "Sudarshan Kriya Yogic Breathing in the Treatment of Stress, Anxiety, and Depression. Part II—Clinical Applications and Guidelines," Journal of Alternative and Complementary Medicine 11, no. 4 (August 2005): 711–17.
- L. C. Chiang et al., "Effect of Relaxation-Breathing Training on Anxiety and Asthma Signs/Symptoms of Children with Moderate-to-Severe Asthma: A Randomized Controlled Trial," *International Journal of Nursing Studies* 46, no. 8 (August 2009): 1061–70, doi: 10.1016/j.ijnurstu.2009.01.013.
- S. Stavrou et al., "The Effectiveness of a Stress-Management Intervention Program in the Management of Overweight and Obesity in Childhood and Adolescence," *Journal of Molecular Biochemistry* 5, no. 2 (2016): 63–70.
- 19. T. D. Metikaridis et al., "Effect of a Stress Management Program on Subjects with Neck Pain: A Pilot Randomized Controlled Trial," *Journal of Back and Musculoskeletal Rehabilitation* (May 20, 2016).
- 20. J. B. Ferreira et al., "Inspiratory Muscle Training Reduces Blood Pressure and Sympathetic Activity in Hypertensive Patients: A Randomized Controlled Trial,"

*International Journal of Cardiology* 166, no. 1 (June 5, 2013): 61–67, doi: 10.1016/j .ijcard.2011.09.069.

- S. E. Stromberg et al., "Diaphragmatic Breathing and Its Effectiveness for the Management of Motion Sickness," *Aerospace Medicine and Human Performance* 86, no. 5 (May 2015): 452–57, doi: 10.3357/AMHP.4152.2015.
- 22. R. Fried et al., "Effect of Diaphragmatic Respiration with End-Tidal CO2 Biofeedback on Respiration, EEG, and Seizure Frequency in Idiopathic Epilepsy," *Annals of the New York Academy of Sciences* 602 (February 1990): 67–96.
- 23. P. R. Mello et al., "Inspiratory Muscle Training Reduces Sympathetic Nervous Activity and Improves Inspiratory Muscle Weakness and Quality of Life in Patients with Chronic Heart Failure: A Clinical Trial," *Journal of Cardiopulmonary Rehabilitation and Prevention* 32, no. 5 (September-October 2012): 255–61, doi: 10.1097/HCR.0b013e31825828da.
- L. S. Wenck et al., "Evaluating the Efficacy of a Biofeedback Intervention to Reduce Children's Anxiety," *Journal of Clinical Psychology* 52, no. 4 (July 1996): 469–73; R. C. Hawkins et al., "Anxiety Reduction in Hospitalized Schizophrenics through Thermal Biofeedback and Relaxation Training," *Perceptual and Motor Skills* 51, no. 2 (October 1980): 475–82.
- L. Scharff et al., "A Controlled Study of Minimal-Contact Thermal Biofeedback Treatment in Children with Migraine," *Journal of Pediatric Psychology* 27, no. 2 (March 2002): 109–19.
- J. Gauthier et al., "The Role of Home Practice in the Thermal Biofeedback Treatment of Migraine Headache," *Journal of Consulting and Clinical Psychology* 62, no. 1 (February 1994): 180–4.
- A. Musso et al., "Evaluation of Thermal Biofeedback Treatment of Hypertension Using 24-Hr Ambulatory Blood Pressure Monitoring," *Behaviour Research and Therapy* 29, no. 5 (1991): 469–78; E. B. Blanchard et al., "The USA-USSR Collaborative Cross-Cultural Comparison of Autogenic Training and Thermal Biofeedback in the Treatment of Mild Hypertension," *Health Psychology* 7 Supplement (February 1988): 175–92.
- S. P. Schwarz et al., "Behaviorally Treated Irritable Bowel Syndrome Patients: A Four-Year Follow-Up," *Behaviour Research and Therapy* 28, no. 4 (1990): 331–35.
- L. E. Williams and J. A. Bargh, "Experiencing Physical Warmth Promotes Interpersonal Warmth," Science 322, no. 5901 (October 24, 2008): 606–7, doi: 10.1126/science.1162548.
- C. Wilbert, "Warm Hands, Warm Heart?" WebMD website, October 23, 2008, https://www.webmd.com/balance/news/20081023/warm-hands-warm-heart.
- 31. C. A. Lengacher et al., "Immune Responses to Guided Imagery During Breast Cancer Treatment," *Biological Research for Nursing* 9, no. 3 (January 2008): 205–14, doi:10.1177/1099800407309374; C. Maack and P. Nolan, "The Effects of Guided Imagery and Music Therapy on Reported Change in Normal Adults," *Journal of Music Therapy* 36, no. 1 (March 1, 1999): 39–55; Y. Y. Tang et al., "Improving Executive Function and Its Neurobiological Mechanisms through a Mindfulness-Based Intervention: Advances within the Field of Developmental Neuroscience," *Child Development Perspectives* 6, no. 4 (December 2012): 361–66, doi: 10.1111/j.1750-8606.2012.00250.x.
- X. Zeng et al., "The Effect of Loving-Kindness Meditation on Positive Emotions: A Meta-Analytic Review," *Frontiers in Psychology* 6 (November 3, 2015): 1693, doi: 10.3389/fpsyg .2015.01693; B. L. Fredrickson et al., "Open Hearts Build Lives: Positive Emotions, Induced through Loving-Kindness Meditation, Build Consequential Personal Resources," *Journal of Personality and Social Psychology* 95, no. 5 (November 2008): 1045–62, doi: 10.1037/a0013262.
- J. W. Carson et al., "Loving-Kindness Meditation for Chronic Low Back Pain: Results from a Pilot Trial," *Journal of Holistic Nursing* 23, no. 3 (September 2005): 287–304.
- M. E. Tonelli and A. B. Wachholtz, "Meditation-Based Treatment Yielding Immediate Relief for Meditation-Naïve Migraineurs," *Pain Management Nursing* 15, no. 1 (March 2014): 36–40, doi: 10.1016/j.pmn.2012.04.002.

- 35. D. J. Kearney et al., "Loving-Kindness Meditation for Posttraumatic Stress Disorder: A Pilot Study," *Journal of Traumatic Stress* 26, no. 4 (August 2013): 426–34, doi: 10.1002 /jts.21832.
- A. J. Stell and T. Farsides, "Brief Loving-Kindness Meditation Reduces Racial Bias, Mediated by Positive Other-Regarding Emotions," *Motivation and Emotion* 40, no. 1 (February 2016): 140–47, doi: 10.1007/s11031-015-9514-x.
- M. K. Leung et al., "Increased Gray Matter Volume in the Right Angular and Posterior Parahippocampal Gyri in Loving-Kindness Meditators," *Social Cognitive and Affective Neuroscience* 8, no. 1 (January 2013): 34–39, doi: 10.1093/scan/nss076.
- B. E. Kok et al., "How Positive Emotions Build Physical Health: Perceived Positive Social Connections Account for the Upward Spiral between Positive Emotions and Vagal Tone," *Psychological Science* 24, no. 7 (July 1, 2013): 1123–32, doi: 10.1177/0956797612470827.
- 39. R. J. Zatorre and I. Peretz, eds., *The Biological Foundations of Music* (New York: New York Academy of Sciences, 2001).
- 40. T. Schäfer et al., "The Psychological Functions of Music Listening," *Frontiers in Psychology* 4 (2013): 511.
- 41. J. Lieff, "Music Stimulates Emotions Through Specific Brain Circuits," Searching for the Mind (blog), March 2, 2014, http://jonlieffmd.com/blog/music-stimulates-emotions -through-specific-brain-circuits, as cited in B. Goldstein, The Secret Language of the Heart (San Antonio, TX: Hierophant Publishing, 2016), 29.
- 42. C. Grape et al., "Does Singing Promote Well-Being?: An Empirical Study of Professional and Amateur Singers During a Singing Lesson," *Integrative Physiological and Behavioral Science* 38, no. 1 (January–March 2003): 65–74, as cited in Goldstein, *The Secret Language of the Heart, 29*.
- 43. B. Goldstein, *The Secret Language of the Heart* (San Antonio, TX: Hierophant Publishing, 2016), 31.
- R. H. Huang and Y. N. Shih, "Effects of Background Music on Concentration of Workers," Work 38, no. 4 (2011): 383–87, doi: 10.3233/WOR-2011-1141.
- M. Hausmann et al., "Music-Induced Changes in Functional Cerebral Asymmetries," Brain and Cognition 104 (April 2016): 58–71, doi: 10.1016/j.bandc.2016.03.001.
- Y. Ferguson and K. Sheldon, "Trying to Be Happier Really Can Work: Two Experimental Studies," *Journal of Positive Psychology* 8, no. 1 (January 2013): 23–33, doi: 10.1080/17439760.2012.747000.
- E. Brattico et al., "A Functional MRI Study of Happy and Sad Emotions in Music with and without Lyrics," *Frontiers in Psychology* 2 (December 1, 2011): 308, doi: 10.3389/fpsyg .2011.00308.
- R. Gillett, "The Best Music to Listen to for Optimal Productivity, According to Science," *Business Insider Australia*, July 25, 2015, https://www.businessinsider.com. au/the-best-music-for-productivity-2015-7.
- A. G. DeLoach et al., "Tuning the Cognitive Environment: Sound Masking with 'Natural' Sounds in Open-Plan Offices," *Journal of the Acoustical Society of America* 137, no. 4 (April 2015): 2291, doi: 10.1121/1.4920363.
- L. Lepron, "The Songs Scientifically Proven to Make Us Feel Good," Konbini (website), http://www.konbini.com/us/ entertainment/songs-scientifically-proven-make-us-feel-good/.
- Y. H. Li et al., "Massage Therapy for Fibromyalgia: A Systematic Review and Meta-Analysis of Randomized Controlled Trials," *PLoS One* 9, no. 2 (February 20, 2014): e89304, doi: 10.1371/journal.pone.0089304.
- J. S. Kutner et al., "Massage Therapy vs. Simple Touch to Improve Pain and Mood in Patients with Advanced Cancer: A Randomized Trial," *Annals of Internal Medicine* 149, no. 6 (September 16, 2008): 369–79; S. H. Lee et al., "Meta-Analysis of Massage Therapy on Cancer Pain," *Integrative Cancer Therapies* 14, no. 4 (July 2015): 297–304, doi: 10.1177/1534735415572885.

- S. Babaee et al., "Effectiveness of Massage Therapy on the Mood of Patients after Open-Heart Surgery," *Iranian Journal of Nursing and Midwifery Research* 17, no. 2, supplement 1 (February 2012): S120–S124.
- S. Khilnani et al., "Massage Therapy Improves Mood and Behavior of Students with Attention-Deficit/Hyperactivity Disorder," *Adolescence* 38, no. 152 (Winter 2003): 623–38.
- 55. F. Bazarganipour et al., "The Effect of Applying Pressure to the LIV3 and LI4 on the Symptoms of Premenstrual Syndrome: A Randomized Clinical Trial," *Complementary Therapies in Medicine* 31 (April 2017): 65–70, doi: 10.1016/j.ctim.2017.02.003.
- 56. Z. J. Zhang et al., "The Effectiveness and Safety of Acupuncture Therapy in Depressive Disorders: Systematic Review and Meta-Analysis," *Journal of Affective Disorders* 124, nos. 1–2 (July 2010): 9–21, doi: 10.1016/j.jad.2009.07.005; P. Bosch et al., "The Effect of Acupuncture on Mood and Working Memory in Patients with Depression and Schizophrenia," *Journal of Integrative Medicine* 13, no. 6 (November 2015): 380–90, doi: 10.1016/S2095-4964(15)60204-7.
- L. de Lorent et al., "Auricular Acupuncture versus Progressive Muscle Relaxation in Patients with Anxiety Disorders or Major Depressive Disorder: A Prospective Parallel Group Clinical Trial," *Journal of Acupuncture and Meridian Studies* 9, no. 4 (August 2016): 191–99, doi: 10.1016/j.jams.2016.03.008
- A. Xiang et al., "The Immediate Analgesic Effect of Acupuncture for Pain: A Systematic Review and Meta-Analysis," *Evidence-Based Complementary and Alternative Medicine* 3 (2017): 1–13, doi: 10.1155/2017/3837194.
- C. W. Janssen et al., "Whole-Body Hyperthermia for the Treatment of Major Depressive Disorder: A Randomized Clinical Trial," *JAMA Psychiatry* 73, no. 8 (August 1, 2016): 789–95, doi: 10.1001/jamapsychiatry.2016.1031.
- 60. M. Lugavere, "6 Powerful Ways Saunas Can Boost Your Brain," Max Lugavere, https://www.maxlugavere.com/blog/5-incredible-things-that-happen-when-you-sit -in-a-sauna.
- 61. T. Laukkanen et al., "Sauna Bathing Is Inversely Associated with Dementia and Alzheimer's Disease in Middle-Aged Finnish Men," *Age and Ageing* 46, no. 2 (March 1, 2017): 245–49, doi: 10.1093/ageing/afw212.
- 62. S. Kasper et al., "Lavender Oil Preparation Silexan Is Effective in Generalized Anxiety Disorder—a Randomized, Double-Blind Comparison to Placebo and Paroxetine," *International Journal of Neuropsychopharmacology* 17, no. 6 (June 2014): 859–69, doi: 10 .1017/S1461145714000017.
- P. H. Koulivand et al., "Lavender and the Nervous System," Evidence-Based Complementary and Alternative Medicine 2013 (2013): 681304, doi: 10.1155/2013/681304.
- 64. S. Kasper et al., "Efficacy of Orally Administered Silexan in Patients with Anxiety-Related Restlessness and Disturbed Sleep—A Randomized, Placebo-Controlled Trial," *European Neuropsychopharmacology* 25, no. 11 (November 2015): 1960–67, doi: 10.1016/j .euroneuro.2015.07.024.
- 65. P. Sasannejad et al., "Lavender Essential Oil in the Treatment of Migraine Headache: A Placebo-Controlled Clinical Trial," *European Neurology* 67, no. 5 (2012): 288–91, doi: 10.1159/000335249.
- 66. M. Kheirkhah et al., "Comparing the Effects of Aromatherapy with Rose Oils and Warm Foot Bath on Anxiety in the First Stage of Labor in Nulliparous Women," *Iranian Red Crescent Medical Journal* 16, no. 9 (August 17, 2014): e14455, doi: 10.5812/ircmj.14455; T. Hongratanaworakit, "Relaxing Effect of Rose Oil on Humans," *Natural Product Communications* 4, no. 2 (February 2009): 291–96.
- 67. J. D. Amsterdam et al., "Chamomile (Matricaria recutita) May Provide Antidepressant Activity in Anxious, Depressed Humans: An Exploratory Study," *Alternative Therapies in Health and Medicine* 18, no. 5 (September–October 2012: 44–49.
- C. Maller et al., "Healthy Nature Healthy People: 'Contact with Nature' as an Upstream Health Promotion Intervention for Populations," *Health Promotion International* 21, no. 1 (March 2006): 45–54.

- P. Lambrou, "Fun with Fractals? Why Nature Can Be Calming," *Psychology Today* website, September 7, 2012, https://www.psychologytoday.com/blog/codes-joy/201209 /fun-fractals.
- 70. C. J. Beukeboom et al., "Stress-Reducing Effects of Real and Artificial Nature in a Hospital Waiting Room," *Journal of Alternative and Complementary Medicine* 18, no. 4 (April 2012): 329–33, doi: 10.1089/acm.2011.0488.
- H. Williams, "9 Ways to Improve Your Mood with Food: Herbs and Spices," AllWomensTalk (website), http://health.allwomenstalk. com/ways-to-improve-your-mood-with-food/4.

