

BAGIAN AKHIR

DAFTAR PUSTAKA

- Abdul Jafar, N. K., Tham, E. K. H., Pang, W. W., Fok, D., Chua, M. C., Teoh, O.-H., Goh, D. Y. T., Shek, L. P.-C., Yap, F., Tan, K. H., Gluckman, P. D., Chong, Y.-S., Meaney, M. J., Broekman, B. F. P., & Cai, S. (2021). Association between breastfeeding and sleep patterns in infants and preschool children. *The American Journal of Clinical Nutrition*, *114*(6), 1986–1996. <https://doi.org/https://doi.org/10.1093/ajcn/nqab297>
- Abraham, C., & Medzhitov, R. (2011). Interactions Between the Host Innate Immune System and Microbes in Inflammatory Bowel Disease. *Gastroenterology*, *140*(6), 1729–1737. <https://doi.org/10.1053/j.gastro.2011.02.012>
- Ahire, J. J., Jakkamsetty, C., Kashikar, M. S., Lakshmi, S. G., & Madempudi, R. S. (2021). In vitro evaluation of probiotic properties of *Lactobacillus plantarum* UBLP40 isolated from traditional indigenous fermented food. *Probiotics and Antimicrobial Proteins*, *13*(5), 1413–1424.
- Arbolea, S., Binetti, A., Salazar, N., Fernández, N., Solís, G., Hernández-Barranco, A., Margolles, A., de los Reyes-Gavilán, C. G., & Gueimonde, M. (2012). Establishment and development of intestinal microbiota in preterm neonates. *FEMS Microbiology Ecology*, *79*(3), 763–772. <https://doi.org/10.1111/j.1574-6941.2011.01261.x>
- Arifin, A. R., Dan, R., & Burhan, E. (n.d.). *Fisiologi Tidur dan Pernapasan*.
- Arifin, Z. (2011). Analisis hubungan kualitas tidur dengan kadar glukosa darah pasien diabetes mellitus tipe 2 di rumah sakit umum Propinsi Nusa Tenggara Barat. *Jakarta: Universitas Indonesia*.
- Arrieta, M.-C., Stiemsma, L. T., Amenyogbe, N., Brown, E. M., & Finlay, B. (2014). The Intestinal Microbiome in Early Life: Health and Disease. *Frontiers in Immunology*, *5*. <https://doi.org/10.3389/fimmu.2014.00427>
- Badran, M., Mashaqi, S., & Gozal, D. (2020). The gut microbiome as a target for adjuvant therapy in obstructive sleep apnea. In *Expert Opinion on Therapeutic Targets* (Vol. 24, Issue 12, pp. 1263–1282). Taylor and Francis Ltd. <https://doi.org/10.1080/14728222.2020.1841749>
- Baker, P., Santos, T., Neves, P. A., Machado, P., Smith, J., Piwoz, E., Barros, A. J. D., Victora, C. G., & McCoy, D. (2021). First-food systems transformations and the ultra-processing of infant and young child diets: The determinants, dynamics and consequences of the global rise in commercial milk formula consumption. *Maternal & Child Nutrition*, *17*(2), e13097. <https://doi.org/https://doi.org/10.1111/mcn.13097>
- Baranwal, N., Yu, P. K., & Siegel, N. S. (2023). Sleep physiology, pathophysiology, and sleep hygiene. *Progress in Cardiovascular Diseases*, *77*, 59–69. <https://doi.org/https://doi.org/10.1016/j.pcad.2023.02.005>
- Barbara, G., Stanghellini, V., Brandi, G., Cremon, C., Nardo, G. Di, De Giorgio, R., & Corinaldesi, R. (2005). Interactions between commensal bacteria and gut sensorimotor function in health and disease. In *American Journal of Gastroenterology* (Vol. 100, Issue 11, pp. 2560–2568). <https://doi.org/10.1111/j.1572-0241.2005.00230.x>
- Belizário, J. E., & Faintuch, J. (2018). Microbiome and Gut Dysbiosis. *Experientia Supplementum* (2012), *109*, 459–476. https://doi.org/10.1007/978-3-319-74932-7_13

- Benson, A. K., Kelly, S. A., Legge, R., Ma, F., Low, S. J., Kim, J., Zhang, M., Oh, P. L., Nehrenberg, D., Hua, K., Kachman, S. D., Moriyama, E. N., Walter, J., Peterson, D. A., & Pomp, D. (2010). Individuality in gut microbiota composition is a complex polygenic trait shaped by multiple environmental and host genetic factors. *Proceedings of the National Academy of Sciences of the United States of America*, *107*(44), 18933–18938. <https://doi.org/10.1073/pnas.1007028107>
- Berry, R. B. (2012). Chapter 28 - Parasomnias. In R. B. Berry (Ed.), *Fundamentals of Sleep Medicine* (pp. 567–591). W.B. Saunders. <https://doi.org/https://doi.org/10.1016/B978-1-4377-0326-9.00028-2>
- Berson, D. M., Dunn, F. A., & Takao, M. (2002). Phototransduction by Retinal Ganglion Cells That Set the Circadian Clock. *Science*, *295*(5557), 1070–1073. <https://doi.org/10.1126/science.1067262>
- Bezirtzoglou, E., Tsiotsias, A., & Welling, G. (2011). Microbiota profile in feces of breast- and formula-fed newborns by using Fluorescence In situ Hybridization (FISH). *Anaerobe*, *17*, 478–482. <https://doi.org/10.1016/j.anaerobe.2011.03.009>
- Biasucci, G., Rubini, M., Riboni, S., Morelli, L., Bessi, E., & Retetangos, C. (2010). Mode of delivery affects the bacterial community in the newborn gut. *Early Human Development*, *86*(1, Supplement), 13–15. <https://doi.org/https://doi.org/10.1016/j.earlhumdev.2010.01.004>
- Bollu, P. C. (2019, November 5). *Normal Sleep, Sleep Physiology, and Sleep Deprivation*. Medscape.
