

- [9] %V. M. Linnoila and M. Virkkunen, "Aggression, Suicidality, and Serotonin," *Journal of Clinical Psychiatry*, Vol. 53, Suppl. 10, 1992, pp. 46-51.
- [10] %J. J. Mann and V. Arango, "Integration of Neurobiology and Psychopathology in a Unified Model of Suicidal Behavior," *Journal of Clinical Psychopharmacology*, Vol. 12, Suppl. 2, 1992, pp. 2S-7S.
- [11] %V. Arango, M. D. Underwood, A. V. Gubbi and J. J. Mann, "Localized Alterations in Preand Postsynaptic Serotonin Binding Sites in the Ventrolateral Prefrontal Cortex of Suicide Victims," *Brain Research*, Vol. 688, No. 1-2, 1995, pp. 121-133. doi:10.1016/0006-8993(95)00523-S
- [12] %H. Arita, "Brain Mechanisms of Poor Anger Management," *Japan Medical Association Journal*, Vol. 52, No. 3, 2009, pp.184-90.
- [13] %H. Arita, "The Neuroscience of Suicide (in Japanese)," *Brain and Nerve*, Vol. 64, 2012, No. 8, pp. 929-935.
- [14] %S. Chiavegatto, I. M. Quadros, G. Ambar and K. A. Miczek, "Individual Vulnerability to Escalated Aggressive Behavior by a Low Dose of Alcohol: Decreased Serotonin Receptor mRNA in the Prefrontal Cortex of Male Mice," *Genes, Brain and Behavior*, Vol. 9, No. 1, 2010, pp. 110-119. doi:10.1111/j.1601-183X.2009.00544.x
- [15] %M. Leyton, V. Paquette, P. Gravel, P. Rosa-Neto, F. Weston, M. Diksic and C. Benkelfat, "Alpha-[11C]methyl-Ltryptophan Trapping in the Orbital and Ventral Medial Prefrontal Cortex of Suicide Attempters," *European Neuropsychopharmacology*, Vol. 16, No. 3, 2006, 220-223. doi:10.1016/j.euroneuro.2005.09.006
- [16] %C. A. Stockmeier, L. A. Shapiro, G. E. Dilley, T. N. Kolli, L. Friedman and G. Rajkowska, "Increase in Serotonin- 1A Autoreceptors in the Midbrain of Suicide Victims with Major Depression-Postmortem Evidence for Decreased Serotonin Activity," *Journal of Neuroscience*, Vol. 18, No. 18, 1998, pp. 7394-7401.
- [17] %J. S. Sprouse and G. K. Aghajanian, "(-)-Propranolol Blocks the Inhibition of Serotonergic Dorsal Raphe Cell Firing by 5-HT1A Selective Agonists," *European Journal of Pharmacology*, Vol. 128, No. 3, 1986, pp. 295-298. doi:10.1016/0014-2999(86)90782-X
- [18] %M. Boldrini, M. D. Underwood, J. J. Mann and V. Arango, "Serotonin-1A Autoreceptor Binding in the Dorsal Raphe Nucleus of Depressed Suicides," *Journal of Psychiatric Research*, Vol. 42, No. 6, 2008, pp. 433-442. doi:10.1016/j.jpsychires.2007.05.004
- [19] %M. Pompili, G. Serafini, M. Innamorati, A. M. M?ller- Leimk?hler, G. Giupponi, P. Girardi, R. Tatarelli and D. Lester, "The Hypothalamic-Pituitary-Adrenal Axis and Serotonin Abnormalities: A Selective Overview for the Implications of Suicide Prevention," *European Archives of Psychiatry and Clinical Neuroscience*, Vol. 260, No. 8, 2010, pp. 583-600. doi:10.1007/s00406-010-0108-z
- [20] %K. M. Carlin, W. W. Vale and T. L. Bale, "Vital Functions of Corticotropin-Releasing Factor (CRF) Pathways in Maintenance and Regulation of Energy Homeostasis," *Proceedings of the National Academy of Sciences of the United States of America*, Vol. 103, No. 9, 2006, pp. 3462- 3467. doi:10.1073/pnas.0511320103
- [21] %M. Waselus, R. J. Valentino and E. J. Van Bockstaele, "Ultrastructural Evidence for a Role of Gamma-Aminobutyric Acid in Mediating the Effects of Corticotropin- Releasing Factor on the Rat Dorsal Raphe Serotonin System," *Journal of Comparative Neurology*, Vol. 482, No. 2, 2005, pp. 155-165. doi:10.1002/cne.20360