# **CHAPTER 2: THE MISSING STRATEGY**

- J. Cepelewisz, "A Single Concussion May Triple the Long-Term Risk of Suicide," Scientific American (website), February 8, 2016, https://www.scientificamerican. com/article/a-single-concussion-may-triple-the-long-term-risk-ofsuicide1/?utm\_content=bufferb98ff&utm\_medium=social&utm\_source=linkedin. com&utm\_campaign=buffer.
- 2. R. Douglas Fields, "Link between Adolescent Pot Smoking and Psychosis Strengthens," *Scientific American* (website), October 20, 2017, https://www.scientificamerican.com /article/link-between-adolescent-pot-smoking-and-psychosis-strengthens/.
- D. G. Amen et al., "Discriminative Properties of Hippocampal Hypoperfusion in Marijuana Users Compared to Healthy Controls: Implications for Marijuana Administration in Alzheimer's Dementia," *Journal of Alzheimer's Disease* 56, no. 1 (2017): 261–73, doi: 10.3233/JAD-160833.
- 4. M. A. Martinez et al., "Neurotransmitter Changes in Rat Brain Regions Following Glyphosate Exposure," *Environmental Research* 161 (February 2018): 212–19, doi: 10.1016 /j.envres.2017.10.051.
- T. Shakespeare and A. Whieldon, "Sing Your Heart Out: Community Singing as Part of Mental Health Recovery," *Medical Humanities* online, November 25, 2017, doi: 10.1136 /medhum-2017-011195.
- K. Rehfeld et al., "Dancing or Fitness Sport? The Effects of Two Training Programs on Hippocampal Plasticity and Balance Abilities in Healthy Seniors," *Frontiers in Human Neuroscience* 11, no. 305 (June 15, 2017), doi: 10.3389/fnhum.2017.00305.
- P. G. Harch et al., "A Phase I Study of Low-Pressure Hyperbaric Oxygen Therapy for Blast-Induced Post-Concussion Syndrome and Post-Traumatic Stress Disorder," *Journal of Neurotrauma* 29, no. 1 (January 1, 2012): 168–85, doi: 10.1089/neu.2011.1895.
- 8. T. Laukkanen et al., "Sauna Bathing Is Inversely Associated with Dementia and Alzheimer's Disease in Middle-Aged Finnish Men," 245–49.
- K. C. Smolders et al., "A Higher Illuminance Induces Alertness Even during Office Hours: Findings on Subjective Measures, Task Performance and Heart Rate Measures," *Physiology and Behavior* 107, no. 1 (August 20, 2012): 7–16, doi: 10.1016/j.physbeh .2012.04.028.
- R. A. Dienstbier, "The Impact of Humor on Energy, Tension, Task Choices, and Attributions: Exploring Hypotheses from Toughness Theory," *Motivation and Emotion* 19, no. 4 (1995): 255–67, http://digitalcommons.unl.edu/psychfacpub/111/.
- 11. A. P. Allen and A. P. Smith, "Effects of Chewing Gum and Time-on-Task on Alertness and Attention," *Nutritional Neuroscience* 15, no. 4 (July 2012): 176–85, doi: 10.1179/1476830512Y.000000009; C. Lee, "How Chewing Gum Can Boost Your Brain Power," *Daily Mail*, April 1, 2013, http://www.dailymail.co.uk/health/article-2302615 /How-chewing-gum-boost-brain-power.html.

# **CHAPTER 3: CONTROL YOURSELF**

1. H. S. Friedman and L. R. Martin, *The Longevity Project (New York: Hudson Street Press, 2011).* 

- P. Veliz et al., "Prevalence of Concussion Among US Adolescents and Correlated Factors," JAMA 318, no. 12 (September 26, 2017): 1180–82, doi: 10.1001/jama.2017.9087.
- 3. W. Mischel et al., "Willpower' over the Lifespan: Decomposing Self-Regulation," *Social Cognitive and Affective Neuroscience* 6, no. 2 (April 2011): 252–56, doi: 10.1093/scan/nsq081.
- 4. J. Jaekel et al., "Preterm Toddlers' Inhibitory Control Abilities Predict Attention Regulation and Academic Achievement at Age 8 Years," *Journal of Pediatrics* 169 (February 2016): 87–92, doi: 10.1016/j.jpeds.2015.10.029.
- 5. Mischel et al., "'Willpower' over the Lifespan," 252–56.
- J. Skorka-Brown et al., "Playing Tetris Decreases Drug and Other Cravings in Real World Settings," *Addictive Behaviors* 51 (December 2015): 165–70, doi: 10.1016/j.addbeh .2015.07.020.
- 7. Jonathan Becher, "6 Quotes to Help You Understand Why It's Important to Say No," Forbes BrandVoice, August 12, 2015, https://www.forbes.com/sites/sap/2015/08/12 /quotes-on-saying-no/#19dda7fc5555.
- C. Gallo, "Steve Jobs: Get Rid of the Crappy Stuff," Forbes website, May 16, 2011, https://www.forbes.com/sites/carminegallo/2011/05/16/steve-jobs-get-rid-of-the -crappy-stuff/#25b6fb271452.
- "Kaiser Permanente Study Finds Keeping a Food Diary Doubles Diet Weight Loss," Kaiser Permanente website, July 8, 2008, https://share.kaiserpermanente.org/article /kaiser-permanente-study-finds-keeping-a-food-diary-doubles-weight-loss/; "Keeping a Food Diary Doubles Diet Weight Loss, Study Suggests," *ScienceDaily*, July 8, 2008, https://www.sciencedaily.com/releases/2008/07/080708080738.htm.
- M. A. Scult et al., "Prefrontal Executive Control Rescues Risk for Anxiety Associated with High Threat and Low Reward Brain Function," *Cerebral Cortex* (November 17, 2017): doi: 10.1093/cercor/bhx304.

#### CHAPTER 4: CHANGE IS EASY—IF YOU KNOW HOW TO DO IT

- Oxford Living Dictionaries online, s.v. "rut," accessed March 19, 2018, https://en .oxforddictionaries.com/definition/rut.
- 2. E. A. Evers et al., "Serotonin and Cognitive Flexibility: Neuroimaging Studies into the Effect of Acute Tryptophan Depletion in Healthy Volunteers," *Current Medicinal Chemistry* 14, no. 28 (2007): 2989–95.
- R. L. Aupperle and M. P. Paulus, "Neural Systems Underlying Approach and Avoidance in Anxiety Disorders," *Dialogues in Clinical Neuroscience* 12, no. 4 (December 2010): 517–31.
- M. J. Kim et al., "Intolerance of Uncertainty Predicts Increased Striatal Volume," Emotion 17, no. 6 (September 2017): 895–99, doi: 10.1037/emo0000331.
- 5. Aupperle and Paulus, "Neural Systems Underlying Approach and Avoidance in Anxiety Disorders," 517–31.
- 6. E. A. Evers et al., "Serotonin and Cognitive Flexibility: Neuroimaging Studies into the Effect of Acute Tryptophan Depletion in Healthy Volunteers," *Current Medicinal Chemistry* 14, no. 28 (2007): 2989–95.
- 7. S. N. Young, "How to Increase Serotonin in the Human Brain without Drugs," *Journal of Psychiatry and Neuroscience* 32, no. 6 (November 2007): 394–99.
- 8. P. Salmon, "Effects of Physical Exercise on Anxiety, Depression, and Sensitivity to Stress: A Unifying Theory," *Clinical Psychology Review* 21, no. 1 (February 2001): 33–61.
- 9. M. aan het Rot et al., "Bright Light Exposure During Acute Tryptophan Depletion Prevents a Lowering of Mood in Mildly Seasonal Women," *European Neuropsychopharmacology* 18, no. 1 (January 2008): 14-23, doi: 10.1016/j.euroneuro.2007.05.003.
- K. Choi and H. J. Suk, "Dynamic Lighting System for the Learning Environment: Performance of Elementary Students," Optics Express 24, no. 10 (May 16, 2016): A907–A916, doi: 10.1364/0E.24.00A907; H. Slama et al., "Afternoon Nap and Bright Light Exposure Improve Cognitive Flexibility Post Lunch," *PLoS One* 10, no. 5 (May 27, 2015): e0125359, doi: 10.1371/journal.pone.0125359.

- 11. D. L. Walcutt, "Chocolate and Mood Disorders," World of Psychology (blog), Psych Central website, accessed March 19, 2018, http://psychcentral.com/blog/archives/2009/04 /27/chocolate-and-mood-disorders/; A. A. Sunni and R. Latif, "Effects of Chocolate Intake on Perceived Stress; A Controlled Clinical Study," International Journal of Health Sciences (Qassim) 8, no. 4 (October 2014): 393–401.
- A. Ghajar et al., "Crocus Sativus L. versus Citalopram in the Treatment of Major Depressive Disorder with Anxious Distress: A Double-Blind, Controlled Clinical Trial," *Pharmacopsychiatry* 50, no. 4 (July 2017): 152–60, doi: 10.1055/s-0042-116159; H. Fukui et al., "Psychological and Neuroendocrinological Effects of Odor of Saffron (Crocus sativus)," *Phytomedicine* 18, nos. 8–9 (June 15, 2011): 726–30, doi: 10.1016/j .phymed.2010.11.013.
- 13. W. Durant, The Story of Philosophy (New York: Pocket Books, 1953), 76.
- 14. Rahm Emanuel, interview with *Wall Street Journal*, November 19, 2008, https://www .youtube.com/watch?v=\_mzcbXi1Tkk.
- 15. G. I. Schweiger and P. M. Gollwitzer, "Implementation Intentions: A Look Back at Fifteen Years of Progress," *Psicothema* 19, no. 1 (February 2007): 37–42.
- P. Gollwitzer, "A Psychology Professor Reveals How to Break Bad Habits Once and for All," Fortune, January 26, 2017, http://fortune.com/2017/01/25/how-to-break-bad-habits-2/.
- A. Achtziger et al., "Implementation Intentions and Shielding Goal Striving from Unwanted Thoughts and Feelings," *Personality and Social Psychology Bulletin* 34, no. 3 (March 2008): 381–93, doi: 10.1177/0146167207311201.
- G. Stadler et al., "Physical Activity in Women: Effects of a Self-Regulation Intervention," *American Journal of Preventive Medicine* 36, no. 1 (January 2009): 29–34, doi: 10.1016/j .amepre.2008.09.021.
- G. Stadler et al., "Intervention Effects of Information and Self-Regulation on Eating Fruits and Vegetables over Two Years," *Health Psychology* 29, no. 3 (May 2010): 274–83, doi: 10.1037/a0018644.
- I. S. Gallo et al., "Strategic Automation of Emotion Regulation," *Journal of Personality and Social Psychology* 96, no. 1 (January 2009): 11–31, doi: 10.1037/a0013460.
- 21. A. Achtziger et al., "Strategies of Intention Formation Are Reflected in Continuous MEG Activity," *Social Neuroscience* 4, no. 1 (2009): 11–27, doi: 10.1080/17470910801925350.
- 22. I. Paul et al., "If-Then Planning Modulates the P300 in Children with Attention Deficit Hyperactivity Disorder," *Neuroreport* 18, no. 7 (May 7, 2007): 653–57, doi: 10.1097/WNR .0b013e3280bef966.
- P. M. Gollwitzer et al., "When Intentions Go Public: Does Social Reality Widen the Intention-Behavior Gap?" *Psychological Science* 20, no. 5 (May 2009): 612–18, doi: 10.1111/j.1467-9280.2009.02336.x.
- 24. Adapted from BJ Fogg's videos and other material on his website, www.bjfogg.com.

#### **CHAPTER 5: MASTER YOUR RATIONAL MIND**

- 1. Association for Psychological Science, "Believing the Future Will Be Favorable May Prevent Action," *ScienceDaily*, August 3, 2017, https://www.sciencedaily.com/releases /2017/08/170803145643.htm.
- 2. K. McSpadden, "You Now Have a Shorter Attention Span Than a Goldfish," *Time*, May 14, 2015, http://time.com/3858309/attention-spans-goldfish/.
- 3. J. Twenge, "What Might Explain the Unhappiness Epidemic?" The Conversation website, January 22, 2018, https://theconversation. com/what-might-explain-the-unhappiness-epidemic-90212.
- R. F. Baumeister et al., "Bad Is Stronger Than Good," *Review of General Psychology* 5, no. 4 (December 2001): 323–370, doi: 10.1037/1089-2680.5.4.323.
- J. McCoy, "New Outbrain Study Says Negative Headlines Do Better Than Positive," Business 2 Community website, March 15, 2014, https://www.business2community .com/blogging/new-outbrain-study-says-negative-headlines-better-positive-0810707.

- 6. R. Williams, "Are We Hardwired to Be Negative or Positive?" ICF website, June 30, 2014, https://coachfederation.org/are-we-hardwired-to-be-negative-or-positive/.
- 7. R. Hanson, "Confronting the Negativity Bias," *Rick Hanson* (blog), accessed March 25, 2018, http://www.rickhanson.net/how-your-brain-makes-you-easily-intimidated/.
- C. A. Lengacher et al., "Immune Responses to Guided Imagery During Breast Cancer Treatment," *Biological Research for Nursing* 9, no. 3 (January 2008): 205–214, doi:...10.1177/1099800407309374; C. Maack and P. Nolan, "The Effects of Guided Imagery and Music Therapy on Reported Change in Normal Adults," *Journal of Music Therapy* 36, no. 1 (March 1, 1999): 39–55; A. G. Walton, "7 Ways Meditation Can Actually Change the Brain," *Forbes*, February 9, 2015, https://www.forbes.com/sites/alicegwalton /2015/02/09/7-ways-meditation-can-actually-change-the-brain/#84adaf414658.
- 9. H. Selye, The Stress of Life (New York: McGraw Hill, 1978), 418.
- A. Amin, "The 31 Benefits of Gratitude You Didn't Know About: How Gratitude Can Change Your Life," *Happier Human* website, accessed March 25, 2018, http://happierhuman .com/benefits-of-gratitude/.
- 11. C. Ackerman, "The Benefits of Gratitude: 28 Questions Answered Thanks to Gratitude Research," *Positive Psychology Program* website, April 12, 2017, https://positivepsychologyprogram.com/benefits-gratitude-research-questions/.
- B. H. Brummett et al., "Prediction of All-Cause Mortality by the Minnesota Multiphasic Personality Inventory Optimism-Pessimism Scale Scores: Study of a College Sample during a 40-Year Follow-Up Period," *Mayo Clinic Proceedings* 81, no. 12 (December 2006): 1541–44, doi: 10.4065/81.12.1541.
- L. S. Redwine et al., "Pilot Randomized Study of a Gratitude Journaling Intervention on Heart Rate Variability and Inflammatory Biomarkers in Patients with Stage B Heart Failure," *Psychosomatic Medicine* 78, no. 6 (July–August 2016): 667–76, doi: 10.1097 /PSY.00000000000316.
- K. O'Leary and S. Dockray, "The Effects of Two Novel Gratitude and Mindfulness Interventions on Well-Being," *Journal of Alternative and Complementary Medicine* 21, no. 4 (April 2015): 243–45, doi: 10.1089/acm.2014.0119.
- S. T. Cheng et al., "Improving Mental Health in Health Care Practitioners: Randomized Controlled Trial of a Gratitude Intervention," *Journal of Consulting and Clinical Psychology* 83, no. 1 (February 2015): 177–86, doi: 10.1037/a0037895.
- E. Ramírez et al., "A Program of Positive Intervention in the Elderly: Memories, Gratitude and Forgiveness," *Aging and Mental Health* 18, no. 4 [May 2014]: 463-70, doi: 10.1080/13607863.2013.856858.
- 17. S. M. Toepfer et al., "Letters of Gratitude: Further Evidence for Author Benefits," *Journal of Happiness Studies* 13, no. 1 (March 2012): 187–201.
- T. K. Inagaki et al., "The Neurobiology of Giving Versus Receiving Support: The Role of Stress-Related and Social Reward-Related Neural Activity," *Psychosomatic Medicine* 78, no. 4 (May 2016): 443–53, doi: 10.1097/PSY.00000000000302.
- J. J. Froh et al., "Counting Blessings in Early Adolescents: An Experimental Study of Gratitude and Subjective Well-Being," *Journal of School Psychology* 46, no. 2 (April 2008): 213–33, doi: 10.1016/j.jsp.2007.03.005.
- M. E. Seligman et al., "Positive Psychology Progress: Empirical Validation of Interventions," *American Psychologist* 60, no. 5 (July–August 2005): 410–21, doi: 10.1037 /0003-066X.60.5.410.
- 21. K. Rippstein-Leuenberger et al., "A Qualitative Analysis of the Three Good Things Intervention in Healthcare Workers," *BMJ Open* 7, no. 5 (2017): e015826, doi: 10.1136 /bmjopen-2017-015826.
- 22. M. Seligman, *Flourish: A Visionary New Understanding of Happiness and Well-Being* (New York: Free Press, 2011).
- 23. S. Wong, "Always Look on the Bright Side of Life," *Guardian*, August 11, 2009, https://www.theguardian.com/science/blog/2009/aug/11/optimism-health-heart

-disease; H. A. Tindle et al., "Optimism, Cynical Hostility, and Incident Coronary Heart Disease and Mortality in the Women's Health Initiative," *Circulation* 120, no. 8 (August 25, 2009): 656–62, doi: 10.1161/CIRCULATIONAHA.108.827642; R. Hernandez et al., "Optimism and Cardiovascular Health: Multi-Ethnic Study of Atherosclerosis (MESA)," *Health Behavior and Policy Review* 2, no. 1 (January 2015): 62–73, doi: 10.14485 /HBPR.2.1.6.