- Bouvette-Turcot, A.-A., Pluess, M., Bernier, A., Pennestri, M.-H., Levitan, R., Sokolowski, M. B., Kennedy, J. L., Minde, K., Steiner, M., Pokhvisneva, I., Meaney, M. J., Gaudreau, H., & team, on behalf of the M. research. (2015). Effects of Genotype and Sleep on Temperament. *Pediatrics*, *136*(4), e914–e921. <https://doi.org/10.1542/peds.2015-0080>
- Bruce M. Altevogt., & Harvey R. Colte. (2006). *Sleep Disorders and Sleep Deprivation: An Unmet Public Health Problem*. National Academies Press.
- Bu, Y., Liu, Y., Liu, Y., Wang, S., Liu, Q., Hao, H., & Yi, H. (2022). Screening and probiotic potential evaluation of bacteriocin-producing *Lactiplantibacillus plantarum* in vitro. *Foods*, *11*(11), 1575.
- Buckley, T. M., & Schatzberg, A. F. (2005). On the Interactions of the Hypothalamic-Pituitary-Adrenal (HPA) Axis and Sleep: Normal HPA Axis Activity and Circadian Rhythm, Exemplary Sleep Disorders. *The Journal of Clinical Endocrinology & Metabolism*, *90*(5), 3106–3114. <https://doi.org/10.1210/jc.2004-1056>
- Bull, M. J., & Plummer, N. T. (2014). Part 1: The Human Gut Microbiome in Health and Disease. In *Integrative Medicine* • (Vol. 13, Issue 6).
- Canani, R. B., Costanzo, M. Di, Leone, L., Pedata, M., Meli, R., & Calignano, A. (2011). Potential beneficial effects of butyrate in intestinal and extraintestinal diseases. *World Journal of Gastroenterology*, *17*(12), 1519–1528. <https://doi.org/10.3748/wjg.v17.i12.1519>
- Carabotti, M., Scirocco, A., Antonietta Maselli, M., & Severi, C. (2015). *The gut-brain axis: interactions between enteric microbiota, central and enteric nervous systems* (Vol. 28). www.annalsgastro.gr
- Carley, D. W., & Farabi, S. S. (2016). Physiology of Sleep. *Diabetes Spectrum*, *29*(1), 5–9. <https://doi.org/10.2337/diaspect.29.1.5>
- Carroll, J. L., McColley, S. A., Marcus, C. L., Curtis, S., & Loughlin, G. M. (1995). Inability of clinical history to distinguish primary snoring from obstructive sleep apnea syndrome in children. *Chest*, *108*(3), 610–618.

- Carskadon, M. A., & Dement, W. C. (2005). *Chapter 2 - Normal Human Sleep: An Overview*. <https://api.semanticscholar.org/CorpusID:141644237>
- Carskadon, M., & Dement, W. (1989). Normal Human Sleep: An Overview. Principles and Practice of Sleep Medicine. M.H. Kryger (Ed.). *W.B. Saunders, Philadelphia*, 3–13.
- Chang, Y. H., Jeong, C. H., Cheng, W. N., Choi, Y., Shin, D. M., Lee, S., & Han, S. G. (2021). Quality characteristics of yogurts fermented with short-chain fatty acid-producing probiotics and their effects on mucin production and probiotic adhesion onto human colon epithelial cells. *Journal of Dairy Science*, *104*(7), 7415–7425.
- Chawla, J. K., Bernard, A., Heussler, H., & Burgess, S. (2021). Sleep, Function, Behaviour and Cognition in a Cohort of Children with Down Syndrome. *Brain Sciences*, *11*(10). <https://doi.org/10.3390/brainsci11101317>
- Chew, C., Matsuyama, M., Davies, P. S. W., Hill, R. J., Morrison, M., Martin, R., Codoñer, F. M., Knol, J., & Roeselers, G. (2024). A young child formula supplemented with a synbiotic mixture of scGOS/lcFOS and Bifidobacterium breve M-16V improves the gut microbiota and iron status in healthy toddlers. *Frontiers in Pediatrics*, *12*. <https://doi.org/10.3389/fped.2024.1193027>
- Chu, D., Antony, K., Ma, J., Prince, A., Showalter, L., Moller, M., & Aagaard, K. (2016). The early infant gut microbiome varies in association with a maternal high-fat diet. *Genome Medicine*, *8*. <https://doi.org/10.1186/s13073-016-0330-z>
- Chua, M. C., Ben-Amor, K., Lay, C., Goh, A. E. N., Chiang, W. C., Rao, R., Chew, C., Chaithongwongwatthana, S., Khemapech, N., & Knol, J. (2017). Effect of synbiotic on the gut microbiota of cesarean delivered infants: a randomized, double-blind, multicenter study. *Journal of Pediatric Gastroenterology and Nutrition*, *65*(1), 102–106.