- [22] %L. G. Kirby, E. Freeman-Daniels, J. C. Lemos, J. D. Nunan, C. Lamy, A. Akanwa and S. G. Beck, "Corticotropin-Releasing Factor Increases GABA Synaptic Activity and Induces Inward Current in 5-Hydroxytryptamine Dorsal Raphe Neurons," *The Journal of Neuroscience*, Vol. 28, No. 48, 2008, pp. 12927-12937. doi:10.1523/JNEUROSCI.2887-08.2008
- [23] %E. G. Meloni, A. V. Jackson, B. M. Cohen and W. A. Carlezon, Jr, "Corticotropin-Releasing Factor from the Rat Brain Measured by Protein Immunoblot," *Peptides*, Vol. 26, No. 11, 2005, pp. 2252-2256. doi:10.1016/j.peptides.2005.04.011
- [24] %J. C. Geerling, J.-W. Shin, P. C. Chimenti and A. D. Loewy, "Paraventricular Hypothalamic Nucleus: Axonal Projections to the Brainstem," *Journal of Comparative Neurology*, Vol. 518, No. 9, 2010, pp. 1460-1499. doi:10.1002/cne.22283
- [25] %G. E. Alexander, M. R. DeLong and P. L. Strick, "Parallel Organization of Functionally Segregated Circuits Linking Basal Ganglia and Cortex," *Annual Review of Neuroscience*, Vol. 9, 1986, pp. 357-

- [26] %S. Tekin and J. L. Cummings, " Frontal-Subcortical Neuronal Circuits and Clinical Neuropsychiatry: An Update," Journal of Psychosomatic Research, Vol. 53, No. 2, 2002, pp. 647-654. doi:10.1016/S0022-3999(02)00428-2
- [27] %N. Schweighofer, M. Bertin, K. Shishida, Y. Okamoto, S. C. Tanaka, S. Yamawaki and K. Doya, " Low-Serotonin Levels Increase Delayed Reward Discounting in Humans," The Journal of Neuroscience, Vol. 28, No. 17, 2008, pp. 4528-4532. doi:10.1523/JNEUROSCI.4982-07.2008
- [28] %A. R. Smith, T. K. Witte, N. E. Teale, S. L. King, T. W. Bender and T. E. Joiner, " Revisiting Impulsivity in Suicide: Implications for Civil Liability of Third Parties," Behavioral Sciences & the Law, Vol. 26, No. 6, 2008, pp. 779-797. doi:10.1002/bsl.848
- [29] %D. M. Dougherty, C. W. Mathias, D. M. Marsh, T. D. Papageorgiou, A. C. Swann and F. G. Moeller, " Laboratory Measured Behavioral Impulsivity Relates to Suicide Attempt History," Suicide and Life-Threatening Behavior, Vol. 34, No. 4, 2004, pp. 374-385. doi:10.1521/suli.34.4.374.53738
- [30] %S. C. Tanaka, K. Doya, G. Okada, K. Ueda, Y. Okamoto and S. Yamawaki, " Prediction of Immediate and Future Rewards Differentially Recruits Cortico-Basal Ganglia Loops," Nature Neuroscience, Vol. 7, No. 8, 2004, pp. 887-893. doi:10.1038/nn1279
- [31] %V. Roman, I. Walstra, P. G. Luiten and P. Meerlo, " Too Little Sleep Gradually Desensitizes the Serotonin 1A Receptor System," Sleep, Vol. 28, No. 12, 2005, pp. 1505- 1510.
- [32] %V. Roman, R. Hagewoud, P. G. M. Luiten and P. Meerlo, " Differential Effects of Chronic Partial Sleep Deprivation and Stress on Serotonin-1A and Muscarinic Acetylcholine Receptor Sensitivity," Journal of Sleep Research, Vol. 15, No. 4, 2006, pp. 386-394. doi:10.1111/j.1365-2869.2006.00555.x
- [33] %A. Novati, V. Roman, T. Cetin, R. Hagewoud, J. A. den Boer, P. G. Luiten and P. Meerlo, " Chronically Restricted Sleep Leads to Depression-Like Changes in Neurotransmitter Receptor Sensitivity and Neuroendocrine Stress Reactivity in Rats," Sleep, Vol. 31, No. 11, 2008, pp. 1579- 1585.