- 24. Mayo Clinic, "Mayo Clinic Study Finds Optimists Report a Higher Quality Of Life Than Pessimists," *ScienceDaily*, August 13, 2002, https://www.sciencedaily.com/releases /2002/08/020813071621.htm; C. Conversano et al., "Optimism and Its Impact on Mental and Physical Well-Being," *Clinical Practice and Epidemiology in Mental Health* 6 (2010): 25–29, doi: 10.2174/1745017901006010025; Harvard Men's Health Watch, "Optimism and Your Health," *Harvard Health Publishing*, May 2008, https://www.health.harvard. edu/heart-health/optimism-and-your-health.
- 25. E. S. Kim et al., "Dispositional Optimism Protects Older Adults from Stroke: 'The Health and Retirement Study," *Stroke* 42, no. 10 (October 2011): 2855–59, doi: 10.1161 /STROKEAHA.111.613448.
- Association for Psychological Science, "Optimism Boosts the Immune System," ScienceDaily, March 24, 2010, www.sciencedaily.com/releases/2010/03/100323121757.htm.
- B. R. Goodin and H. W. Bulls, "Optimism and the Experience of Pain: Benefits of Seeing the Glass as Half Full," *Current Pain and Headache Reports* 17, no. 5 (May 2013): 329, doi: 10.1007/s11916-013-0329-8.
- International Association for the Study of Lung Cancer, "Lung Cancer Patients with Optimistic Attitudes Have Longer Survival, Study Finds," *ScienceDaily*, March 8, 2010, www.sciencedaily.com/releases/2010/03/100303131656.htm.
- University of California, Riverside, "Keys to Long Life? Not What You Might Expect," ScienceDaily, March 12, 2011, https://www.sciencedaily.com/releases/2011/03 /110311153541.htm.
- V. Venkatraman et al., "Sleep Deprivation Biases the Neural Mechanisms Underlying Economic Preferences," *Journal of Neuroscience* 31, no. 10 (March 9, 2011): 3712–18, doi: 10.1523/JNEUROSCI.4407-10.2011.
- A. J. Dillard et al., "The Dark Side of Optimism: Unrealistic Optimism about Problems with Alcohol Predicts Subsequent Negative Event Experiences," *Personality and Social Psychology Bulletin* 35, no. 11 (November 2009): 1540–50, doi: 10.1177/0146167209343124.
- 32. R. Ligneul et al., "Shifted Risk Preferences in Pathological Gambling," *Psychological Medicine* 43, no. 5 (May 2013): 1059–68, doi: 10.1017/S0033291712001900.

# **CHAPTER 6: HEALING CONNECTIONS**

- R. Waldinger, "What Makes a Good Life? Lessons from the Longest Study on Happiness," Tedx Talk, November 2015, https://www.ted.com/talks/robert\_waldinger\_ what\_makes\_a\_good\_life\_lessons\_from\_the\_longest\_study\_on\_happiness/ transcript; R. Lund et al., "Stressful Social Relations and Mortality: A Prospective Cohort Study," *Journal of Epidemiology & Community Health* 68, no. 8 (2014): doi: 10.1136/jech-2013-203675.
- 2. Harvard Women's Health Watch, "The Health Benefits of Strong Relationships," Harvard Health Publishing website, December 2010, https://www.health.harvard.edu /newsletter\_article/the-health-benefits-of-strong-relationships.
- 3. A. Sommerlad et al., "Marriage and Risk of Dementia: Systematic Review and Meta-Analysis of Observational Studies," *Journal of Neurology, Neurosurgery, and Psychiatry* online, November 28, 2017, doi: 10.1136/jnnp-2017-316274.
- N. Donovan et al., "Loneliness, Depression and Cognitive Function in Older U. S. Adults," *Geriatric Psychiatry* 32, no. 5 (May 2017): 564–73, doi: 10.1002/gps.4495; University of Chicago, "Loneliness Is a Major Health Risk for Older Adults," *ScienceDaily*, February 16, 2014, https://www.sciencedaily.com/releases/2014/02/140216151411.htm.

- N. I. Eisenberger and M. D. Lieberman, "Why Rejection Hurts: A Common Neural Alarm System for Physical and Social Pain," *Trends in Cognitive Sciences* 8, no. 7 (July 2004): 294–300, doi: 10.1016/j.tics.2004.05.010; N. I. Eisenberger, "The Neural Bases of Social Pain: Evidence for Shared Representations with Physical Pain," *Psychosomatic Medicine* 74, no. 2 (February 2012): 126–35, doi: 10.1097/PSY.0b013e3182464dd1.
- M. R. Leary et al., "Teasing, Rejection, and Violence: Case Studies of the School Shootings," Aggressive Behavior 29, no. 3 (June 2003): 202–14, doi: 10.1002/ab.10061.
- H. J. Markman and S. M. Stanley, Fighting for Your Marriage: A Deluxe Revised Edition of the Classic Best-Seller for Enhancing Marriage and Preventing Divorce (New York: Jossey-Bass, 2010).
- P. Cuijpers et al., "Interpersonal Psychotherapy for Mental Health Problems: A Comprehensive Meta-Analysis," *American Journal of Psychiatry* 173, no. 7 (July 1, 2016): 680–87, doi: 10.1176/appi.ajp.2015.15091141; P. Cuijpers et al., "Interpersonal Psychotherapy for Depression: A Meta-Analysis," *American Journal of Psychiatry* 168, no. 6 (June 2011): 581–92, doi: 10.1176/appi.ajp.2010.10101411.
- A. L. Brody et al., "Regional Brain Metabolic Changes in Patients with Major Depression Treated with Either Paroxetine or Interpersonal Therapy: Preliminary Findings," Archives of General Psychiatry 58, no. 7 (July 2001): 631–40.
- L. Ngo et al., "Two Distinct Moral Mechanisms for Ascribing and Denying Intentionality," Scientific Reports 5 (December 2015): 17390, doi: 10.1038/srep17390.
- 11. G. Rizzolatti et al., "Premotor Cortex and the Recognition of Motor Actions," *Cognitive Brain Research* 3, no. 2 (March 1996): 131–41.
- 12. Sandra Blakeslee, "Cells That Read Minds," *The New York Times*, January 10, 2006, https://www.nytimes.com/2006/01/10/science/cells-that-read-minds.html.
- P. Goldstein et al., "Brain-to-Brain Coupling during Handholding Is Associated with Pain Reduction," Proceedings of the National Academy of Sciences 115, no. 11 (March 13, 2018): E2528–E2537, doi: 10.1073/pnas.1703643115; University of Colorado at Boulder, "Holding Hands Can Sync Brainwaves, Ease Pain, Study Shows," *ScienceDaily*, March 1, 2018, https://www.sciencedaily.com/releases/2018/03/180301094822.htm.
- 14. S. L. Gable et al., "What Do You Do When Things Go Right? The Intrapersonal and Interpersonal Benefits of Sharing Positive Events," *Journal of Personality and Social Psychology* 87, no. 2 (August 2004): 228–45, doi: 10.1037/0022-3514.87.2.228.
- M. E. P. Seligman, Flourish: A Visionary New Understanding of Happiness and Well-Being (New York: Free Press, 2011), 49; M. Seligman, "Active and Constructive Responding," YouTube video, 4:01, posted by "RefLearn," April 23, 2008, https://www.youtube.com /watch?v=MU3y2ApnG7Y.
- S. L. Gable and H. T. Reis, "Good News! Capitalizing on Positive Events in an Interpersonal Context," Advances in Experimental Social Psychology 42 (2010): 195–257.
- 17. K. Patterson et al., *Influencer: The Power to Change Anything* (New York: McGraw Hill, 2008), PAGE NUMBER.
- "The Power and Vestigiality of Positive Emotion—What's Your Happiness Ratio?" Happier Human website, http://happierhuman.com/positivity-ratio/.
- 19. Merriam-Webster, s.v. "grace," accessed May 22, 2018, https://www.merriam-webster .com/dictionary/grace.
- K. Weir, "Forgiveness Can Improve Mental and Physical Health," *American Psychological Association* 48, no. 1 (January 2017): 30, http://www.apa.org/monitor/2017/01/ce-corner .aspx.
- E. Worthington, "Helping People Reach Forgiveness Everett Worthington," YouTube video, 33:30, posted by "Dallas Theological Seminary," April 6, 2018, https://www .youtube.com/watch?v=Um2hLZLHens; see also "REACH Forgiveness of Others," Everett Worthington website, accessed April 26, 2018, http://www.evworthington-forgiveness. com/reach-forgiveness-of-others/.

#### **CHAPTER 7: OVERCOMING TRAUMA AND GRIEF**

- K. Lansing et al., "High-Resolution Brain SPECT Imaging and Eye Movement Desensitization and Reprocessing in Police Officers with PTSD," *Journal of Neuropsychiatry* and Clinical Neurosciences 17, no. 4 (Fall 2005): 526–32, doi: 10.1176/jnp.17.4.526.
- C. A. Raji et al., "Functional Neuroimaging with Default Mode Network Regions Distinguishes PTSD from TBI in a Military Veteran Population," *Brain Imaging and Behavior* 9, no. 3 (September 2015): 527–34, doi: 10.1007/s11682-015-9385-5; D. G. Amen et al., "Functional Neuroimaging Distinguishes Posttraumatic Stress Disorder from Traumatic Brain Injury in Focused and Large Community Datasets," *PLoS One* 10, no. 7 (July 1, 2015): e0129659, doi: 10.1371/journal.pone.0129659.
- J. Guina et al., "Benzodiazepines for PTSD: A Systematic Review and Meta-Analysis," Journal of Psychiatric Practice 21, no. 4 (July 2015): 281–303, doi: 10.1097/PRA .00000000000091.
- 4. J. I. Bisson et al., "Psychological Treatments for Chronic Post-Traumatic Stress Disorder: Systematic Review and Meta-Analysis," *British Journal of Psychiatry* 190 (February 2007): 97–104, doi: 10.1192/bjp.bp.106.021402.
- 5. R. M. Solomon and T. A. Rando, "Utilization of EMDR in the Treatment of Grief and Mourning," *Journal of EMDR Practice and Research* 1, no. 2 (2007): 109–17.
- P. Gauvreau and S. P. Bouchard, "Preliminary Evidence for the Efficacy of EMDR in Treating Generalized Anxiety Disorder," *Journal of EMDR Practice and Research* 2, no. 1 (March 2008): 26–40, doi: 10.1891/1933-3196.2.1.26.
- 7. F. Horst et al., "Cognitive Behavioral Therapy vs. Eye Movement Desensitization and Reprocessing for Treating Panic Disorder: A Randomized Controlled Trial," *Frontiers in Psychology* 8 (2017): 1409, doi: 10.3389/fpsyg.2017.01409.
- H. Bae et al., "Eye Movement Desensitization and Reprocessing for Adolescent Depression," *Psychiatry Investigation* 5, no. 1 (March 2008): 60–65, doi: 10.4306/ pi.2008.5.1.60.
- F. Friedberg, "Eye Movement Desensitization in Fibromyalgia: A Pilot Study," *Complementary Therapies in Nursing and Midwifery* 10, no. 4 (2004): 245–49, doi: 10.1016/j .ctnm.2004.06.006.
- A. Rostaminejad et al., "Efficacy of Eye Movement Desensitization and Reprocessing on the Phantom Limb Pain of Patients with Amputations within a 24-Month Follow-Up," *International Journal of Rehabilitation Research* 40, no. 3 (September 2017): 209–14, doi: 10.1097/MRR.0000000000227.
- 11. J. Zweben and J. Yeary, "EMDR in the Treatment of Addiction," Journal of Chemical Dependency Treatment 8, no. 2 (2006): 115–27; R. Pilz et al., "The Role of Eye Movement Desensitization and Reprocessing (EMDR) in Substance Use Disorders: A Systematic Review," Fortschritte der Neurologie-Psychiatrie 85, no. 10 (October 2017): 584–91, doi: 10.1055/s-0043-118338.
- 12. S. Foster and J. Lendl, "Eye Movement Desensitization and Reprocessing: Initial Applications for Enhancing Performance in Athletes," *Journal of Applied Sport Psychology* 7, supplement (1995): 63.
- G. Maslovaric et al., "The Effectiveness of Eye Movement Desensitization and Reprocessing Integrative Group Protocol with Adolescent Survivors of the Central Italy Earthquake," *Frontiers in Psychology* 8 (October 23, 2017): 1826, doi: 10.3389/fpsyg.2017.01826.
- 14. D. G. Amen, *Healing the Hardware of the Soul* (New York: Free Press, 2002), 193.
- C. Sachser et al., "Trauma-Focused Cognitive-Behavioral Therapy with Children and Adolescents: Practice, Evidence Base, and Future Directions," *Zeitschrift fur Kinder—und Jugendpsychiatrie und Psychotherapie* 44, no. 6 (November 2016): 479–90, doi: 10.1024 /1422-4917/a000436.
- E. Deblinger et al., "Applying Trauma-Focused Cognitive-Behavioral Therapy in Group Format," *Child Maltreatment* 21, no. 1 (February 2016): 59–73, doi: 10.1177 /1077559515620668.

- T. K. Jensen et al., "A Follow-Up Study from a Multisite, Randomized Controlled Trial for Traumatized Children Receiving TF-CBT," *Journal of Abnormal Child Psychology* 45, no. 8 (November 2017): 1587–97, doi: 10.1007/s10802-017-0270-0.
- N. Gwozdziewycz and L. Mehl-Madrona, "Meta-Analysis of the Use of Narrative Exposure Therapy for the Effects of Trauma among Refugee Populations," *Permanente Journal* 17, no. 1 (Winter 2013): 70–6, doi: 10.7812/TPP/12-058.
- 19. D. M. Sloan et al, "A Brief Exposure-Based Treatment vs Cognitive Processing Therapy for Posttraumatic Stress Disorder: A Randomized Noninferiority Clinical Trial," *JAMA Psychiatry* 75, no. 3 (2018): 233–39, doi: 10.1001/jamapsychiatry.2017.4249.
- 20. A. S. Leiner et al., "Avoidant Coping and Treatment Outcome in Rape-Related Posttraumatic Stress Disorder," *Journal of Consulting and Clinical Psychology* 80, no. 2 (April 2012): 317–21, doi: 10.1037/a0026814.
- A. J. Shallcross et al., "Let It Be: Accepting Negative Emotional Experiences Predicts Decreased Negative Affect and Depressive Symptoms," *Behaviour Research and Therapy* 48, no. 9 (September 2010): 921–9, doi: 10.1016/j.brat.2010.05.025.
- L. Marques et al., "A Comparison of Emotional Approach Coping (EAC) between Individuals with Anxiety Disorders and Nonanxious Controls," CNS Neuroscience and Therapeutics 15, no. 2 (Summer 2009): 100–6, doi: 10.1111/j.1755-5949.2009.00080.x.
- 23. J. Lillis et al., "Binge Eating and Weight Control: The Role of Experiential Avoidance," *Behavior Modification* 35, no. 3 (May 2011): 252–64, doi: 10.1177/0145445510397178.
- 24. R. Chou and P. Shekelle, "Will This Patient Develop Persistent Disabling Low Back Pain?" *JAMA* 303, no. 13 (April 7, 2010): 1295–302, doi: 10.1001/jama.2010.344.
- H. W. Sullivan et al., "The Effect of Approach and Avoidance Referents on Academic Outcomes: A Test of Competing Predictions," *Motivation and Emotions* 30, no. 2 (June 2006): 156–63, doi: 10.1007/s11031-006-9027-8.
- 26. Jalal al-Din Rumi, "The Guest House," in *The Essential Rumi*, trans. Coleman Barks (New York: HarperCollins, 2005), 109.
- R. G. Tedeschi and L. G. Calhoun, "The Posttraumatic Growth Inventory: Measuring the Positive Legacy of Trauma," *Journal of Traumatic Stress* 9, no. 3 (July 1996): 455–71.
- M. J. Nijdam et al., "Turning Wounds into Wisdom: Posttraumatic Growth over the Course of Two Types of Trauma-Focused Psychotherapy in Patients with PTSD," *Journal* of Affective Disorders 227 (November 11, 2017): 424–31, doi: 10.1016/j.jad.2017.11.031.
- S. W. Jeon et al., "Eye Movement Desensitization and Reprocessing to Facilitate Posttraumatic Growth: A Prospective Clinical Pilot Study on Ferry Disaster Survivors," *Clinical Psychopharmacology and Neuroscience* 15, no. 4 (November 30, 2017): 320–27, doi: 10.9758/cpn.2017.15.4.320.
- K. Stoller, Oxytocin: The Hormone of Healing and Hope (Lagunitas, CA: Dream Treader Press, 2012), 1–3.
- M. Sack et al., "Intranasal Oxytocin Reduces Provoked Symptoms in Female Patients with Posttraumatic Stress Disorder Despite Exerting Sympathomimetic and Positive Chronotropic Effects in a Randomized Controlled Trial," *BMC Medicine* 15, (February 17, 2017): 40.
- J. L. Frijling, "Preventing PTSD with Oxytocin: Effects of Oxytocin Administration on Fear Neurocircuitry and PTSD Symptom Development in Recently Trauma-Exposed Individuals," *European Journal of Psychotraumatology* 8, no. 1 (April 11, 2017): 1302652, doi: 10.1080/20008198.2017.1302652.
- S. Palgi et al., "Oxytocin Improves Compassion toward Women among Patients with PTSD," *Psychoneuroendocrinology* 64 (2016): 143–49, doi: 10.1016/j. psyneuen.2015.11.008.
- M. Kalantari et al., "Efficacy of Writing for Recovery on Traumatic Grief Symptoms of Afghani Refugee Bereaved Adolescents: A Randomized Control Trial," *Omega* 65, no. 2 (2012): 139–50, doi: 10.2190/OM.65.2.d.