- Chung, S., Wilson, K. E., Miller, A. L., Johnson, D., Lumeng, J. C., & Chervin, R. D. (2014). Home Sleeping Conditions and Sleep Quality in Low-Income Preschool Children. *Sleep Med Res*, *5*(1), 29–32. <https://doi.org/10.17241/smr.2014.5.1.29>
- Cleveland Clinic. (2021, June). *Sleep Anxiety*. <https://my.clevelandclinic.org/health/diseases/21543-sleep-anxiety>
- Collado, M. C., Cernada, M., Neu, J., Pérez Martínez, G., Gormaz, M., & Vento, M. (2015). Factors Influencing Gastrointestinal Tract and Microbiota Immune Interaction in Preterm Infants. *Pediatric Research*, *77*. <https://doi.org/10.1038/pr.2015.54>
- Collado, M. C., Isolauri, E., Laitinen, K., & Salminen, S. (2010). Effect of mother's weight on infant's microbiota acquisition, composition, and activity during early infancy: A prospective follow-up study initiated in early pregnancy. *The American Journal of Clinical Nutrition*, *92*, 1023–1030. <https://doi.org/10.3945/ajcn.2010.29877>
- Collado, M. C., Rautava, S., Aakko, J., Isolauri, E., & Salminen, S. (2016). Human gut colonisation may be initiated in utero by distinct microbial communities in the placenta and amniotic fluid. *Scientific Reports*, *6*. <https://doi.org/10.1038/srep23129>
- Combs, D., Goodwin, J., Quan, S., Morgan, W., Shetty, S., & Parthasarathy, S. (2016b). Insomnia, Health-Related Quality of Life and Health Outcomes in Children: A Seven Year Longitudinal Cohort. *Scientific Reports*, *6*, 27921. <https://doi.org/10.1038/srep27921>
- Del Chierico, F., Vernocchi, P., Petrucca, A., Paci, P., Fuentes, S., Praticò, G., Capuani, G., Masotti, A., Reddel, S., Russo, A., Vallone, C., Salvatori, G., Buffone, E., Signore, F., Rigon, G., Dotta, A., Miccheli, A., De Vos, W., Dallapiccola, B., & Putignani, L. (2015). Phylogenetic and Metabolic Tracking of Gut Microbiota during Perinatal Development. *PloS One*, *10*, e0137347. <https://doi.org/10.1371/journal.pone.0137347>

- DelRosso, L. M., Bruni, O., & Ferri, R. (2018). Restless sleep disorder in children: a pilot study on a tentative new diagnostic category. *Sleep, 41*(8), zsy102. <https://doi.org/10.1093/sleep/zsy102>
- Desbonnet, L., Garrett, L., Clarke, G., Kiely, B., Cryan, J. F., & Dinan, T. G. (2010). Effects of the probiotic *Bifidobacterium infantis* in the maternal separation model of depression. *Neuroscience, 170*(4), 1179–1188. <https://doi.org/10.1016/j.neuroscience.2010.08.005>
- Dijk, D.-J., & Circadian, C. C. (1997). Melatonin and the Circadian Regulation of Sleep Initiation, Consolidation, Structure, and the Sleep EEG. In *JOURNAL OF BIOLOGICAL RHYTHMS* (Vol. 12, Issue 6).
- Ehlers, C. L., Somes, C., Seifritz, E., & Rivier, J. E. (1997). CRF/NPY interactions: A potential role in sleep dysregulation in depression and anxiety. *Depression and Anxiety, 6*(1), 1–9. [https://doi.org/https://doi.org/10.1002/\(SICI\)1520-6394\(1997\)6:1<1::AID-DA1>3.0.CO;2-J](https://doi.org/https://doi.org/10.1002/(SICI)1520-6394(1997)6:1<1::AID-DA1>3.0.CO;2-J)
- Ettinger, A. S. (2004). Children's Health, The Nation's Wealth: Assessing and Improving Child Health. *Environmental Health Perspectives, 112*(14). <https://doi.org/10.1289/ehp.112-a844>
- Fadzil, A. (2021). Factors affecting the quality of sleep in children. In *Children* (Vol. 8, Issue 2). MDPI. <https://doi.org/10.3390/children8020122>
- Falbe, J., Davison, K., Franckle, R., Ganter, C., Gortmaker, S., Smith, L., Land, T., & Taveras, E. (2015). Sleep Duration, Restfulness, and Screens in the Sleep Environment. *Pediatrics, 135*. <https://doi.org/10.1542/peds.2014-2306>
- Fallone, G., Owens, J. A., & Deane, J. (2002). Sleepiness in children and adolescents: clinical implications. *Sleep Medicine Reviews, 6*(4), 287–306. <https://doi.org/https://doi.org/10.1053/smr.2001.0192>
- Fantinato, V., Camargo, H. R., & Sousa, A. L. O. P. De. (2019). Probiotics study with *Streptococcus salivarius* and its ability to produce bacteriocins and adherence to KB cells. *Revista de Odontologia Da UNESP, 48*.