- [34] %J. P. Gardner, C. A. Fornal and B. L. Jacobs, " Effects of Sleep Deprivation on Serotonergic Neuronal Activity in the Dorsal Raphe Nucleus of the Freely Moving Cat," Neuropsychopharmacology, Vol. 17, No. 2, 1997, pp. 72-81. doi:10.1016/S0893-133X(97)00025-0
- [35] %R. B. Machado, S. Tufik and D. Suchecki, " Chronic Stress during Paradoxical Sleep Deprivation Increases Paradoxical Sleep Rebound: Association with Prolactin Plasma Levels and Brain Serotonin Content," Psychoneuroendocrinology, Vol. 33, No. 9, 2008, pp. 1211-1224. doi:10.1016/j.psyneuen.2008.06.007
- [36] %C. M. Portas, B. Bjorvatn and R. Ursin, " Serotonin and the Sleep/Wake Cycle: Special Emphasis on Microdialysis Studies," Progress in Neurobiology, Vol. 60, No. 1, 2000, pp. 13-35. doi:10.1016/S0301-0082(98)00097-5
- [37] %F. R. Cagampang, S. Yamazaki, Y. Otori and S. I. Inouye, " Serotonin in the Raphe Nuclei: Regulation by Light and an Endogenous Pacemaker," Neuroreport, Vol. 5, No. 1, 1993, pp. 49-52. doi:10.1097/00001756-199310000-00012
- [38] %B. L. Jacobs and E. C. Azmitia, " Structure and Function of the Brain Serotonin System," Physiological Reviews, Vol. 72, No. 1, 1992, pp. 165-229
- [39] %American Academy of Sleep Medicine, " The International Classification of Sleep Disorder," 2nd Edition, American Academy of Sleep Medicine, Westchester, 2005.
- [40] %C. L. Turvey, Y. Conwell, M. P. Jones, C. Phillips, E. Simonsick, J. L. Pearson and R. Wallace, " Risk Factors for Late-Life Suicide: A Prospective, Community-Based Study," American Journal of Geriatric Psychiatry, Vol. 10, No. 4, 2002, pp. 398-406. doi:10.1176/appi.ajgp.10.4.398
- [41] %Y. Fujino, T. Mizoue, N. Tokui and T. Yoshimura, " Prospective Cohort Study of Stress, Life Satisfaction, Self- Rated Health, Insomnia, and Suicide Death in Japan," Suicide and Life-Threatening Behavior, Vol. 35, No. 2, 2005, pp. 227-237. doi:10.1521/suli.35.2.227.62876
- [42] %R. A. Bernert and T. E. Joiner, " Sleep Disturbances and Suicide Risk: A Review of the Literature," Neuropsychiatric disease and treatment, Vol. 3, No. 6, 2007, pp. 735- 743
- [43] %M. Y. Agargun, A. S. Cilli, H. Kara, N. Tarhan, N. T. Kincir and H. Oz, " Repetitive and Frightening Dreams and Suicidal Behavior in Patients with Major Depression," Comprehensive Psychiatry, Vol. 39, No. 4, 1998, pp. 198-202. doi:10.1016/S0010-440X(98)90060-8

- [44] %M. Y. Agargun and H. Kara, "Recurrent Sleep Panic, Insomnia, and Suicidal Behavior in Patients with Panic Disorder," *Comprehensive Psychiatry*, Vol. 39, No. 3, 1998, pp. 149-151. doi:10.1016/S0010-440X(98)90074-8
- [45] %R. K. Singareddy and R. Balon, "Sleep and Suicide in Psychiatric Patients," *Annals of Clinical Psychiatry*, Vol. 13, No. 2, 2001, pp. 93-101. doi:10.3109/10401230109148954
- [46] %M. Wojnar, M. A. Ilgen, J. Wojnar, R. J. McCammon, M. Valenstein and K. J. Brower, "Sleep Problems and Suicidality in the National Comorbidity Survey Replication," *Journal of Psychiatric Research*, Vol. 43, No. 5, 2009, pp. 526-531. doi:10.1016/j.jpsychires.2008.07.006
- [47] %X. Liu, "Sleep and Adolescent Suicidal Behavior," *Sleep*, Vol. 27, No. 7, 2004, pp. 1351-1358.