- 35. K. van der Houwen et al., "The Efficacy of a Brief Internet-Based Self-Help Intervention for the Bereaved," *Behaviour Research and Therapy* 48, no. 5 (May 2010): 359–67, doi: 10.1016/j.brat.2009.12.009.
- L. M. Range et al., "Does Writing about the Bereavement Lessen Grief Following Sudden, Unintentional Death?" *Death Studies* 24, no. 2 (March 2000): 115–34, doi: 10.1080 /074811800200603.
- D. P. Hall Jr., "A Widow's Grief: The Language of the Heart" JAMA 268, no. 7 (August 19, 1992): 871–72; P. Taggart et al., "Anger, Emotion, and Arrhythmias: From Brain to Heart," Frontiers in Physiology 2 (2011): 67, doi: 10.3389/fphys.2011.00067.
- D. Thompson, "Grief May Trigger Heart Rhythm Trouble," WebMD website, April 6, 2016, https://www.webmd.com/heart/news/20160406/death-of-loved-one-may-trigger-heart -rhythm-trouble#1.
- J. W. James and R. Friedman, *The Grief Recovery Handbook 20th Anniversary Expanded Edition* (New York: HarperCollins, 2009), 19–20.

#### **CHAPTER 8: CREATE IMMEDIATE AND LASTING JOY**

- 1. "WS1988 Gm1: Scully's Call of Gibson Memorable At-Bat," YouTube video, 9:44, posted by "MLB," September 21, 2016, https://www.youtube.com/watch?v=N4nwMDZYXTI.
- 2. "Lessons from Leaders of the Past: Viktor Frankl," Charles Koch Institute website, accessed May 3, 2018, https://www.charleskochinstitute.org/blog/lessons-leaders -past-viktor-frankl/.
- 3. P. A. Boyle et al., "Effect of a Purpose in Life on Risk of Incident Alzheimer Disease and Mild Cognitive Impairment in Community-Dwelling Older Persons," *Archives of General Psychiatry* 67, no. 3 (March 2010): 304–10, doi: 10.1001/archgenpsychiatry.2009.208.
- 4. A. Steptoe, "Subjective Wellbeing, Health, and Ageing," *Lancet* 385, no. 9968 (February 14, 2015): 640–48, doi: 10.1016/S0140-6736(13)61489-0.
- C. Cohen et al., "Purpose in Life and Its Relationship to All-Cause Mortality and Cardiovascular Events," *Psychosomatic Medicine* 78, no. 2 (February–March 2016): 122–33, doi: 10.1097/PSY.0000000000274.
- A. D. Turner et al., "Is Purpose in Life Associated with Less Sleep Disturbance in Older Adults?" *Sleep Science and Practice* 1, no. 14 (December 2017): doi: 10.1186/s41606-017 -0015-6.
- 7. A. L. Burrow and N. Rainone, "How Many Likes Did I Get?: Purpose Moderates Links between Positive Social Media Feedback and Self-Esteem" *Journal of Experimental Social Psychology* 69 (2016): 232–36, doi: 10.1016/j.jesp.2016.09.005.
- 8. Dr. Amen is trying to track down this reference.
- 9. A. Hart, *Thrilled to Death: How the Endless Pursuit of Pleasure Is Leaving Us Numb* (Nashville: Thomas Nelson, 2007).
- J. B. Weaver III et al., "Health-Risk Correlates of Video-Game Playing Among Adults," *American Journal of Preventive Medicine* 37, no. 4 (October 2009): 299–305, doi: 10.1016/j .amepre.2009.06.014.
- 11. N. Eyal, *Hooked: How to Build Habit Forming Products* (New York: Portfolio/Penguin, 2014), 165.
- "Parents, Beware: Smartphone Addiction Causes 'Imbalance' in Teenage Brains," Sputnik International website, March 12, 2017, https://sputniknews.com/society /201712031059656185-smartphone-addiction-causes-imbalance-brain/.
- 13. Hart, Thrilled to Death.
- A. Aron et al., "Reward, Motivation, and Emotion Systems Associated with Early-Stage Intense Romantic Love," *Journal of Neurophysiology* 94, no. 1 (July 2005): 327–37, doi: 10 .1152/jn.00838.2004.
- H. E. Fisher et al., "Intense, Passionate, Romantic Love: A Natural Addiction? How the Fields That Investigate Romance and Substance Abuse Can Inform Each Other," *Frontiers in Psychology* 7 (2016): 687, doi: 10.3389/fpsyg.2016.00687.

- M. L. Halko et al., "Entrepreneurial and Parental Love—Are They the Same?" Human Brain Mapping (March 13, 2017): 2923–38, doi: 10.1002/hbm.23562.
- I. C. Duarte et al., "Tribal Love: The Neural Correlates of Passionate Engagement in Football Fans," *Social Cognitive and Affective Neuroscience* 12, no. 5 (May 1, 2017): 718–28, doi: 10.1093/scan/nsx003.
- D. G. Amen et al., "Reversing Brain Damage in Former NFL Players: Implications for Traumatic Brain Injury and Substance Abuse Rehabilitation," *Journal of Psychoactive Drugs* 43, no. 1 (January–March 2011): 1–5, doi: 10.1080/02791072.2011.566489.
- G. H. Sahlgren, "Work Longer, Live Healthier," IEA Discussion Paper 46, May 2013, http://iea.org.uk/sites/default/files/publications/files/Work%20Longer,%20Live \_Healthier.pdf.
- A. O. Mechan et al., "Monoamine Reuptake Inhibition and Mood-Enhancing Potential of a Specified Oregano Extract," *British Journal of Nutrition* 105, no. 8 (April 2011): 1150–63, doi: 10.1017/S0007114510004940.
- Some material in this section is taken from an interview with Dr. Jeff Zeig, "How Do You Find Meaning in Your Life?" on the *Brain Warrior's Way* podcast, published September 29, 2017, https://www.youtube.com/watch?v=063vsRl2\_fo.
- 22. V. Frankl, Man's Search for Meaning (Boston: Beacon Press, 1959), xv-xvi.
- 23. Interview with Dr. Zeig.
- S. R. Covey, foreword to A. Patakos, Prisoners of Our Thoughts: Viktor Frankl's Principles for Discovering Meaning in Life and Work [San Francisco: Berrett-Koehler Publishers, 2008], viii.
- 25. Interview with Dr. Zeig.
- 26. Man's Search for Meaning, 66.
- 27. Man's Search for Meaning, 37.
- 28. Interview with Dr. Zeig.
- 29. V. Frankl, *The Doctor and the Soul: From Psychotherapy to Logotherapy* (New York: Vintage Books, 1986 edition), xix.
- 30. Man's Search for Meaning, 112–13.
- A. Leipzig, "How to Know Your Life Purpose in Five Minutes," Tedx Talk, February 1, 2013, https://www.youtube.com/watch?v=vVsX09brK7M&app=desktop.
- 32. "54 Supplements and Drugs/Agonists to Increase Dopamine," SelfHacked website, updated March 21, 2018, https://selfhacked.com/blog/ways-to-increase-and-decrease -dopamine/.
- 33. Interview with Dr. Zieg.
- 34. E. Kübler-Ross, *Death: The Final Stage of Growth* (New York: Simon and Schuster, 1975), 164.

#### **CHAPTER 9: THE FEEL BETTER FAST DIET**

- L. M. Pelsser et al., "Effects of a Restricted Elimination Diet on the Behaviour of Children with Attention-Deficit Hyperactivity Disorder (INCA Study): A Randomised Controlled Trial," *Lancet* 377, no. 9764 (February 5, 2011): 494–503, doi: 10.1016/S0140-6736 (10)62227-1; L. M. Pelsser et al., "Diet and ADHD, Reviewing the Evidence: A Systematic Review of Meta-Analyses of Double-Blind Placebo-Controlled Trials Evaluating the Efficacy of Diet Interventions on the Behavior of Children with ADHD," *PLoS One* 12, no. 1 (January 25, 2017): e0169277, doi: 10.1371/journal.pone.0169277.
- 2. "Preventive Health Care," Centers for Disease Control and Prevention website, accessed April 10, 2018, https://www.cdc.gov/healthcommunication/toolstemplates /entertainmented/tips/PreventiveHealth.html.
- 3. W. C. Willett et al., "Prevention of Chronic Disease by Means of Diet and Lifestyle Changes," in *Disease Control Priorities in Developing Countries*, 2nd edition, ed. D. T. Jamison et al. (Washington, DC: World Bank, 2006).

- S. Khalid et al., "Is There an Association between Diet and Depression in Children and Adolescents? A Systematic Review," *British Journal of Nutrition* 116, no. 12 (December 2016): 2097–108, doi: 10.1017/S0007114516004359; R. S. Opie et al., "Dietary Recommendations for the Prevention of Depression," *Nutritional Neuroscience* 20, no. 3 (April 2017): 161–71, doi: 10.1179/1476830515Y.0000000043; F. N. Jacka and M. Berk, "Depression, Diet and Exercise," *Medical Journal of Australia* 199, supplement 6 (September 16, 2013): S21–23.
- F. N. Jacka et al., "The Association between Habitual Diet Quality and the Common Mental Disorders in Community-Dwelling Adults: The Hordaland Health Study," *Psychosomatic Medicine* 73, no. 6 (July–August 2011): 483–90, doi: 10.1097/PSY.0b013e318222831a.
- A. L. Howard et al., "ADHD Is Associated with a 'Western' Dietary Pattern in Adolescents," *Journal of Attention Disorders* 15, no. 5 (July 2011): 403–11, doi: 10.1177/1087054710365990; A. Ríos-Hernández et al., "The Mediterranean Diet and ADHD in Children and Adolescents," *Pediatrics* 139, no. 2 (February 2017): e20162027, doi: 10.1542/peds.2016-2027.
- W. B. Grant, "Using Multicountry Ecological and Observational Studies to Determine Dietary Risk Factors for Alzheimer's Disease," *Journal of the American College of Nutrition* 35, no. 5 (July 2016): 476–89, doi: 10.1080/07315724.2016.1161566; M. D. Parrott and C. E. Greenwood, "Dietary Influences on Cognitive Function with Aging: From High-Fat Diets to Healthful Eating," *Annals of the New York Academy of Sciences* 1114 (October 2007): 389–97, doi: 10.1196/annals.1396.028.
- 8. N. K. McGrath-Hanna et al., "Diet and Mental Health in the Arctic: Is Diet an Important Risk Factor for Mental Health in Circumpolar Peoples?—A Review," *International Journal* of Circumpolar Health 62, no. 3 (September 2003): 228–41.
- N. Parletta et al., "A Mediterranean-Style Dietary Intervention Supplemented with Fish Oil Improves Diet Quality and Mental Health in People with Depression: A Randomized Controlled Trial (HELFIMED)," *Nutritional Neuroscience* (December 7, 2017): 1–14, doi: 10.1080/1028415X.2017.1411320.
- L. M. Pelsser et al., "Effects of a Restricted Elimination Diet on the Behaviour of Children with Attention-Deficit Hyperactivity Disorder (INCA Study): A Randomised Controlled Trial," *Lancet* 377, no. 9764 (February 5, 2011): 494–503, doi: 10.1016/S0140-6736 (10)62227-1.
- 11. R. J. Hardman et al., "Adherence to a Mediterranean-Style Diet and Effects on Cognition in Adults: A Qualitative Evaluation and Systematic Review of Longitudinal and Prospective Trials," *Frontiers in Nutrition* 3 (July 22, 2016): 22, doi: 10.3389/fnut.2016.00022.
- 12. J. R. Hibbeln et al., "Vegetarian Diets and Depressive Symptoms among Men," *Journal of Affective Disorders* 225 (January 1, 2018): 13–17, doi: 10.1016/j.jad.2017.07.051.
- J. J. DiNicolantonio et al., "Sugar Addiction: Is It Real? A Narrative Review," British Journal of Sports Medicine online (August 23, 2017): doi: 10.1136/bjsports-2017-097971.
- 14. M. Rao et al., "Do Healthier Foods and Diet Patterns Cost More Than Less Healthy Options? A Systematic Review and Meta-Analysis," *BMJ Open* 3, no. 12 (December 5, 2013): e004277, doi: 10.1136/bmjopen-2013-004277.
- A. Christ et al., "Western Diet Triggers NLRP3-Dependent Innate Immune Reprogramming," *Cell* 172, nos. 1–2 (January 11, 2018): 162–75, doi: 10.1016/j .cell.2017.12.013.
- 16. A. O'Connor, "The Key to Weight Loss Is Diet Quality, Not Quantity, a New Study Finds," New York Times, February 20, 2018, https://www.nytimes.com/2018/02/20/well/eat /counting-calories-weight-loss-diet-dieting-low-carb-low-fat.html?emc=edit\_ty \_20180223&nl=opinion-today&nlid=20436447&te=1.
- A. Adan, "Cognitive Performance and Dehydration," *Journal of the American College of Nutrition* 31, no. 2 (April 2012): 71–78: https://www.ncbi.nlm.nih.gov/pubmed/22855911.
- R. O. Roberts et al., "Relative Intake of Macronutrients Impacts Risk of Mild Cognitive Impairment or Dementia," *Journal of Alzheimer's Disease* 32, no. 2 (January 1, 2012): 329–39, doi: 10.3233/JAD-2012-120862.

- M. Dehghan et al., "Associations of Fats and Carbohydrate Intake with Cardiovascular Disease and Mortality in 18 Countries from Five Continents (PURE): A Prospective Cohort Study," *Lancet* 390, no. 10107 (November 4, 2017): 2050–62, doi: 10.1016/S0140 -6736(17)32252-3.
- Y. Gu et al., "Nutrient Intake and Plasma β-amyloid," *Neurology* 78, no. 23 (June 5, 2012): 1832–40, doi: 10.1212/WNL.0b013e318258f7c2.
- M. C. Houston, "Saturated Fats and Coronary Heart Disease," Annals of Nutritional Disorders and Therapy 4, no. 1 (2017): 1038.
- B. A. Golomb and A. K. Bui, "A Fat to Forget: Trans Fat Consumption and Memory," PLoS One 10, no. 6 (June 17, 2015): e0128129, doi: 10.1371/journal.pone.0128129.
- J. E. Gangwisch et al., "High Glycemic Index Diet as a Risk Factor for Depression: Analyses from the Women's Health Initiative," *American Journal of Clinical Nutrition* 102, no. 2 (August 2015): 454–63, doi: 10.3945/ajcn.114.103846.
- R. Mujcic and A. J. Oswald, "Evolution of Well-Being and Happiness After Increases in Consumption of Fruits and Vegetables," *American Journal of Public Health* 106, no. 8 (August 2016): 1504–10, doi: 10.2105/AJPH.2016.303260; University of Warwick, "Fruit and Veggies Give You the Feel-Good Factor," *ScienceDaily*, July 10, 2016, https://www.sciencedaily.com/releases/2016/07/160710094239.htm.
- E. Schmidt, "This Is Your Brain on Sugar: UCLA Study Shows High-Fructose Diet Sabotages Learning, Memory," UCLA Newsroom website, May 15, 2012, http://newsroom .ucla.edu/releases/this-is-your-brain-on-sugar-ucla-233992.
- G. Addolorato et al., "Anxiety but not Depression Decreases in Coeliac Patients after One-Year Gluten-Free Diet: A Longitudinal Study," *Scandinavian Journal of Gastroenterology* 36, no. 5 (May 2001): 502–6.
- P. Usai et al., "Frontal Cortical Perfusion Abnormalities Related to Gluten Intake and Associated Autoimmune Disease in Adult Coeliac Disease: 99mTc-ECD Brain SPECT Study," *Digestive Liver Disease* 36, no. 8 (August 2004): 513–18, doi: 10.1016/j.dld.2004 .03.010.
- "15 Health Problems Linked to Monsanto's Roundup," EcoWatch website, accessed April 11, 2018, http://ecowatch.com/2015/01/23/health-problems-linked-to-monsanto -roundup/.
- R. D. Abbott et al., "Midlife Milk Consumption and Substantia Nigra Neuron Density at Death," *Neurology* 86, no. 6 (February 9, 2016): 512–19, doi: 10.1212/WNL .000000000002254; A. Kyrozis et al., "Dietary and Lifestyle Variables in Relation to Incidence of Parkinson's Disease in Greece," *European Journal of Epidemiology* 28, no. 1 (January 2013): 67–77, doi: 10.1007/s10654-012-9760-0.
- A. Farooq et al., "A Prospective Study of the Physiological and Neurobehavioral Effects of Ramadan Fasting in Preteen and Teenage Boys," *Journal of the Academy of Nutrition and Dietetics* 115, no. 6 (June 2015): 889–97, doi: 10.1016/j.jand.2015.02.012.
- N. M. Hussin et al., "Efficacy of Fasting and Calorie Restriction (FCR) on Mood and Depression among Ageing Men," *Journal of Nutrition, Health and Aging* 17, no. 8 (2013): 674–80, doi: 10.1007/s12603-013-0344-9.
- T. Moro et al., "Effects of Eight Weeks of Time-Restricted Feeding (16/8) on Basal Metabolism, Maximal Strength, Body Composition, Inflammation, and Cardiovascular Risk Factors in Resistance-Trained Males," *Journal of Translational Medicine* 14, no. 1 (October 13, 2016): 290, doi: 10.1186/s12967-016-1044-0.
- M. A. Faris et al., "Intermittent Fasting during Ramadan Attenuates Proinflammatory Cytokines and Immune Cells in Healthy Subjects," *Nutrition Research* 32, no. 12 (December 2012): 947–55, doi: 10.1016/j.nutres.2012.06.021.
- A. R. Vasconcelos et al., "Intermittent Fasting Attenuates Lipopolysaccharide-Induced Neuroinflammation and Memory Impairment," *Journal of Neuroinflammation* 11 (May 6, 2014): 85, doi: 10.1186/1742-2094-11-85.