- Fass, R., Fullerton, S., Tung, S., & Mayer, E. (2000). Sleep Disturbances in Clinic Patients With Functional Bowel Disorders. *The American Journal of Gastroenterology, 95*, 1195–1200. [https://doi.org/10.1016/S0002-9270\(00\)00801-7](https://doi.org/10.1016/S0002-9270(00)00801-7)
- Fischer, A. G., & Ullsperger, M. (2017). An Update on the Role of Serotonin and its Interplay with Dopamine for Reward. *Frontiers in Human Neuroscience, 11*. <https://doi.org/10.3389/fnhum.2017.00484>
- Fletcher, F. E., Conduit, R., Foster-Owens, M. D., Rinehart, N. J., Rajaratnam, S. M. W., & Cornish, K. M. (2018). The Association Between Anxiety Symptoms and Sleep in School-Aged Children: A Combined Insight From the Children's Sleep Habits Questionnaire and Actigraphy. *Behavioral Sleep Medicine, 16*(2), 169–184. <https://doi.org/10.1080/15402002.2016.1180522>
- Galley, J. D., Nelson, M. C., Yu, Z., Dowd, S. E., Walter, J., Kumar, P. S., Lyte, M., & Bailey, M. T. (2014). Exposure to a social stressor disrupts the community structure of the colonic mucosa-associated microbiota. *BMC Microbiology, 14*(1), 189. <https://doi.org/10.1186/1471-2180-14-189>
- Gangaraju, D., Raghu, A. V., & Siddalingaiya Gurudutt, P. (2022). Green synthesis of γ -aminobutyric acid using permeabilized probiotic *Enterococcus faecium* for biocatalytic application. *Nano Select, 3*(10), 1436–1447.
- Gao, T., Wang, Z., Dong, Y., Cao, J., Lin, R., Wang, X., Yu, Z., & Chen, Y. (2019). Role of melatonin in sleep deprivation-induced intestinal barrier dysfunction in mice. *Journal of Pineal Research, 67*(1), e12574. <https://doi.org/https://doi.org/10.1111/jpi.12574>

- Giudice, M., Indolfi, C., Capasso, M., Maiello, N., Decimo, F., & Ciprandi, G. (2017). Bifidobacterium mixture (B longum BB536, B infantis M-63, B breve M-16V) treatment in children with seasonal allergic rhinitis and intermittent asthma. *Italian Journal of Pediatrics*, 43. <https://doi.org/10.1186/s13052-017-0340-5>
- Grenham, S., Clarke, G., Cryan, J., & Dinan, T. (2011). Brain–Gut–Microbe Communication in Health and Disease. *Frontiers in Physiology*, 2. <https://doi.org/10.3389/fphys.2011.00094>
- Grider, J. R., & Piland, B. E. (2007). The peristaltic reflex induced by short-chain fatty acids is mediated by sequential release of 5-HT and neuronal CGRP but not BDNF. *American Journal of Physiology-Gastrointestinal and Liver Physiology*, 292(1), G429–G437. <https://doi.org/10.1152/ajpgi.00376.2006>
- Gruber, R., Somerville, G., Enros, P., Paquin, S., Kestler, M., & Gillies-Poitras, E. (2014b). Sleep efficiency (but not sleep duration) of healthy school-age children is associated with grades in math and languages. *Sleep Medicine*, 15. <https://doi.org/10.1016/j.sleep.2014.08.009>
- Guaraldi, F., & Salvatori, G. (2012). Effect of Breast and Formula Feeding on Gut Microbiota Shaping in Newborns. *Frontiers in Cellular and Infection Microbiology*, 2. <https://doi.org/10.3389/fcimb.2012.00094>
- Guilleminault, C., Lee, J. H., & Chan, A. (2005). Pediatric Obstructive Sleep Apnea Syndrome. *Archives of Pediatrics & Adolescent Medicine*, 159(8), 775–785. <https://doi.org/10.1001/archpedi.159.8.775>
- Hall, J. E., Widjajakusumah, M. D., Tanzil, A., & Ilyas, E. (2019). *Guyton dan Hall Buku Ajar Fisiologi Kedokteran*. Elsevier Health Sciences. <https://books.google.co.id/books?id=TPn2DwAAQBAJ>
- Hammerschlag, A. R., Stringer, S., De Leeuw, C. A., Sniekers, S., Taskesen, E., Watanabe, K., Blanken, T. F., Dekker, K., Te Lindert, B. H. W., Wassing, R., Jonsdottir, I., Thorleifsson, G., Stefansson, H., Gislason, T., Berger, K., Schormair, B., Wellmann, J., Winkelmann, J., Stefansson, K., ... Posthuma, D. (2017). Genome-wide association analysis of insomnia complaints identifies risk genes and genetic overlap with psychiatric and metabolic traits. *Nature Genetics*, 49(11), 1584–1592. <https://doi.org/10.1038/ng.3888>
- Higuchi, S., Motohashi, Y., Maeda, T., & Ishibashi, K. (2005). Relationship between Individual Difference in Melatonin Suppression by Light and Habitual Bedtime. *Journal of Physiological Anthropology and Applied Human Science*, 24, 419–423. <https://doi.org/10.2114/jpa.24.419>
- Hiraku, A., Nakata, S., Murata, M., Xu, C., Mutoh, N., Arai, S., Odamaki, T., Iwabuchi, N., Tanaka, M., Tsuno, T., & Nakamura, M. (2023). Early Probiotic Supplementation of Healthy Term Infants with Bifidobacterium longum subsp. infantis M-63 Is Safe and Leads to the Development of Bifidobacterium-Predominant Gut Microbiota: A Double-Blind, Placebo-Controlled Trial. *Nutrients*, 15(6). <https://doi.org/10.3390/nu15061402>
- Hirshkowitz, M., Whiton, K., Albert, S. M., Alessi, C., Bruni, O., DonCarlos, L., Hazen, N., Herman, J., Adams Hillard, P. J., Katz, E. S., Kheirandish-Gozal, L., Neubauer, D. N., O'Donnell, A. E., Ohayon, M., Peever, J., Rawding, R., Sachdeva, R. C., Setters, B., Vitiello, M. V., & Ware, J. C. (2015). National Sleep Foundation's updated sleep duration recommendations: final report. *Sleep Health*, 1(4), 233–243. <https://doi.org/https://doi.org/10.1016/j.sleh.2015.10.004>
- Horváth, K., & Plunkett, K. (2018). Spotlight on daytime napping during early childhood. In *Nature and Science of Sleep* (Vol. 10, pp. 97–104). Dove Medical Press Ltd. <https://doi.org/10.2147/NSS.S126252>

- Hurkala, J., Lauterbach, R., Radziszewska, R., Strus, M., & Heczko, P. (2020). Effect of a short-time probiotic supplementation on the abundance of the main constituents of the gut microbiota of term newborns delivered by cesarean section-A randomized, prospective, controlled clinical trial. *Nutrients*, *12*(10), 1–11. <https://doi.org/10.3390/nu12103128>
- Irwanto, I., Rehatta, N., Hartini, S., & Takada, S. (2016). Sleep Problem of Children with Autistic Spectrum Disorder Assessed by Children Sleep Habits Questionnaire-Abbreviated in Indonesia and Japan. *The Kobe Journal of Medical Sciences*, *62*, E22-6.