- [48] %S. S. Yoo, N. Gujar, P. Hu, F. A. Jolesz and M. P. Walker, "The Human Emotional Brain without Sleep—A Prefrontal Amygdala Disconnect. Sleep-Deprivation Causes an Emotional Brain 'Disconnect'," *Current Biology*, Vol. 17, No. 20, 2007, pp. R877-R878. doi:10.1016/j.cub.2007.08.007
- [49] %W. R. Pigeon, M. Pinquart and K. Conner, "Meta-Analysis of Sleep Disturbance and Suicidal Thoughts and Behavior," *Journal of Clinical Psychiatry*, Vol. 73, No. 9. pp. e1160-e1167. doi:10.4088/JCP.11r07586
- [50] %D. Stuckler, S. Basu, M. Suhrcke, A. Coutts and M. McKee, "Effects of the 2008 Recession on Health: A First Look at European Data," *Lancet*, Vol. 378, No. 9786, 2011, pp. 124-125. doi:10.1016/S0140-6736(11)61079-9
- [51] %M. Economou, M. Madianos, C. Theleritis, L. E. Peppou and C. N. Stefanis, "Increased Suicidality amid Economic Crisis in Greece," *Lancet*, Vol. 378, No. 9801, 2011, p. 1459. doi:10.1016/S0140-6736(11)61638-3
- [52] %K. N. Fountoulakis, I. A. Grammatikopoulos, S. A. Koupidis, M. Siamouli and P. N. Theodorakis, "Health and the Financial Crisis in Greece," *Lancet*, Vol. 379, No. 9820, 2012, pp. 1001-1002. doi:10.1016/S0140-6736(12)60422-X
- [53] %Y. Honkawa, "Number of Suicide by Occupation," 2012, <http://www2.ttcn.ne.jp/honkawa/2740-2.html>
- [54] %Y. Honkawa, "Alteration of Rate of Unemployed," 2012. <http://www2.ttcn.ne.jp/honkawa/3080.html>
- [55] %OECD, "Better Life Index," 2012. <http://www.oecdbetterlifeindex.org/>
- [56] %Japan Productivity Center, "International Comparison on Labor Productivity," 2011. http://www.jpc-net.jp/intl_comparison/intl_comparison_2011.pdf
- [57] %Broadcasting Culture Research Institute, "Basic Survey on Social Life in Japan, 2010," 2011. <http://www.nhk.or.jp/bunken/summary/yoron/lifetime/pdf/110223.pdf>
- [58] %J. Kohyama, T. Shiiki, J. O. Sugimoto and T. Hasegawa, "Potentially Harmful Sleep Habits of 3-Year-Old Children in Japan," *Journal of Developmental and Behavioral Pediatrics*, Vol. 23, No. 2, 2002, pp. 67-70. doi:10.1097/00004703-200204000-00001
- [59] %J. Kohyama, "Neurochemical and Neuropharmacological Aspects of Circadian Disruptions: An Introduction to Asynchronization," *Current Neuropharmacology*, Vol. 9, No. 2, 2011, pp. 330-341. doi:10.2174/157015911795596522
- [60] %M. A. Carskadon and W. C. Dement, "Normal Human Sleep: An Overview," In: M. H. Kryger, T. Roth and W. C. Dement, Eds., *Principles and Practice of Sleep Medicine*, Elsevier Saunders, Philadelphia, 2005, pp. 13-23. doi:10.1016/B0-72-160797-7/50009-4
- [61] %P. Lavie, "Ultradian Rhythms: Gates of Sleep and Wakefulness," In: H. Schulz and P. Lavie, Eds., *Ultradian Rhythms in Physiology and Behavior*, Springer-Verlag, New York, 1985, pp. 148-164. doi:10.1007/978-3-642-70483-3_11
- [62] %S. N. Young, "How to Increase Serotonin in the Human Brain without Drugs," *Journal of Psychiatry and Neuroscience*, Vol. 32, No. 6, 2007, pp. 394-399.
- [63] %N. Shiota, N. Narikiyo, A. Masuda, T. Tsuruoka and S. Aou, "Neural Mechanisms of Self-Care Behavior: Grooming-Related Changes in Serotonin and Dopamine in the Rat Prefrontal Cortex,"

- [64] %O. Petre-Quadens, " Sleep in Mental Retardation, " In: C. D. Clemente, D. P. Purpura and F. E. Mayer, Eds., Sleep and maturing nervous system, Academic Press, New York, 1972, pp. 384-417.
- [65] %L. Curzi-Dascalova, " Developmental Trend of Sleep Characteristics in Premature and Full-Term Newborns, " In: O. P. Mathew, Ed., Respiratory Control and Disorders in the Newborn, Marcel Dekker, New York, 2002, pp. 149-181.
- [66] %E. Werth, P. Achermann and A. A. Borbely, " Selective REM Sleep Deprivation during Daytime II.