- B. Spencer, "Why You Should NEVER Eat After 7 p.m.," *Daily Mail*, August 31, 2016, http://www.dailymail.co.uk/health/article-3767231/Why-NEVER-eat-7pm-Late-night -meals-increases-risk-heart-attack-stroke.html.
- 36. A. Madjd et al., "Beneficial Effect of High Energy Intake at Lunch Rather Than Dinner on Weight Loss in Healthy Obese Women in a Weight-Loss Program: A Randomized Clinical Trial," *American Journal of Clinical Nutrition* 104, no. 4 (October 1, 2016): 982–89, doi: 10.3945/ajcn.116.134163.
- Authority Nutrition, "The 9 Healthiest Beans and Legumes You Can Eat," Healthline website, accessed April 12, 2018, www.healthline.com/nutrition/healthiest -beans-legumes.
- 38. Health Fitness Revolution, "Top 10 Healthiest Mushrooms and Their Benefits," Health Fitness Revolution website, September 5, 2016, www.healthfitnessrevolution. com/top-10-healthiest-mushrooms-and-their-benefits/.
- D. M. Lovinger, "Serotonin's Role in Alcohol's Effects on the Brain," Alcohol Health and Research World 21, no. 2 (1997): 114–20, https://www.ncbi.nlm.nih.gov/pubmed/15704346.
- R. P. Sharma and R. A. Coulombe Jr., "Effects of Repeated Doses of Aspartame on Serotonin and Its Metabolite in Various Regions of the Mouse Brain," *Food and Chemical Toxicology* 25, no. 8 (August 1987): 565–68, https://www.ncbi.nlm.nih.gov/pubmed /2442082.
- 41. "Foods That Fight Winter Depression," WebMD archives, accessed April 12, 2018, www.webmd.com/depression/features/foods-that-fight-winter-depression#1.
- 42. S. Nishizawa et al., "Differences between Males and Females in Rates of Serotonin Synthesis in Human Brain," *Proceedings of the National Academy of Sciences of the United States of America* 94, no. 10 (May 13, 1997): 5308–13, doi: 10.1073/pnas.94.10.5308.
- J. Ding et al., "Alcohol Intake and Cerebral Abnormalities on Magnetic Resonance Imaging in a Community-Based Population of Middle-Aged Adults: The Atherosclerosis Risk in Communities (ARIC) Study," *Stroke* 35, no. 1 (January 2004): 16–21, doi: 10.1161 /01.STR.0000105929.88691.8E.
- 44. J. Conner, "Alcohol Consumption as a Cause of Cancer," *Addiction* 112, no. 2 (February 2017): 222–28, doi: 10.1111/add.13477.
- M. Schwarzinger et al., "Contribution of Alcohol Use Disorders to the Burden of Dementia in France 2008–13: A Nationwide Retrospective Cohort Study," *Lancet* 3, no. 3 (March 2018): e124–e132, doi: 10.1016/S2468-2667(18)30022-7.
- S. K. Kulkarni et al., "Antidepressant Activity of Curcumin: Involvement of Serotonin and Dopamine System," *Psychopharmacology* 201, no. 3 (December 2008): 435–42, doi: 10.1007/s00213-008-1300-y.
- T. Yamada et al., "Effects of Theanine, r-glutamylethylamide, on Neurotransmitter Release and Its Relationship with Glutamic Acid Neurotransmission," *Nutritional Neuroscience* 8, no. 4 (August 2005): 219–26, doi: 10.1080/10284150500170799.
- "15 Brain Foods to Boost Focus and Memory," Dr. Axe website, accessed April 12, 2018, https://draxe.com/15-brain-foods-to-boost-focus-and-memory/.
- D. Derbyshire, "A Bowl of Blueberries Keeps the Brain Active in the Afternoon," *Daily Mail* online, September 14, 2009, www.dailymail.co.uk/health/article-1212579/A-bowl -blueberries-day-keeps-brain-active-afternoon.html.
- S. K. Park et al., "A Combination of Green Tea Extract and L-theanine Improves Memory and Attention in Subjects with Mild Cognitive Impairment: A Double-Blind Placebo-Controlled Study," *Journal of Medicinal Food* 14, no. 4 (April 2011): 334–43, doi: 10.1089/ jmf.2009.1374.
- S. Barker et al., "Improved Performance on Clerical Tasks Associated with Administration of Peppermint Odor," *Perceptual and Motor Skills* 97, no. 3 part 1 (December 2003): 1007–10, doi: 10.2466/pms.2003.97.3.1007.
- 52. P. R. Zoladz and B. Raudenbush, "Cognitive Enhancement through Stimulation of the Chemical Senses," *North American Journal of Psychology* 7, no. 1 (January 2005):

125–140; H. M. Chen and H. W. Chen, "The Effect of Applying Cinnamon Aromatherapy for Children with Attention Deficit Hyperactivity Disorder," *Journal of Chinese Medicine* 19, nos. 1–2 (2008): 27–34; "Study Finds That Peppermint and Cinnamon Lower Drivers' Frustration and Increase Alertness," Wheeling Jesuit University website, accessed April 12, 2018, http://www.wju.edu/about/adm\_news\_story.asp?iNewsID=1882&strBack =/about/adm\_news\_archive.asp.

- 53. D. L. Walcutt, "Chocolate and Mood Disorders," Psych Central website, accessed April 12, 2018, http://psychcentral.com/blog/archives/2009/04/27/chocolate-and-mood -disorders/; A. A. Sunni and R. Latif, "Effects of Chocolate Intake on Perceived Stress; a Controlled Clinical Study," *International Journal of Health Sciences (Qassim)* 8, no. 4 (October 2014): 393–401.
- G. Akkasheh et al., "Clinical and Metabolic Response to Probiotic Administration in Patients with Major Depressive Disorder: A Randomized, Double-Blind, Placebo-Controlled Trial," *Nutrition* 32, no. 3 (March 2016): 315–20, doi: 10.1016/j.nut.2015.09.003; M. R. Hilimire et al., "Fermented Foods, Neuroticism, and Social Anxiety: An Interaction Model," *Psychiatry Research* 228, no. 2 (August 15, 2015): 203–8, doi: 10.1016/j.psychres .2015.04.023.
- 55. A. Ghajar et al., "Crocus sativus L. versus Citalopram in the Treatment of Major Depressive Disorder with Anxious Distress: A Double-Blind, Controlled Clinical Trial," *Pharmacopsychiatry* 50, no. 4 (July 2017): 152–60, doi: 10.1055/s-0042-116159; H. A. Hausenblas et al., "A Systematic Review of Randomized Controlled Trials Examining the Effectiveness of Saffron (Crocus sativus L.) on Psychological and Behavioral Outcomes," *Journal of Integrative Medicine* 13, no. 4 (July 2015): 231–40, doi: 10.1016/S2095-4964 (15)60176-5.
- 56. S. K. Kulkarni et al., "Antidepressant Activity of Curcumin: Involvement of Serotonin and Dopamine System," *Psychopharmacology* 201, no. 3 (December 2008): 435–42, doi: 10.1007/s00213-008-1300-y; A. L. Lopresti et al., "Curcumin for the Treatment of Major Depression: A Randomised, Double-Blind, Placebo Controlled Study," *Journal of Affective Disorders* 167 (2014): 368–75, doi: 10.1016/j.jad.2014.06.001.
- A. L. Lopresti and P. D. Drummond, "Efficacy of Curcumin, and a Saffron/Curcumin Combination for the Treatment of Major Depression: A Randomised, Double-Blind, Placebo-Controlled Study," *Journal of Affective Disorders* 207 (January 1, 2017): 188–96, doi: 10.1016/j.jad.2016.09.047.
- University of Warwick, "Fruit and Veggies Give You the Feel-Good Factor," *ScienceDaily*, July 10, 2016, www.sciencedaily.com/releases/2016/07/160710094239.htm.
- L. Stojanovska et al., "Maca Reduces Blood Pressure and Depression, in a Pilot Study in Postmenopausal Women," *Climacteric* 18, no. 1 (February 2015): 69–78, doi: 10.3109 /13697137.2014.929649.
- 60. F. N. Jacka et al., "Western Diet Is Associated with a Smaller Hippocampus: A Longitudinal Investigation," *BMC Medicine* 13, no. 1 (September 8, 2015): 215, doi: 10.1186/s12916-015-0461-x.
- 61. D. Mastroiacovo et al., "Cocoa Flavanol Consumption Improves Cognitive Function, Blood Pressure Control, and Metabolic Profile in Elderly Subjects: The Cocoa, Cognition, and Aging (CoCoA) Study—A Randomized Controlled Trial," *American Journal of Clinical Nutrition* 101, no. 3 (March 1, 2015): 538–48, doi: 10.3945/ajcn.114.092189.
- 62. C. Poly et al., "The Relation of Dietary Choline to Cognitive Performance and White-Matter Hyperintensity in the Framingham Offspring Cohort," *American Journal of Clinical Nutrition* 94, no. 6 (December 2011): 1584–91, doi: 10.3945/ajcn.110.008938.
- K. Kimura et al., "L-Theanine Reduces Psychological and Physiological Stress Responses," *Biological Psychology* 74, no. 1 (January 2007): 39–45, doi: 10.1016/j .biopsycho.2006.06.006.
- 64. J. K. Kiecolt-Glaser et al., "Omega-3 Supplementation Lowers Inflammation and Anxiety in Medical Students: A Randomized Controlled Trial," *Brain, Behavior, and Immunity* 25, no. 8 (November 2011): 1725–34, doi: 10.1016/j.bbi.2011.07.229.

### CHAPTER 10: ADVANCED AND BRAIN-TYPE NUTRACEUTICALS

- A. Pariente et al., "The Benzodiazepine-Dementia Disorders Link: Current State of Knowledge," CNS Drugs 30, no. 1 (January 2016): 1–7, doi: 10.1007/s40263-015 -0305-4; H. Taipale et al., "Use of Benzodiazepines and Related Drugs Is Associated with a Risk of Stroke among Persons with Alzheimer's Disease," International Clinical Psychopharmacology 32, no. 3 (May 2017): 135–41, doi: 10.1097/YIC.00000000000161.
- D. G. Amen et al., "Reversing Brain Damage in Former NFL Players: Implications for Traumatic Brain Injury and Substance Abuse Rehabilitation," Journal of Psychoactive Drugs 43, no. 1 (January–March 2011): 1–5, doi: 10.1080/02791072.2011.566489;
  D. G. Amen et al., "Effects of Brain-Directed Nutrients on Cerebral Blood Flow and Neuropsychological Testing: A Randomized, Double-Blind, Placebo-Controlled, Crossover Trial," Advances in Mind-Body Medicine 27, no. 2 (Spring 2013): 24–33.
- 3. Y. Steinbuch, "90 Percent of Americans Eat Garbage," *New York Post*, November 17, 2017, https://nypost.com/2017/11/17/90-of-americans-eat-like-garbage/?utm\_campaign =iosapp&utm\_source=mail\_app; "Only 1 in 10 Adults Get Enough Fruits or Vegetables," CDC website, November 16, 2017, https://www.cdc.gov/media/releases/2017/p1116 -fruit-vegetable-consumption.html.
- 4. R. H. Fletcher and K. M. Fairfield, "Vitamins for Chronic Disease Prevention in Adults: Clinical Applications," *JAMA* 287, no. 23 (June 19, 2002): 3127–29.
- 5. C. W. Popper, "Single-Micronutrient and Broad-Spectrum Micronutrient Approaches for Treating Mood Disorders in Youth and Adults," *Child and Adolescent Psychiatric Clinics of North America* 23, no. 3 (July 2014): 591–672, doi: 10.1016/j.chc.2014.04.001.
- 6. J. J. Rucklidge et al., "Vitamin-Mineral Treatment of Attention-Deficit Hyperactivity Disorder in Adults: Double-Blind Randomised Placebo-Controlled Trial," *British Journal* of *Psychiatry* 204 (2014): 306–15, doi: 10.1192/bjp.bp.113.132126.
- 7. J. J. Rucklidge and B. J. Kaplan, "Broad-Spectrum Micronutrient Formulas for the Treatment of Psychiatric Symptoms: A Systematic Review," *Expert Review of Neurotherapeutics* 13, no. 1 (January 2013): 49–73, doi: 10.1586/ern.12.143.
- S. J. Schoenthaler and I. D. Bier, "The Effect of Vitamin-Mineral Supplementation on Juvenile Delinquency among American Schoolchildren: A Randomized, Double-Blind Placebo-Controlled Trial," *Journal of Alternative and Complementary Medicine* 6, no. 1 (February 2000): 7–17, doi: 10.1089/act.2000.6.7.
- 9. J. J. Rucklidge et al., "Shaken but Unstirred? Effects of Micronutrients on Stress and Trauma after an Earthquake: RCT Evidence Comparing Formulas and Doses," *Human Psychopharmacology* 27, no. 5 (September 2012): 440–54, doi: 10.1002/hup.2246.
- B. J. Kaplan et al., "A Randomised Trial of Nutrient Supplements to Minimise Psychological Stress after a Natural Disaster," *Psychiatry Research* 228, no. 3 (August 30, 2015): 373–79, doi: 10.1016/j.psychres.2015.05.080.
- D. O. Kennedy et al., "Effects of High-Dose B Vitamin Complex with Vitamin C and Minerals on Subjective Mood and Performance in Healthy Males," *Psychopharmacology* 211, no. 1 (July 2010): 55–68, doi: 10.1007/s00213-010-1870-3.
- 12. C. Haskell et al., "Cognitive and Mood Effects in Healthy Children during 12 Weeks' Supplementation with Multi-Vitamin/Minerals," *British Journal of Nutrition* 100, no. 5 (November 2008): 1086–96, doi: 10.1017/S0007114508959213.
- 13. "Smoking, High Blood Pressure and Being Overweight Top Three Preventable Causes of Death in the U.S.," Harvard T.H. Chan School of Public Health website, April 27, 2009, https://www.hsph.harvard.edu/news/press-releases/smoking-high-blood-pressure -overweight-preventable-causes-death-us/.
- T. A. Mori and L. J. Beilin, "Omega-3 Fatty Acids and Inflammation," *Current Atherosclerosis Reports* 6, no. 6 (November 2004): 461–67; D. Moertl et al., "Dose-Dependent Effects of Omega-3-Polyunsaturated Fatty Acids on Systolic Left Ventricular Function, Endothelial Function, and Markers of Inflammation in Chronic Heart Failure of Nonischemic Origin: A Double-Blind, Placebo-Controlled, 3-Arm Study," *American Heart Journal* 161, no. 5 (May 2011): 915.e1-9, doi: 10.1016/j.ahj.2011.02.011; J. G. Devassy

et al., "Omega-3 Polyunsaturated Fatty Acids and Oxylipins in Neuroinflammation and Management of Alzheimer Disease," *Advances in Nutrition* 7, no. 5 (September 15, 2016): 905–16, doi: 10.3945/an.116.012187.