- Ishizeki, S., Sugita, M., Takata, M., & Yaeshima, T. (2013). Effect of administration of bifidobacteria on intestinal microbiota in low-birth-weight infants and transition of administered bifidobacteria: A comparison between one-species and three-species administration. *Anaerobe*, *23*. <https://doi.org/10.1016/j.anaerobe.2013.08.002>
- Istiqomah, S. N., Lisiswanti, R., Dokter, J. P., Kedokteran, F., & Kedokteran, B. P. (2017). Dampak Eksposur Layar Monitor Terhadap Gangguan Tidur Dan Tingkat Obesitas Pada Anak Anak The Effect of Screen Time Exposure in Sleep Disorder and Obesity Level on Children. *Majority*, *6*(2), 72–77.
- Jones, S. E., van Hees, V. T., Mazzotti, D. R., Marques-Vidal, P., Sabia, S., van der Spek, A., Dashti, H. S., Engmann, J., Kocovska, D., Tyrrell, J., Beaumont, R. N., Hillsdon, M., Ruth, K. S., Tuke, M. A., Yaghootkar, H., Sharp, S. A., Ji, Y., Harrison, J. W., Freathy, R. M., ... Wood, A. R. (2019). Genetic studies of accelerometer-based sleep measures yield new insights into human sleep behaviour. *Nature Communications*, *10*(1). <https://doi.org/10.1038/s41467-019-09576-1>
- Karl, J. P., Hatch, A. M., Arcidiacono, S. M., Pearce, S. C., Pantoja-Feliciano, I. G., Doherty, L. A., & Soares, J. W. (2018). Effects of Psychological, Environmental and Physical Stressors on the Gut Microbiota. *Frontiers in Microbiology*, *9*. <https://doi.org/10.3389/fmicb.2018.02013>
- Khine, W. W. T., Rahayu, E. S., See, T. Y., Kuah, S., Salminen, S., Nakayama, J., & Lee, Y.-K. (2020). Indonesian children fecal microbiome from birth until weaning was different from microbiomes of their mothers. *Gut Microbes*, *12*. <https://api.semanticscholar.org/CorpusID:218908162>
- Kimura, I., Inoue, D., Maeda, T., Hara, T., Ichimura, A., Miyauchi, S., Kobayashi, M., Hirasawa, A., & Tsujimoto, G. (2011). Short-chain fatty acids and ketones directly regulate sympathetic nervous system via G protein-coupled receptor 41 (GPR41). *Proceedings of the National Academy of Sciences of the United States of America*, *108*, 8030–8035. <https://doi.org/10.1073/pnas.1016088108>
- Koletzko, B., Baker, S., Cleghorn, G., Fagundes Neto, U., Gopalan, S., Hernell, O., Seng Hock, Q., Jirapinyo, P., Lonnerdal, B., Pencharz, P., Pzyrembel, H., Jaime Ramirez-Mayans, kk, Shamir, R., Turck, D., Yamashiro, Y., Zong-Yi, D., & Williams, L. (2005). *Medical Position Paper Global Standard for the Composition of Infant Formula: Recommendations of an ESPGHAN Coordinated International Expert Group*. <http://journals.lww.com/jpgn>
- Komada, Y., Asaoka, S., Abe, T., Matsuura, N., Kagimura, T., Shirakawa, S., & Inoue, Y. (2012). Relationship between napping pattern and nocturnal sleep among Japanese nursery school children. *Sleep Medicine*, *13*(1), 107–110.
- Krainin, J., Morrison, A. A., & Russo, M. B. (2020). Sleep/Wake Disturbances in Mild Traumatic Brain Injury Patients. In J. W. Tsao (Ed.), *Traumatic Brain Injury: A Clinician's Guide to Diagnosis, Management, and Rehabilitation* (pp. 129–150). Springer International Publishing. https://doi.org/10.1007/978-3-030-22436-3_7

- Lam, P., Hiscock, H., & Wake, M. (2003). Outcomes of Infant Sleep Problems: A Longitudinal Study of Sleep, Behavior, and Maternal Well-Being. *Pediatrics*, *111*(3), e203–e207. <https://doi.org/10.1542/peds.111.3.e203>
- Lan, Y., Lu, J., Qiao, G., Mao, X., Zhao, J., Wang, G., Tian, P., & Chen, W. (2023). Bifidobacterium breve CCFM1025 Improves Sleep Quality via Regulating the Activity of the HPA Axis: A Randomized Clinical Trial. *Nutrients*, *15*(21). <https://doi.org/10.3390/nu15214700>
- Lassonde, J. M., Rusterholz, T., Kurth, S., Schumacher, A. M., Achermann, P., & LeBourgeois, M. K. (2016). Sleep physiology in toddlers: Effects of missing a nap on subsequent night sleep. *Neurobiology of Sleep and Circadian Rhythms*, *1*(1), 19–26. <https://doi.org/10.1016/j.nbscr.2016.08.001>
- Laursen, M., Zachariassen, G., Bahl, M., Bergström, A., Høst, A., Michaelsen, K., & Licht, T. (2015). Having older siblings is associated with gut microbiota development during early childhood. *BMC Microbiology*, *15*, 154. <https://doi.org/10.1186/s12866-015-0477-6>
- Le Huërou-Luron, I., Blat, S., & Boudry, G. (2010). Breast- v. formula-feeding: Impacts on the digestive tract and immediate and long-term health effects. *Nutrition Research Reviews*, *23*, 23–36. <https://doi.org/10.1017/S0954422410000065>
- Leamy, L. J., Kelly, S. A., Nietfeldt, J., Legge, R. M., Ma, F., Hua, K., Sinha, R., Peterson, D. A., Walter, J., Benson, A. K., & Pomp, D. (2014). Host genetics and diet, but not immunoglobulin A expression, converge to shape compositional features of the gut microbiome in an advanced intercross population of mice. *Genome Biology*, *15*(12), 552. <https://doi.org/10.1186/s13059-014-0552-6>
- Lee, L.-H., Letchumanan, V., Law, J. W.-F., Kumari, Y., Thurairajasingam, S., & Tan, L. T.-H. (2022). IDDF2022-ABS-0241 Exploring the potential role of probiotics in alleviating insomnia. *Gut*, *71*(Suppl 2), A65. <https://doi.org/10.1136/gutjnl-2022-IDDF.77>
- Lee-Chiong, T. L. (2006). *Sleep: a comprehensive handbook*. Wiley Online Library.
- Li, Z., Celestin, J., & Lockey, R. F. (2016). Pediatric sleep apnea syndrome: an update. *The Journal of Allergy and Clinical Immunology: In Practice*, *4*(5), 852–861.
- Liang, S.-C., Sun, C.-K., Chang, C.-H., Cheng, Y.-S., Tzang, R.-F., Chiu, H.-J., Wang, M. Y., Cheng, Y.-C., & Hung, K.-C. (2024). Therapeutic efficacy of probiotics for symptoms of attention-deficit hyperactivity disorder in children and adolescents: meta-analysis. *BJPsych Open*, *10*(1). <https://doi.org/10.1192/bjo.2023.645>
- Liu, J., Ji, X., Pitt, S., Wang, G., Rovit, E., Lipman, T., & Jiang, F. (2024). Childhood sleep: physical, cognitive, and behavioral consequences and implications. *World Journal of Pediatrics*, *20*(2), 122–132. <https://doi.org/10.1007/s12519-022-00647-w>
- Lucena, L., Loyola, V., Bortolli, C., Andersen, M., Tufik, S., & Hachul, H. (2021). Effects of Supplementation with Lactobacillus Probiotics on Insomnia Treatment. *Alternative Therapies in Health and Medicine*, *27*.
- Ma, N., Zhang, J., Reiter, R. J., & Ma, X. (2020). Melatonin mediates mucosal immune cells, microbial metabolism, and rhythm crosstalk: A therapeutic target to reduce intestinal inflammation. *Medicinal Research Reviews*, *40*(2), 606–632. <https://doi.org/https://doi.org/10.1002/med.21628>
- Ma, X.-Y., Son, Y.-H., Yoo, J.-W., Joo, M.-K., & Kim, D.-H. (2022). Tight junction protein expression-inducing probiotics alleviate TNBS-induced cognitive impairment with colitis in mice. *Nutrients*, *14*(14), 2975.
- Macfarlane, S., & Dillon, J. (2007). Microbial biofilms in the human gastrointestinal Tract. *Journal of Applied Microbiology*, *102*, 1187–1196. <https://doi.org/10.1111/j.1365-2672.2007.03287.x>

- Mahowald, M. W., Bornemann, M. C., & Schenck, C. H. (2004). Parasomnias. *Seminars in Neurology*, 24(03), 283–292.
- Marfuah, D., Hadi, H., & Huriyati, E. (2013). *Durasi dan kualitas tidur hubungannya dengan obesitas pada anak sekolah dasar di Kota Yogyakarta dan Kabupaten Bantul* (Vol. 1, Issue 2).