- C. von Schacky, "The Omega-3 Index as a Risk Factor for Cardiovascular Diseases," *Prostaglandins and Other Lipid Mediators* 96, nos. 1–4 (November 2011): 94–98, doi: 10.1016/j.prostaglandins.2011.06.008; S. P. Whelton et al., "Meta-Analysis of Observational Studies on Fish Intake and Coronary Heart Disease," *American Journal* of Cardiology 93, no. 9 (May 1, 2004): 1119–23, doi: 10.1016/j.amjcard.2004.01.038.
- 16. E. Messamore et al., "Polyunsaturated Fatty Acids and Recurrent Mood Disorders: Phenomenology, Mechanisms, and Clinical Application," *Progress in Lipid Research* 66 (April 2017): 1–13, doi: 10.1016/j.plipres.2017.01.001; J. Sarris et al., "Omega-3 for Bipolar Disorder: Meta-Analyses of Use in Mania and Bipolar Depression," *Journal* of Clinical Psychiatry 73, no. 1 (January 2012): 81–86, doi: 10.4088/JCP.10r06710; R. J. Mocking et al., "Meta-Analysis and Meta-Regression of Omega-3 Polyunsaturated Fatty Acid Supplementation for Major Depressive Disorder," *Translational Psychiatry* 6 (March 15, 2016): e756, doi:10.1038/tp.2016.2.
- J. R. Hibbeln and R. V. Gow, "The Potential for Military Diets to Reduce Depression, Suicide, and Impulsive Aggression: A Review of Current Evidence for Omega-3 and Omega-6 Fatty Acids," *Military Medicine* 179, Supplement 11 [November 2014]: 117–28, doi: 10.7205/MILMED-D-14-00153; M. Huan et al., "Suicide Attempt and n-3 Fatty Acid Levels in Red Blood Cells: A Case Control Study in China," *Biological Psychiatry* 56, no. 7 (October 1, 2004): 490–96, doi: 10.1016/j.biopsych.2004.06.028; M. E. Sublette et al., "Omega-3 Polyunsaturated Essential Fatty Acid Status as a Predictor of Future Suicide Risk," *American Journal of Psychiatry* 163, no. 6 (June 2006): 1100–2, doi: 10.1176/ajp .2006.163.6.1100; M. D. Lewis et al., "Suicide Deaths of Active-Duty US Military and Omega-3 Fatty-Acid Status: A Case-Control Comparison," *Journal of Clinical Psychiatry* 72, no. 12 (December 2011): 1585–90, doi: 10.4088/JCP.11m06879.
- 18. C. M. Milte et al., "Increased Erythrocyte Eicosapentaenoic Acid and Docosahexaenoic Acid Are Associated With Improved Attention and Behavior in Children With ADHD in a Randomized Controlled Three-Way Crossover Trial," *Journal of Attention Disorders* 19, no. 11 (November 2015): 954–64, doi: 10.1177/1087054713510562; M. H. Bloch and A. Qawasmi, "Omega-3 Fatty Acid Supplementation for the Treatment of Children with Attention-Deficit/Hyperactivity Disorder Symptomatology: Systematic Review and Meta-Analysis," *Journal of the American Academy of Child and Adolescent Psychiatry* 50, no. 10 (October 2011): 991–1000, doi: 10.1016/j.jaac.2011.06.008.
- Y. Zhang et al., "Intakes of Fish and Polyunsaturated Fatty Acids and Mild-to-Severe Cognitive Impairment Risks: A Dose-Response Meta-Analysis of 21 Cohort Studies," *American Journal of Clinical Nutrition* 103, no. 2 [February 2016]: 330–40, doi: 10.3945/ajcn .115.124081; T. A. D'Ascoli et al., "Association between Serum Long-Chain Omega-3 Polyunsaturated Fatty Acids and Cognitive Performance in Elderly Men and Women: The Kuopio Ischaemic Heart Disease Risk Factor Study," *European Journal of Clinical Nutrition* 70, no. 8 (August 2016): 970–75, doi: 10.1038/ejcn.2016.59; K. Lukaschek et al., "Cognitive Impairment Is Associated with a Low Omega-3 Index in the Elderly: Results from the KORA-Age Study," *Dementia and Geriatric Cognitive Disorders* 42, nos. 3–4 (2016): 236–45, doi: 10.1159/000448805.
- C. Couet et al., "Effect of Dietary Fish Oil on Body Fat Mass and Basal Fat Oxidation in Healthy Adults," *International Journal of Obesity and Related Metabolic Disorders* 21, no. 8 (August 1997): 637–43; J. D. Buckley and P. R. Howe, "Anti-Obesity Effects of Long-Chain Omega-3 Polyunsaturated Fatty Acids," *Obesity Reviews* 10, no. 6 (November 2009): 648–59, doi: 10.1111/j.1467-789X.2009.00584.x.
- D. G. Amen et al., "Quantitative Erythrocyte Omega-3 EPA Plus DHA Are Related to Higher Regional Cerebral Blood Flow on Brain SPECT," *Journal of Alzheimer's Disease* 58, no. 4 (2017): 1189–99, doi: 10.3233/JAD-170281.
- C. W. Skovlund et al., "Association of Hormonal Contraception with Suicide Attempts and Suicides," *American Journal of Psychiatry* 175, no. 4 (April 1, 2018): 336–42, doi: 10.1176 /appi.ajp.2017.17060616.

- G. Small et al., "Memory and Brain Amyloid and Tau Effects of a Bioavailable Form of Curcumin in Non-Demented Adults: A Double-Blind, Placebo-Controlled 18-Month Trial," *American Journal of Geriatric Psychiatry* 26, no. 3 (March 2018): 266–77, doi: 10.1016/j .jagp.2017.10.010.
- 24. D. G. Amen and B. Carmichael, "High Resolution Brain SPECT Imaging in ADHD," Annals of Clinical Psychiatry 9, no. 2 (June 1997): 81–86.
- R. F. Santos, "Cognitive Performance, SPECT, and Blood Viscosity in Elderly Non-Demented People Using Ginkgo Biloba," *Pharmacopsychiatry* 36, no. 4 (July 2003): 127–33, doi: 10.1055/s-2003-41197.
- H. Y. Kim, et al., "Phosphatidylserine in the Brain: Metabolism and Function," *Progress in Lipid Research* 56 (October 2014): 1–18, doi: 10.1016/j.plipres.2014.06.002.
- A. E. Capello and C. R. Markus, "Effect of Sub Chronic Tryptophan Supplementation on Stress-Induced Cortisol and Appetite in Subjects Differing in 5-HTTLPR Genotype and Trait Neuroticism," *Psychoneuroendocrinology* 45 (July 2014): 96–107, doi: 10.1016/j .psyneuen.2014.03.005.
- A. Nantel-Vivier et al., "Serotonergic Contribution to Boys' Behavioral Regulation," PLoS One 6, no. 6 (2011):e20304, doi: 10.1371/journal.pone.0020304.
- M. H. Mohajeri et al., "Chronic Treatment with a Tryptophan-Rich Protein Hydrolysate Improves Emotional Processing, Mental Energy Levels and Reaction Time in Middle-Aged Women," *British Journal of Nutrition* 113, no. 2 (January 28, 2015): 350–65, doi: 10 .1017/S0007114514003754.
- S. E. Murphy et al., "Tryptophan Supplementation Induces a Positive Bias in the Processing of Emotional Material in Healthy Female Volunteers," *Psychopharmacology* 187, no. 1 (July 2006): 121–30, doi: 10.1007/s00213-006-0401-8.
- 31. P. Jangid et al., "Comparative Study of Efficacy of L-5-Hydroxytryptophan and Fluoxetine in Patients Presenting with First Depressive Episode," Asian Journal of Psychiatry 6, no. 1 (February 2013): 29–34, doi: 10.1016/j.ajp.2012.05.011; J. Angst et al., "The Treatment of Depression with L-5-Hydroxytryptophan versus Imipramine. Results of Two Open and One Double-Blind Study," Archiv fur Psychiatrie und Nervenkrankheiten 224, no. 2 (October 11, 1977):175–86.
- 32. "5-HTP," Examine.com, accessed April 16, 2018, https://examine.com /supplements/5-htp/.
- "Saffron," Examine.com, accessed April 16, 2018, https://examine.com/supplements/ saffron/; A. L. Lopresti and P. D. Drummond, "Saffron (Crocus sativus) for Depression: A Systematic Review of Clinical Studies and Examination of Underlying Antidepressant Mechanisms of Action," *Human Psychopharmacology* 29, no. 6 (November 2014): 517–27, doi: 10.1002/hup.2434.
- 34. M. Tsolaki et al., "Efficacy and Safety of Crocus Sativus L. in Patients with Mild Cognitive Impairment," *Journal of Alzheimer's Disease* 54, no. 1 (July 27, 2016): 129–33, doi: 10.3233/JAD-160304.
- L. Kashani et al., "Saffron for Treatment of Fluoxetine-Induced Sexual Dysfunction in Women: Randomized Double-Blind Placebo-Controlled Study," *Human Psychopharmacology* 28, no. 1 (January 2013): 54–60, doi: 10.1002/hup.2282.
- M. Agha-Hosseini et al., "Crocus sativus L. (Saffron) in the Treatment of Premenstrual Syndrome: A Double-Blind, Randomised and Placebo-Controlled Trial," *BJOG* 115, no. 4 (March 2008): 515–19, doi: 10.1111/j.1471-0528.2007.01652.x.
- M. N. Shahi et al., "The Impact of Saffron on Symptoms of Withdrawal Syndrome in Patients Undergoing Maintenance Treatment for Opioid Addiction in Sabzevar Parish in 2017," Advances in Medicine 2017 (2017): Article ID 1079132, doi: 10.1155/2017/1079132.
- T. Bottiglieri, "S-Adenosyl-L-Methionine (SAMe): From the Bench to the Bedside— Molecular Basis of a Pleiotrophic Molecule," *American Journal of Clinical Nutrition* 76, no. 5 (November 2002): 1151S-7S, doi: 10.1093/ajcn/76/5.1151S.

- A. Sharma et al., "S-Adenosylmethionine (SAMe) for Neuropsychiatric Disorders: A Clinician-Oriented Review of Research," *Journal of Clinical Psychiatry* 78, no. 6 (June 2017): e656–e667, doi: 10.4088/JCP.16r11113.
- F. Di Pierro et al., "Role of Betaine in Improving the Antidepressant Effect of S-adenosylmethionine in Patients with Mild-to-Moderate Depression," *Journal of Multidisciplinary Healthcare* 8 (2015): 39–45, doi: 10.2147/JMDH.S77766; F. Di Pierro and R. Settembre, "Preliminary Results of a Randomized Controlled Trial Carried Out with a Fixed Combination of S-adenosyl-L-methionine and Betaine versus Amitriptyline in Patients with Mild Depression," *International Journal of General Medicine* 8 (February 4, 2015): 73–78, doi: 10.2147/IJGM.S79518.

# **CHAPTER 11: THINK DIFFERENT**

- D. G. Amen et al., "Multi-Site Six Month Outcome Study of Complex Psychiatric Patients Evaluated with Addition of Brain SPECT Imaging," *Advances in Mind-Body Medicine* 27, no. 2 (Spring 2013): 6–16.
- J. F. Thornton et al., "Improved Outcomes Using Brain SPECT-Guided Treatment versus Treatment-as-Usual in Community Psychiatric Outpatients: A Retrospective Case-Control Study," *Journal of Neuropsychiatry and Clinical Neurosciences* 26, no. 1 (Winter 2014): 51–56, doi: 10.1176/appi.neuropsych.12100238.
- 3. D. G. Amen et al., "Specific Ways Brain SPECT Imaging Enhances Clinical Psychiatric Practice," *Journal of Psychoactive Drugs* 44, no. 2 (April-June 2012): 96–106, doi: 10.1080/02791072.2012.684615.
- 4. D. G. Amen, *Change Your Brain, Change Your Life*, rev. ed., (New York: Harmony Books, 2015), 15.
- 5. "What a Psychiatrist Learned from 87,000 Brain Scans," Facebook video, November 13, 2017, https://www.facebook.com/Illumeably/videos/283984572006650.

# **CHAPTER 12: LOVE IS YOUR SECRET WEAPON**

- 1. A. Moosavi and A. M. Ardekani, "Role of Epigenetics in Biology and Human Diseases," *Iranian Biomedical Journal* 20, no. 5 (November 2016): 246–58.
- 2. K. Northstone et al., "Prepubertal Start of Father's Smoking and Increased Body Fat in His Sons: Further Characterisation of Paternal Transgenerational Responses," *European Journal of Human Genetics* 22, no. 12 (December 2014): 1382–86, doi: 10.1038 /ejhg.2014.31.
- 3. C. S. Lewis, The Four Loves (New York: Harcourt, Brace, 1960), 1.
- C. M. Karns et al., "The Cultivation of Pure Altruism via Gratitude: A Functional MRI Study of Change with Gratitude Practice," *Frontiers in Human Neuroscience* 11 (December 2017): article 599, doi: 10.3389/fnhum.2017.00599.
- 5. Michael Wines, "In Memoir, Barbara Bush Recalls Private Trials of a Political Life," *New York Times*, September 8, 1994, http://www.nytimes.com/1994/09/08/us/in-memoir -barbara-bush-recalls-private-trials-of-a-political-life.html; "Barbara Bush Says She Fought Depression in '76," *Washington Post*, May 20, 1990, https://www.washingtonpost. com/archive/politics/1990/05/20/barbara-bush-says-she-fought-depression-in-76 /0ac40655-923e-448d-bfcc-aa3ea5cb88c8/?utm\_term=.1bb20fdb6707.
- K. E. Buchanan and A. Bardi, "Acts of Kindness and Acts of Novelty Affect Life Satisfaction," *Journal of Social Psychology* 150, no. 3 (May–June 2010): 235–37, doi: 10.1080/00224540903365554.
- L. B. Aknin et al, "Happiness Runs in a Circular Motion: Evidence for a Positive Feedback Loop between Prosocial Spending and Happiness," *Journal of Happiness Studies* 13, no. 2 (April 2012): 347–55, doi: 10.1007/s10902-011-9267-5.
- S. Q. Park et al., "A Neural Link between Generosity and Happiness," *Nature Communications* 8 (2017): 159674, doi: 10.1038/ncomms15964; S. G. Post, "Altruism, Happiness, and Health: It's Good to Be Good," International Journal of Behavioral Medicine 12, no. 2 (2005): 66–77, doi: 10.1207/s15327558ijbm1202\_4; L. B. Aknin et

al., "Giving Leads to Happiness in Young Children," *PLoS One* 7, no. 6 (2012): e39211, doi: 10.1371/journal.pone.0039211.

- R. Boussi-Gross et al., "Hyperbaric Oxygen Therapy Can Improve Post Concussion Syndrome Years after Mild Traumatic Brain Injury—Randomized Prospective Trial," *PLoS One* 8, no. 11 (November 15, 2013): e79995, doi: 10.1371/journal.pone.0079995;
  S. Tal et al., "Hyperbaric Oxygen May Induce Angiogenesis in Patients Suffering from Prolonged Post-Concussion Syndrome Due to Traumatic Brain Injury," *Restorative Neurology and Neuroscience* 33, no. 6 (2015): 943–51, doi: 10.3233/RNN-150585; P. G. Harch et al., "A Phase I Study of Low-Pressure Hyperbaric Oxygen Therapy for Blast-Induced Post-Concussion Syndrome and Post-Traumatic Stress Disorder," *Journal of Neurotrauma* 29, no. 1 (January 1, 2012): 168–85, doi: 10.1089/neu.2011.1895.
- S. Efrati et al., "Hyperbaric Oxygen Induces Late Neuroplasticity in Post Stroke Patients—Randomized, Prospective Trial," *PLoS One* 8, no. 1 (January 2013): e53716, doi: 10.1371/journal.pone.0053716.
- 11. S. Efrati et al., "Hyperbaric Oxygen Therapy Can Diminish Fibromyalgia Syndrome— Prospective Clinical Trial," *PLoS One* 10, no. 5 (May 26, 2015): e0127012, doi: 10.1371 /journal.pone.0127012.
- C. Y. Huang et al., "Hyperbaric Oxygen Therapy as an Effective Adjunctive Treatment for Chronic Lyme Disease," *Journal of the Chinese Medical Association* 77, no. 5 (May 2014): 269–71, doi: 10.1016/j.jcma.2014.02.001.
- I. I. H. Chiang et al., "Adjunctive Hyperbaric Oxygen Therapy in Severe Burns: Experience in Taiwan Formosa Water Park Dust Explosion Disaster," *Burns* 43, no. 4 (June 2017): 852–57, doi: 10.1016/j.burns.2016.10.016.
- M. Löndahl et al., "Relationship between Ulcer Healing after Hyperbaric Oxygen Therapy and Transcutaneous Oximetry, Toe Blood Pressure and Ankle-Brachial Index in Patients with Diabetes and Chronic Foot Ulcers," *Diabetologia* 54, no. 1 (January 2011): 65–68, doi: 10.1007/s00125-010-1946-y.
- 15. A. M. Eskes et al., "Hyperbaric Oxygen Therapy: Solution for Difficult to Heal Acute Wounds? Systematic Review," World Journal of Surgery 35, no. 3 (March 2011): 535–42, doi: 10.1007/s00268-010-0923-4; J. J. Shaw et al., "Not Just Full of Hot Air: Hyperbaric Oxygen Therapy Increases Survival in Cases of Necrotizing Soft Tissue Infections," Surgical Infections 15, no. 3 (June 2014): 328–35, doi: 10.1089/sur.2012.135.
- M. T. Asl et al., "Brain Perfusion Imaging with Voxel-Based Analysis in Secondary Progressive Multiple Sclerosis Patients with a Moderate to Severe Stage of Disease: A Boon for the Workforce," *BMC Neurology* 16 (May 26, 2016): 79, doi: 10.1186/s12883 -016-0605-4.
- P. S. Dulai et al., "Systematic Review: The Safety and Efficacy of Hyperbaric Oxygen Therapy for Inflammatory Bowel Disease," *Alimentary Pharmacology and Therapeutics* 39, no. 11 (June 2014): 1266–75, doi: 10.1111/apt.12753.
- 18. D. N. Teguh et al., "Early Hyperbaric Oxygen Therapy for Reducing Radiotherapy Side Effects: Early Results of a Randomized Trial in Oropharyngeal and Nasopharyngeal Cancer," *International Journal of Radiation Oncology, Biology, Physics* 75, no. 3 (November 1, 2009): 711–16, doi: 10.1016/j.ijrobp.2008.11.056; N. A. Schellart et al., "Hyperbaric Oxygen Treatment Improved Neurophysiologic Performance in Brain Tumor Patients after Neurosurgery and Radiotherapy: A Preliminary Report," *Cancer* 177, no. 15 (August 1, 2011): 3434–44, doi: 10.1002/cncr.25874.
- D. A. Rossignol et al., "The Effects of Hyperbaric Oxygen Therapy on Oxidative Stress, Inflammation, and Symptoms in Children with Autism: An Open-Label Pilot Study," *BMC Pediatrics* 7 (November 16, 2007): 36, doi: 10.1186/1471-2431-7-36; D. A. Rossignol et al., "Hyperbaric Treatment for Children with Autism: A Multicenter, Randomized, Double-Blind, Controlled Trial," *BMC Pediatrics* 9 (March 13, 2009): 21, doi: 10.1186/1471-2431-9-21.
- A. Mukherjee et al., "Intensive Rehabilitation Combined with HBO<sub>2</sub> Therapy in Children with Cerebral Palsy: A Controlled Longitudinal Study," Undersea and Hyperbaric Medicine 41, no. 2 (March–April 2014): 77–85.