- Marotta, A., Sarno, E., Casale, A. Del, Pane, M., Mogna, L., Amoroso, A., Felis, G. E., & Fiorio, M. (2019). Effects of probiotics on cognitive reactivity, mood, and sleep quality. *Frontiers in Psychiatry*, 10(MAR). <https://doi.org/10.3389/fpsyt.2019.00164>
- Martín-Peláez, S., Cano-Ibáñez, N., Pinto-Gallardo, M., & Amezcua-Prieto, C. (2022). The Impact of Probiotics, Prebiotics, and Synbiotics during Pregnancy or Lactation on the Intestinal Microbiota of Children Born by Cesarean Section: A Systematic Review. In *Nutrients* (Vol. 14, Issue 2). MDPI. <https://doi.org/10.3390/nu14020341>
- Matiş, L., Alexandru, B. A., Fodor, R., Daina, L. G., Ghitea, T. C., & Vlad, S. (2023). Effect of Probiotic Therapy on Neuropsychiatric Manifestations in Children with Multiple Neurotransmitter Disorders: A Study. *Biomedicines*, 11(10). <https://doi.org/10.3390/biomedicines11102643>
- Maynard, C. L., Elson, C. O., Hatton, R. D., & Weaver, C. T. (2012). Reciprocal interactions of the intestinal microbiota and immune system. *Nature*, 489(7415), 231–241. <https://doi.org/10.1038/nature11551>
- McCarley, R. W. (2007). Neurobiology of REM and NREM sleep. *Sleep Medicine*, 8(4), 302–330. <https://doi.org/https://doi.org/10.1016/j.sleep.2007.03.005>
- McDowall, P. S., Elder, D. E., & Campbell, A. J. (2017). Relationship between parent knowledge of child sleep, and child sleep practices and problems: a pilot study in a children’s hospital cohort. *Journal of Paediatrics and Child Health*, 53(8), 788–793.
- Medic, G., Wille, M., & Hemels, M. E. H. (2017). Short- and long-term health consequences of sleep disruption. In *Nature and Science of Sleep* (Vol. 9, pp. 151–161). Dove Medical Press Ltd. <https://doi.org/10.2147/NSS.S134864>
- Medicine, A. A. of S. (2005). International classification of sleep disorders. *Diagnostic and Coding Manual*, 148–152.
- Meltzer, L. J., & Mindell, J. A. (2006). Sleep and Sleep Disorders in Children and Adolescents. *Psychiatric Clinics of North America*, 29(4), 1059–1076. <https://doi.org/https://doi.org/10.1016/j.psc.2006.08.004>
- Memon, J., & Mangarano, S. N. (2023, August 8). *Obstructive Sleep-Disordered Breathing*. StatPearls. [https://www.ncbi.nlm.nih.gov/books/NBK441909/#:~:text=Obstructive%20sleep%20Disordered%20breathing%20\(SDB,airway%20resistance%20and%20pharyngeal%20collapsibility](https://www.ncbi.nlm.nih.gov/books/NBK441909/#:~:text=Obstructive%20sleep%20Disordered%20breathing%20(SDB,airway%20resistance%20and%20pharyngeal%20collapsibility)
- Milani, C., Duranti, S., Bottacini, F., Casey, E., Turrone, F., Mahony, J., Belzer, C., Palacio, S., Arbolea, S., Mancabelli, L., Lugli, G. A., Rodriguez, J., Bode, L., De Vos, W., Gueimonde, M., Margolles, A., Van Sinderen, D., & Ventura, M. (2017). The First Microbial Colonizers of the Human Gut: Composition, Activities, and Health Implications of the Infant Gut Microbiota. *Microbiology and Molecular Biology Reviews*, 81, e00036-17. <https://doi.org/10.1128/MMBR.00036-17>
- Mindell, J. A. (2003). Insomnia in Children and Adolescents. *Insomnia: Principles and Management*, 125–135. <https://psycnet.apa.org/record/2003-88188-008>
- Mindell, J. A., & Owens, J. A. (2009). A Clinical Guide to Pediatric Sleep: Diagnosis and Management of Sleep Problems. *Journal of Developmental & Behavioral Pediatrics*. <https://api.semanticscholar.org/CorpusID:70826817>

- Mindell, J. A., Sadeh, A., Kohyama, J., & How, T. H. (2010). Parental behaviors and sleep outcomes in infants and toddlers: A cross-cultural comparison. *Sleep Medicine, 11*(4), 393–399. <https://doi.org/https://doi.org/10.1016/j.sleep.2009.11.011>
- Mitsuoka, T. (1996). intestinal flora and human health. *National Library of Medicine*. <https://pubmed.ncbi.nlm.nih.gov/24394457/>
- Mohr, A. E., Jäger, R., Carpenter, K. C., Kerksick, C. M., Purpura, M., Townsend, J. R., West, N. P., Black, K., Gleeson, M., Pyne, D. B., Wells, S. D., Arent, S. M., Kreider, R. B., Campbell, B. I., Bannock, L., Scheiman, J., Wissent, C. J., Pane, M., Kalman, D. S., ... Antonio, J. (2020). The athletic gut microbiota. *Journal of the International Society of Sports Nutrition, 17*(1), 24. <https://doi.org/10.1186/s12970-020-00353-w>
- Moloney, G. M., Long-Smith, C. M., Murphy, A., Dorland, D., Hojabri, S. F., Ramirez, L. O., Marin, D. C., Bastiaanssen, T. F. S., Cusack, A.-M., Berding, K., Fouhy, F., Allen, A. P., Stanton, C., Clarke, G., Dinan, T. G., & Cryan, J. F. (2021). Improvements in sleep indices during exam stress due to consumption of a Bifidobacterium longum. *Brain, Behavior, & Immunity - Health, 10*, 100174. <https://doi.org/https://doi.org/10.1016/j.bbih.2020.100174>