- T. Perera et al., "The Clinical TMS Society Consensus Review and Treatment Recommendations for TMS Therapy for Major Depressive Disorder," *Brain Stimulation* 9, no. 3 (May–June 2016): 336–46, doi: 10.1016/j.brs.2016.03.010.
- 22. D. White and S. Tavakoli, "Repetitive Transcranial Magnetic Stimulation for Treatment of Major Depressive Disorder with Comorbid Generalized Anxiety Disorder," *Annals of Clinical Psychiatry* 27, no. 3 (August 2015): 192–96.
- M. Ceccanti et al., "Deep TMS on Alcoholics: Effects on Cortisolemia and Dopamine Pathway Modulation. A Pilot Study," *Canadian Journal of Physiology and Pharmacology* 93, no. 4 (April 2015): 283–90, doi: 10.1139/cjpp-2014-0188.
- L. Dinur-Klein et al., "Smoking Cessation Induced by Deep Repetitive Transcranial Magnetic Stimulation of the Prefrontal and Insular Cortices: A Prospective, Randomized Controlled Trial," *Biological Psychiatry* 76, no. 9 (November 1, 2014): 742–49, doi: 10 .1016/j.biopsych.2014.05.020.
- P. S. Boggio et al., "Noninvasive Brain Stimulation with High-Frequency and Low-Intensity Repetitive Transcranial Magnetic Stimulation Treatment for Posttraumatic Stress Disorder," *Journal of Clinical Psychiatry* 71, no. 8 (August 2010): 992–99, doi: 10 .4088/JCP.08m04638blu.
- A. P. Trevizol et al., "Transcranial Magnetic Stimulation for Obsessive-Compulsive Disorder: An Updated Systematic Review and Meta-analysis," *The Journal of ECT* 32, no. 4 (December 2016): 262–66, doi: 10.1097/YCT.00000000000335.
- H. L. Drumond Marra et al., "Transcranial Magnetic Stimulation to Address Mild Cognitive Impairment in the Elderly: A Randomized Controlled Study," *Behavioural Neurology* 2015 (2015): 287843, doi: 10.1155/2015/287843; W. M. McDonald, "Neuromodulation Treatments for Geriatric Mood and Cognitive Disorders," *American Journal of Geriatric Psychiatry* 24, no. 12 (December 2016): 1130–41, doi: 10.1016/j.jagp.2016.08.014; J. M. Rabey and E. Dobronevsky, "Repetitive Transcranial Magnetic Stimulation (rTMS) Combined with Cognitive Training Is a Safe and Effective Modality for the Treatment of Alzheimer's Disease: Clinical Experience," *Journal of Neural Transmission* (Vienna) 123, no. 12 (December 2016): 1449–55, doi: 10.1007/s00702-016-1606-6.
- M. Yilmaz et al., "Effectiveness of Transcranial Magnetic Stimulation Application in Treatment of Tinnitus," *Journal of Craniofacial Surgery* 25, no. 4 (July 2014): 1315–18, doi: 10.1097/SCS.00000000000782.
- T. V. Kulishova and O. V. Shinkorenko, "The Effectiveness of Early Rehabilitation of the Patients Presenting with Ischemic Stroke," *Voprosy Kurortologii Fizioterapii, i Lechebnoi Fizicheskoi Kultury* 6 (November–December 2014): 9–12.
- H. L. Drumond Marra et al., "Transcranial Magnetic Stimulation to Address Mild Cognitive Impairment in the Elderly: A Randomized Controlled Study," *Behavioural Neurology* 2015 (2015): 287843, doi: 10.1155/2015/287843.
- C. Andrade, "Ketamine for Depression, 1: Clinical Summary of Issues Related to Efficacy, Adverse Effects, and Mechanism of Action," *Journal of Clinical Psychiatry* 78, no. 4 (April 2017): e415–e419, doi: 10.4088/JCP.17f11567; M. F. Grunebaum et al., "Ketamine for Rapid Reduction of Suicidal Thoughts in Major Depression: A Midazolam-Controlled Randomized Clinical Trial," *American Journal of Psychiatry* 175, no. 4 (April 1, 2018): 327–35, doi: 10.1176/appi.ajp.2017.17060647.
- J. Guez et al., "Influence of Electroencephalography Neurofeedback Training on Episodic Memory: A Randomized, Sham-Controlled, Double-Blind Study," *Memory* 23, no. 5 (2015): 683–94, doi: 10.1080/09658211.2014.921713; S. Xiong et al., "Working Memory Training Using EEG Neurofeedback in Normal Young Adults," *Bio-Medical Materials and Engineering* 24, no. 6 (2014): 3637–44, doi: 10.3233/BME-141191; J. R. Wang and S. Hsieh, "Neurofeedback Training Improves Attention and Working Memory Performance," *Clinical Neurophysiology* 124, no. 12 (December 2013): 2406–20, doi: 10 .1016/j.clinph.2013.05.020.
- S. E. Kober et al., "Specific Effects of EEG Based Neurofeedback Training on Memory Functions in Post-Stroke Victims," *Journal of Neuroengineering and Rehabilitation* 12 (December 1, 2015): 107, doi: 10.1186/s12984-015-0105-6.

- V. Meisel et al., "Neurofeedback and Standard Pharmacological Intervention in ADHD: A Randomized Controlled Trial with Six-Month Follow-Up," *Biological Psychology* 94, no. 1 (September 2013): 12–21, doi: 10.1016/j.biopsycho.2013.04.015.
- J. Kopřivová et al., "Prediction of Treatment Response and the Effect of Independent Component Neurofeedback in Obsessive-Compulsive Disorder: A Randomized, Sham-Controlled, Double-Blind Study," *Neuropsychobiology* 67, no. 4 (2013): 210–23, doi: 10.1159/000347087.
- E. J. Cheon et al., "The Efficacy of Neurofeedback in Patients with Major Depressive Disorder: An Open Labeled Prospective Study," *Applied Psychophysiology and Biofeedback* 41, no. 1 (September 2015): 103–10, doi: 10.1007/s10484-015-9315-8.
- 37. T. Surmeli et al., "Quantitative EEG Neurometric Analysis-Guided Neurofeedback Treatment in Postconcussion Syndrome (PCS): Forty Cases. How Is Neurometric Analysis Important for the Treatment of PCS and as a Biomarker?" *Clinical EEG and Neuroscience* 48, no. 3 (June 27, 2016): 217–30, doi: 10.1177/1550059416654849.
- R. Rostami and F. Dehghani-Arani, "Neurofeedback Training as a New Method in Treatment of Crystal Methamphetamine Dependent Patients: A Preliminary Study," *Applied Psychophysiology and Biofeedback* 40, no. 3 (September 2015): 151–61, doi: 10.1007/s10484-015-9281-1.
- P. Kubik et al., "Neurofeedback Therapy Influence on Clinical Status and Some EEG Parameters in Children with Localized Epilepsy," *Przeglad Lekarski* 73, no. 3 (2016): 157–60.
- M. P. Jensen et al., "Use of Neurofeedback to Enhance Response to Hypnotic Analgesia in Individuals with Multiple Sclerosis," *International Journal of Clinical and Experimental Hypnosis* 64, no. 1 (2016): 1–23, doi: 10.1080/00207144.2015.1099400.
- A. Azarpaikan et al., "Neurofeedback and Physical Balance in Parkinson's Patients," Gait Posture 40, no. 1 (2014): 177–81, doi: 10.1016/j.gaitpost.2014.03.179.
- M. Y. Cheng et al., "Sensorimotor Rhythm Neurofeedback Enhances Golf Putting Performance," *Journal of Sport & Exercise Psychology* 37, no. 6 (December 2015): 626–36, doi: 10.1123/jsep.2015-0166.
- J. Gruzelier et al., "Acting Performance and Flow State Enhanced with Sensory-Motor Rhythm Neurofeedback Comparing Ecologically Valid Immersive VR and Training Screen Scenarios," *Neuroscience Letters* 480, no. 2 (August 16, 2010): 112–16, doi: 10.1016/j .neulet.2010.06.019.
- 44. N. Rahmati et al., "The Effectiveness of Neurofeedback on Enhancing Cognitive Process Involved in Entrepreneurship Abilities among Primary School Students in District No. 3 Tehran," *Basic and Clinical Neuroscience* 5, no. 4 (October 2014): 277–84.
- T. L. Huang and C. Charyton, "A Comprehensive Review of the Psychological Effects of Brainwave Entrainment," *Alternative Therapies in Health and Medicine* 14, no. 5 (September–October 2008): 38–50.
- J. C. Mazziotta et al., "Tomographic Mapping of Human Cerebral Metabolism: Subcortical Responses to Auditory and Visual Stimulation," *Neurology* 34, no. 6 (June 1984): 825–28, doi: 10.1212/WNL.34.6.825.
- 47. P. T. Fox and M. E. Raichle, "Stimulus Rate Determines Regional Brain Blood Flow in Striate Cortex," *Annals of Neurology* 17, no. 3 (March 1985): 303–5.
- H. Y. Tang et al., "A Pilot Study of Audio-Visual Stimulation as a Self-Care Treatment for Insomnia in Adults with Insomnia and Chronic Pain," *Applied Psychophysiology and Biofeedback* 39, nos. 3–4 (December 2014): 219–25, doi: 10.1007/s10484-014-9263-8;
  V. Abeln et al., "Brainwave Entrainment for Better Sleep and Post-Sleep State of Young Elite Soccer Players—A Pilot Study," *European Journal of Sport Science* 14, no. 5 (2014): 393–402, doi: 10.1080/17461391.2013.819384.
- 49. Ibid.; C. Gagnon and F. Boersma, "The Use of Repetitive Audio-Visual Entrainment in the Management of Chronic Pain," *Medical Hypnoanalysis Journal* 7, no. 3 (1992): 462–68.
- Huang and Charyton, "A Comprehensive Review of the Psychological Effects of Brainwave Entrainment," 38–50.

- D. Anderson, "The Treatment of Migraine with Variable Frequency Photo-Stimulation," *Headache* 29 (March 1989): 154–55.
- K. Berg and D. Siever, "A Controlled Comparison of Audio-Visual Entrainment for Treating Seasonal Affective Disorder," *Journal of Neurotherapy* 13, no. 3 (2009): 166–75, doi: 10.1080/10874200903107314; D. S. Cantor and E. Stevens, "QEEG Correlates of Auditory-Visual Entrainment Treatment Efficacy of Refractory Depression," *Journal of Neurotherapy* 13, no. 2 (April 2009): 100–108, doi: 10.1080/10874200902887130.
- 53. D. Siever, "Audio-Visual Entrainment: History, Physiology, and Clinical Studies," The Association for Applied Psychophysiology and Biofeedback website, accessed May 7, 2018, https://www.aapb.org/files/news/Entrainment.pdf.
- 54. Centers for Disease Control and Prevention, "CDC Report: Mental Illness Surveillance among Adults in the United States," CDC website, last edited December 2, 2011, https://www.cdc.gov/mentalhealthsurveillance/fact\_sheet.html.
- 55. Kaiser Permanente, "Only One-Third of Patients Diagnosed with Depression Start Treatment: Likelihood of Beginning Treatment Is Especially Low among Ethnic and Racial Minorities and the Elderly," *ScienceDaily*, February 8, 2018, www.sciencedaily .com/releases/2018/02/180208141239.htm.
- C. Battaglia et al., "Participation in a 9-Month Selected Physical Exercise Program Enhances Psychological Well-Being in a Prison Population," *Criminal Behaviour and Mental Health* 25, no. 5 (December 2015): 343–54, doi: 10.1002/cbm.1922.
- 57. A. M. Abdou et al., "Relaxation and Immunity Enhancement Effects of Gamma-Aminobutyric Acid (GABA) Administration in Humans," *Biofactors* 26, no. 3 (2006): 201–208; A. Yoto et al., "Oral Intake of γ-aminobutyric Acid Affects Mood and Activities of Central Nervous System during Stressed Condition Induced by Mental Tasks," *Amino Acids* 43, no. 3 (September 2012): 1331–37, doi: 10.1007/s00726-011-1206-6.
- K. Kimura et al., "L-Theanine Reduces Psychological and Physiological Stress Responses," *Biological Psychology* 74, no. 1 (January 2007): 39–45, doi: 10.1016/j .biopsycho.2006.06.006.
- 59. J. Knapen et al., "Exercise Therapy Improves Both Mental and Physical Health in Patients with Major Depression," *Disability and Rehabilitation* 37, no. 16 (2015): 1490–95, doi: 10.3109/09638288.2014.972579; C. Battaglia et al., "Participation in a 9-Month Selected Physical Exercise Program Enhances Psychological Well-Being in a Prison Population," *Criminal Behaviour and Mental Health* 25, no. 5 (December 2015): 343–54, doi: 10.1002/cbm.1922.
- M. Hosseinzadeh et al., "Empirically Derived Dietary Patterns in Relation to Psychological Disorders," *Public Health Nutrition* 19, no. 2 (February 2016): 204–17, doi: 10.1017/S136898001500172X.
- 61. K. Niu et al., "A Tomato-Rich Diet Is Related to Depressive Symptoms among an Elderly Population Aged 70 Years and Over: A Population-Based, Cross-Sectional Analysis," *Journal of Affective Disorders* 144, nos. 1–2 (January 10, 2013): 165–70, doi: 10.1016/j .jad.2012.04.040.
- 62. G. Grosso et al., "Role of Omega-3 Fatty Acids in the Treatment of Depressive Disorders: A Comprehensive Meta-Analysis of Randomized Clinical Trials," *PLoS One* 9, no. 5 (May 7, 2014): e96905, doi: 10.1371/journal.pone.0096905; B. Hallahan et al., "Efficacy of Omega-3 Highly Unsaturated Fatty Acids in the Treatment of Depression," *British Journal of Psychiatry* 209, no. 3 (September 2016): 192–201, doi: 10.1192/bjp.bp.114.160242; J. G. Martins, "EPA but Not DHA Appears to Be Responsible for the Efficacy of Omega-3 Long Chain Polyunsaturated Fatty Acid Supplementation in Depression: Evidence from a Meta-Analysis of Randomized Controlled Trials," *Journal of the American College of Nutrition* 28, no. 5 (October 2009): 525–42.
- 63. D. J. Carpenter, "St. John's Wort and S-Adenosyl Methionine as 'Natural' Alternatives to Conventional Antidepressants in the Era of the Suicidality Boxed Warning: What Is the Evidence for Clinically Relevant Benefit?" *Alternative Medicine Review* 16, no. 1 (March 2011): 17–39; G. I. Papkostas et al., "S-Adenosyl Methionine (SAMe) Augmentation of Serotonin Reuptake Inhibitors for Antidepressant Nonresponders with Major Depressive

Disorder: A Double-Blind, Randomized Clinical Trial," *American Journal of Psychiatry* 167, no. 8 (August 2010): 942–8, doi: 10.1176/appi.ajp.2009.09081198; J. Sarris et al., "S-Adenosyl Methionine (SAMe) versus Escitalopram and Placebo in Major Depression RCT: Efficacy and Effects of Histamine and Carnitine as Moderators of Response," *Journal of Affective Disorders* 164 (August 2014): 76–81, doi: 10.1016/j.jad.2014.03.041.

- 64. J. Sarris et al., "Is S-Adenosyl Methionine (SAMe) for Depression Only Effective in Males? A Re-Analysis of Data from a Randomized Clinical Trial," *Pharmacopsychiatry* 48, nos. 4–5 (July 2015): 141–44, doi: 10.1055/s-0035-1549928.
- 65. A. L. Lopresti and P. D. Drummond, "Efficacy of Curcumin, and a Saffron/Curcumin Combination for the Treatment of Major Depression: A Randomised, Double-Blind, Placebo-Controlled Study," *Journal of Affective Disorders* 207 (January 1, 2017): 188–96, doi: 10.1016/j.jad.2016.09.047.
- 66. Z. Sepehrmanesh et al., "Vitamin D Supplementation Affects the Beck Depression Inventory, Insulin Resistance, and Biomarkers of Oxidative Stress in Patients with Major Depressive Disorder: A Randomized, Controlled Clinical Trial," *Journal of Nutrition* 146, no. 2 (February 2016): 243–48, doi: 10.3945/jn.115.218883; H. Mozaffari-Khosravi et al., "The Effect of 2 Different Single Injections of High Dose of Vitamin D on Improving the Depression in Depressed Patients with Vitamin D Deficiency: A Randomized Clinical Trial," *Journal of Clinical Psychopharmacology* 33, no. 3 (June 2013): 378–85, doi: 10.1097 /JCP.0b013e31828f619a.
- 67. Ackermann and Williams, "Rational Treatment Choices for Non-Major Depressions in Primary Care: An Evidence-Based Review," 293–301.
- 68. A. S. Yeung et al., "A Pilot Study of Acupuncture Augmentation Therapy in Antidepressant Partial and Non-Responders with Major Depressive Disorder," *Journal of Affective Disorders* 130, nos. 1–2 (April 2011): 285–89, doi: 10.1016/j.jad.2010.07.025; J. Wu et al., "Acupuncture for Depression: A Review of Clinical Applications," *Canadian Journal of Psychiatry* 57, no. 7 (July 2012): 397–405, doi: 10.1177/070674371205700702.
- 69. G. I. Papakostas et al., "L-Methylfolate as Adjunctive Therapy for SSRI-Resistant Major Depression: Results of Two Randomized, Double-Blind, Parallel-Sequential Trials," *American Journal of Psychiatry* 169, no. 12 (December 2012): 1267–74, doi: 10.1176/appi .ajp.2012.11071114.
- 70. A. S. de Sá Filho et al., "Potential Therapeutic Effects of Physical Exercise for Bipolar Disorder," CNS & Neurological Disorders Drug Targets 14, no. 10 (2015): 1255–59.
- R. K. McNamara et al., "Adolescents with or at Ultra-High Risk for Bipolar Disorder Exhibit Erythrocyte Docosahexaenoic Acid and Eicosapentaenoic Acid Deficits: A Candidate Prodromal Risk Biomarker," *Early Intervention in Psychiatry* 10, no. 3 (June 2016): 203–11, doi: 10.1111/eip.12282; J. Sarris et al., "Omega-3 for Bipolar Disorder: Meta-Analyses of Use in Mania and Bipolar Depression," *Journal of Clinical Psychiatry* 73, no. 1 (January 2012): 81–86, doi: 10.4088/JCP.10r06710.
- 72. A. P. Silva et al., "Measurement of the Effect of Physical Exercise on the Concentration of Individuals with ADHD," *PLoS One* 10, no. 3 (March 24, 2015): e0122119, doi: 10.1371 /journal.pone.012119; B. W. Tan et al., "A Meta-Analytic Review of the Efficacy of Physical Exercise Interventions on Cognition in Individuals with Autism Spectrum Disorder and ADHD," *Journal of Autism and Developmental Disorders* 46, no. 9 (September 2016): 3126–43, doi: 10.1007/s10803-016-2854-x; B. Hoza et al., "A Randomized Trial Examining the Effects of Aerobic Physical Activity on Attention-Deficit/Hyperactivity Disorder Symptoms in Young Children," *Journal of Abnormal Child Psychology* 43, no. 4 (May 2015): 655–67, doi: 10.1007/s10802-014-9929-y.
- 73. E. Hawkey and J. T. Nigg, "Omega3 Fatty Acid and ADHD: Blood Level Analysis and Meta-Analytic Extension of Supplementation Trials," *Clinical Psychology Review* 34, no. 6 (August 2014): 496–505, doi: 10.1016/j.cpr.2014.05.005; C. M. Milte et al., "Increased Erythrocyte Eicosapentaenoic Acid and Docosahexaenoic Acid Are Associated with Improved Attention and Behavior in Children with ADHD in a Randomized Controlled Three-Way Crossover Trial," *Journal of Attention Disorders* 19, no. 11 (November 2015): 954–64, doi: 10.1177/1087054713510562; K. Widenhorn-Müller et al., "Effect

of Supplementation with Long-Chain Ω3 Polyunsaturated Fatty Acids on Behavior and Cognition in Children with Attention Deficit/Hyperactivity Disorder (ADHD): A Randomized Placebo-Controlled Intervention Trial," *Prostaglandins, Leukotrienes, and Essential Fatty Acids* 91, nos. 1–2 (July–August 2014): 49–60, doi: 10.1016/j.plefa .2014.04.004; H. Perera et al., "Combined Ω3 and Ω6 Supplementation in Children with Attention-Deficit Hyperactivity Disorder (ADHD) Refractory to Methylphenidate Treatment: A Double-Blind, Placebo-Controlled Study," *Journal of Child Neurology* 27, no. 6 (June 2012): 747–53, doi: 10.1177/0883073811435243; D. J. Bos et al., "Reduced Symptoms of Inattention after Dietary Omega3 Fatty Acid Supplementation in Boys with and without Attention Deficit/Hyperactivity Disorder," *Neuropsychopharmacology* 40, no. 10 (September 2015): 2298–306, doi: 10.1038/npp.2015.73.

- 74. P. Toren et al., "Zinc Deficiency in Attention-Deficit Hyperactivity Disorder," *Biological Psychiatry* 40, no. 12 (December 15, 1996): 1308–10; O. Oner et al., "Effects of Zinc and Ferritin Levels on Parent and Teacher Reported Symptom Scores in Attention Deficit Hyperactivity Disorder," *Child Psychiatry and Human Development* 41, no. 4 (August 2010): 441–47, doi: 10.1007/s10578-010-0178-1; O. Yorbik et al., "Potential Effects of Zinc on Information Processing in Boys with Attention Deficit Hyperactivity Disorder," *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 32, no. 3 (April 1, 2008): 662–67, doi: 10.1016/j.pnpbp.2007.11.009; S. Akhondzadeh et al., "Zinc Sulfate as an Adjunct to Methylphenidate for the Treatment of Attention Deficit Hyperactivity Disorder in Children: A Double Blind and Randomized Trial," *BMC Psychiatry* 4 (April 8, 2004): 9, doi: 10.1186/1471-244X-4-9.
- M. Mousain-Bosc et al., "Improvement of Neurobehavioral Disorders in Children Supplemented with Magnesium-Vitamin B6. I. Attention Deficit Hyperactivity Disorders," *Magnesium Research* 19, no. 1 (March 2006): 46–52; M. Huss et al., "Supplementation of Polyunsaturated Fatty Acids, Magnesium and Zinc in Children Seeking Medical Advice for Attention-Deficit/Hyperactivity Problems—An Observational Cohort Study," *Lipids in Health and Disease* 9 (September 24, 2010): 105, doi: 10.1186/1476-511X-9-105.
- J. S. Halterman et al., "Iron Deficiency and Cognitive Achievement among School-Aged Children and Adolescents in the United States," *Pediatrics* 107, no. 6 (June 2001): 1381–86.
- 77. S. Hirayama et al., "The Effect of Phosphatidylserine Administration on Memory and Symptoms of Attention-Deficit Hyperactivity Disorder: A Randomised, Double-Blind, Placebo-Controlled Clinical Trial," *Journal of Human Nutrition & Dietetics* 27, Supplement 2 (April 2014): 284–91, doi: 10.1111/jhn.12090; I. Manor et al., "The Effect of Phosphatidylserine Containing Omega3 Fatty-Acids on Attention-Deficit Hyperactivity Disorder Symptoms in Children: A Double-Blind Placebo-Controlled Trial, Followed by an Open-Label Extension," *European Psychiatry* 27, no. 5 (July 2012): 335–42, doi: 10.1016 /j.eurpsy.2011.05.004.
- L. Chen et al., "Eye Movement Desensitization and Reprocessing versus Cognitive-Behavioral Therapy for Adult Posttraumatic Stress Disorder: Systematic Review and Meta-Analysis," *Journal of Nervous and Mental Disease* 203, no. 6 (June 2015): 443–51, doi: 10.1097/NMD.000000000000306.
- D. J. Kearney et al., "Loving-Kindness Meditation for Posttraumatic Stress Disorder: A Pilot Study," *Journal of Traumatic Stress* 26, no. 4 (August 2013): 426–34, doi: 10.1002 /jts.21832; D. J. Kearney et al., "Loving-Kindness Meditation and the Broaden-and-Build Theory of Positive Emotions among Veterans with Posttraumatic Stress Disorder," *Medical Care* 52, Supplement 5 (December 2014): S32–S38, doi: 10.1097/MLR .00000000000221.
- Mayo Clinic Staff, "Exercise and Stress: Get Moving to Manage Stress," Mayo Clinic website, accessed April 29, 2018, http://www.mayoclinic.org/healthy-lifestyle /stress-management/in-depth/exercise-and-stress/art-20044469.
- 81. J. N. Belding et al., "Social Buffering by God: Prayer and Measures of Stress," *Journal of Religion and Health* 49, no. 2 (June 2010): 179–87, doi: 10.1055/s-0042-116159.
- K. Bluth et al., "A Pilot Study of a Mindfulness Intervention for Adolescents and the Potential Role of Self-Compassion in Reducing Stress," *Explore (NY)* 11, no. 4

(July–August 2015): 292–95, doi: 10.1016/j.explore.2015.04.005; W. Turakitwanakan et al., "Effects of Mindfulness Meditation on Serum Cortisol of Medical Students," *Journal of the Medical Association of Thailand* 96, Supplement 1 (January 2013): S90–95.

- A. Ghajar et al., "Crocus sativus L. versus Citalopram in the Treatment of Major Depressive Disorder with Anxious Distress: A Double-Blind, Controlled Clinical Trial," *Pharmacopsychiatry* 50, no. 4 (July 2017): 152–60, doi: 10.1055/s-0042-116159; H. Fukui et al., "Psychological and Neuroendocrinological Effects of Odor of Saffron (Crocus sativus)," *Phytomedicine* 18, nos. 8–9 (June 15, 2011): 726–30, doi: 10.1016/j.phymed .2010.11.013.
- R. A. Emmons and M. E. McCullough, "Counting Blessings versus Burdens: An Experimental Investigation of Gratitude and Subjective Well-Being in Daily Life," *Journal of Personality and Social Psychology* 84, no. 2 (February 2003): 377–89.
- M. Ingall, "Chocolate Can Do Good Things for Your Heart, Skin and Brain," December 22, 2006, *Health*, posted on CNN website, http://www.cnn.com/2006/HEALTH/12/20/health .chocolate/.
- 86. Deutches Aertzeblatt International, "The Healing Powers of Music: Mozart and Strauss for Treating Hypertension," June 20, 2016, *ScienceDaily*, https://www.sciencedaily.com /releases/2016/06/160620112512.htm.
- 87. E. Brodwin, "Psychologists Discover the Simplest Way to Boost Your Mood," *Business Insider*, April 3, 2015, http://www.businessinsider.com/how-to-boost-your-mood-2015-4.
- K. Kimura et al., "L-Theanine Reduces Psychological and Physiological Stress Responses," *Biological Psychology* 74, no. 1 (January 2007): 39–45, doi: 10.1016/j .biopsycho.2006.06.006.
- M. Rudd et al., "Awe Expands People's Perception of Time, Alters Decision Making, and Enhances Well-Being," *Psychological Science* 23, no. 10 (October 1, 2012): 1130–36, doi: 10.1177/0956797612438731.
- 90. Y. Miyazaki et al., "Preventive Medical Effects of Nature Therapy," *Nihon Eiseigaku Zasshi* 66, no. 4 (September 2011): 651–56.
- G. N. Bratman et al., "Nature Experience Reduces Rumination and Subgenual Prefrontal Cortex Activation," *Proceedings of the National Academy of Sciences of the United States of America* 112, no. 28 (July 14, 2015): 8567–72, doi: 10.1073/pnas.1510459112.
- S. Slon, "7 Health Benefits of Going Barefoot Outside," MindBodyGreen website, March 29, 2012, http://www.mindbodygreen.com/0-4369/7-Health-Benefits-of-Going-Barefoot -Outside.html.
- L. Taruffi and S. Koelsch, "The Paradox of Music-Evoked Sadness: An Online Survey," PLoS ONE 9, no. 10 (October 20, 2014): e110490, doi: 10.1371/journal.pone.0110490.
- Y. H. Liu et al., "Effects of Music Listening on Stress, Anxiety, and Sleep Quality for Sleep-Disturbed Pregnant Women," *Women & Health* 56, no. 3 (2016): 296–311, doi: 10.1080/03630242.2015.1088116.
- 95. T. Bradberry, "How Complaining Rewires Your Brain for Negativity," *HuffPost* (blog), December 26, 2016, http://www.huffingtonpost.com/dr-travis-bradberry/how -complaining-rewires-y\_b\_13634470.html.
- "Can You Catch Depression? Being Surrounded by Gloomy People Can Make You Prone to Illness," *Daily Mail* website, April 19, 2013, http://www.dailymail.co.uk/health/article -2311523/Can-CATCH-depression-Being-surrounded-gloomy-people-make-prone -illness-say-scientists.html.
- R. T. Howell et al., "Momentary Happiness: The Role of Psychological Need Satisfaction," Journal of Happiness Studies 12, no. 1 (March 2011): 1–15.
- 98. C. Gregoire, "Older People Are Happier Than You. Why?" *Huffington Post*, posted on CNN website, April 24, 2015, http://www.cnn.com/2015/04/24/health/old-people-happy/.
- M. Mela et al., "The Influence of a Learning to Forgive Programme on Negative Affect among Mentally Disordered Offenders," *Criminal Behaviour and Mental Health* 27, no. 2 (April 2017): 162–75, doi: 10.1002/cbm.1991.

- 100. L. Bolier et al., "Positive Psychology Interventions: A Meta Analysis of Randomized Controlled Studies," *BMC Public Health* 13 (February 8, 2013): 119, doi: 10.1186/1471-2458-13-119.
- 101. P. Bentley, "What Really Makes Us Happy? How Spending Time with Your Friends Is Better for You Than Being with Family," *Daily Mail*, June 30, 2013, http://www.dailymail .co.uk/news/article-2351870/What-really-makes-happy-How-spending-time-friends -better-family.html.
- 102. D. G. Blanchflower and A. J. Oswald, "Money, Sex and Happiness: An Empirical Study," Scandinavian Journal of Economics 106, no. 3 (2004): 393–415, doi: 10.3386/w10499.
- 103. Purcell, "The Health Benefits of Journaling," PsychCentral website, accessed April 30, 2018, http://psychcentral.com/lib/the-health-benefits-of-journaling/.
- 104. "Cancers Associated with Overweight and Obesity Make Up 40 Percent of Cancers Diagnosed in the United States," Centers for Disease Control and Prevention website, October 3, 2017, https://www.cdc.gov/media/releases/2017/p1003-vs-cancer-obesity. html.
- 105. G. Kolata, "Under New Guidelines, Millions More Americans Will Need to Lower Blood Pressure," New York Times, November 13, 2017, https://www.nytimes.com/2017/11/13 /health/blood-pressure-treatment-guidelines.html?\_r=0; S. Scutti, "Nearly Half of Americans Now Have High Blood Pressure, Based on New Guidelines," CNN website, November 14, 2017, https://www.cnn.com/2017/11/13/health/new-blood-pressure -guidelines/index.html.
- 106. P. K. Elias et al., "Serum Cholesterol and Cognitive Performance in the Framingham Heart Study," *Psychosomatic Medicine* 67, no. 1 (January–February 2005): 24–30, doi: 10.1097/01.psy.0000151745.67285.c2.
- 107 M. M. Mielke et al., "High Total Cholesterol Levels in Late Life Associated with a Reduced Risk of Dementia," *Neurology* 64, no. 10 (May 24, 2005): 1689–95, doi: 10.1212 /01.WNL.0000161870.78572.A5; A. W. Weverling-Rijnsburger et al., "Total Cholesterol and Risk of Mortality in the Oldest Old," *Lancet* 350, no. 9085 (October 18, 1997): 1119–23.