- Munyaka, P. M., Khafipour, E., & Ghia, J. E. (2014). External influence of early childhood establishment of gut microbiota and subsequent health implications. In *Frontiers in Pediatrics* (Vol. 2, Issue OCT). Frontiers Media S.A. <https://doi.org/10.3389/fped.2014.00109>
- Nakagawa, M., Ohta, H., Nagaoki, Y., Shimabukuro, R., Asaka, Y., Takahashi, N., Nakazawa, T., Kaneshi, Y., Morioka, K., Oishi, Y., Azami, Y., Ikeuchi, M., Takahashi, M., Hirata, M., Ozawa, M., Cho, K., Kusakawa, I., & Yoda, H. (2016). Daytime nap controls toddlers' nighttime sleep. *Scientific Reports, 6*(1), 27246. <https://doi.org/10.1038/srep27246>
- Nakagawa, M., Yamamoto, H., Kawaji, M., Miura, N., Wakame, K., & Endo, T. (2018). Effects of lactic acid bacteria-containing foods on the quality of sleep: a placebo-controlled, double-blinded, randomized crossover study. *Functional Foods in Health and Disease, 8*, 579–596. <https://doi.org/10.31989/ffhd.v8i12.572>
- National Institute of Mental Health. (2018, July). *Anxiety Disorders*. <https://www.nimh.nih.gov/health/topics/anxiety-disorders/index.shtml>
- Neroni, B., Evangelisti, M., Radocchia, G., Di Nardo, G., Pantanella, F., Villa, M., & Schippa, S. (2021). Relationship between sleep disorders and gut dysbiosis: what affects what? *Sleep Medicine, 87*. <https://doi.org/10.1016/j.sleep.2021.08.003>
- NICHD SECCYD-Wisconsin. (2016). <https://njaap.org/wp-content/uploads/2016/04/Childrens-Sleep-Habits-Questionnaire.pdf>
- OLIVEIRA, M. T. de, BITTENCOURT, S. T., MARCON, K., DESTRO, S., & PEREIRA, J. R. (2015). Sleep bruxism and anxiety level in children. *Brazilian Oral Research, 29*.
- Opp, M. R. (1995). Corticotropin-releasing hormone involvement in stressor-induced alterations in sleep and in the regulation of waking. *Advances in Neuroimmunology, 5*(2), 127–143. [https://doi.org/https://doi.org/10.1016/0960-5428\(95\)00004-L](https://doi.org/https://doi.org/10.1016/0960-5428(95)00004-L)
- O'Sullivan, A., Farver, M.-C., & Smilowitz, J. (2016). The Influence of Early Infant-Feeding Practices on the Intestinal Microbiome and Body Composition in Infants. *Nutrition and Metabolic Insights, 8*, 1–9. <https://doi.org/10.4137/NMI.S41125>
- Owens, J. (2007). Classification and Epidemiology of Childhood Sleep Disorders. *Sleep Medicine Clinics, 2*(3), 353–361. <https://doi.org/https://doi.org/10.1016/j.jsmc.2007.05.009>
- Owens, J. A., Spirito, A., McGuinn, M., & Nobile, C. (2000). Sleep Habits and Sleep Disturbance in Elementary School-Aged Children. *Journal of Developmental &*

- Behavioral Pediatrics*, 21(1).
https://journals.lww.com/jrnlbdb/fulltext/2000/02000/sleep_habits_and_sleep_disturbance_in_elementary.5.aspx
- Owens, J., Spirito, A., & McGuinn, M. (2001). The Children's Sleep Habits Questionnaire (CSHQ): Psychometric properties of a survey instrument for school-aged Children. *Sleep*, 23, 1043–1051. <https://doi.org/10.1037/t33022-000>
- Palacio-Ortiz, J., Gomez-Cano, S., & Aguirre-Acevedo, D. (2018). Sleep problems and profiles in attention deficit hyperactivity disorder assessed by the Children Sleep Habits Questionnaire-Abbreviated in Colombia. *Salud Mental*, 41, 261–269. <https://doi.org/10.17711/SM.0185-3325.2018.038>
- Parkar, S. G., Kalsbeek, A., & Cheeseman, J. F. (2019). Potential Role for the Gut Microbiota in Modulating Host Circadian Rhythms and Metabolic Health. *Microorganisms*, 7(2). <https://doi.org/10.3390/microorganisms7020041>
- Parte, A. C. (2014). LPSN - List of prokaryotic names with standing in nomenclature. *Nucleic Acids Research*, 42(D1). <https://doi.org/10.1093/nar/gkt1111>
- Paruthi, S., Brooks, L. J., D'Ambrosio, C., Hall, W. A., Kotagal, S., Lloyd, R. M., Malow, B. A., Maski, K., Nichols, C., Quan, S. F., Rosen, C. L., Troester, M. M., & Wise, M. S. (2016). Recommended amount of sleep for pediatric populations: A consensus statement of the American Academy of Sleep Medicine. *Journal of Clinical Sleep Medicine*, 12(6), 785–786. <https://doi.org/10.5664/jcsm.5866>
- Patterson, E., Tan, H. T. T., Groeger, D., Andrews, M., Buckley, M., Murphy, E. F., & Groeger, J. A. (2024). Bifidobacterium longum 1714 improves sleep quality and aspects of well-being in healthy adults: a randomized, double-blind, placebo-controlled clinical trial. *Scientific Reports*, 14(1). <https://doi.org/10.1038/s41598-024-53810-w>
- Pediatri, S., Sekartini, R., & Divisi Tumbuh Kembang Pediatri Sosial Departemen Ilmu Kesehatan, S. (2004). Masalah Tidur pada Anak Masalah Tidur pada Anak Masalah Tidur pada Anak Masalah Tidur pada Anak Masalah Tidur pada Anak MF Conny Tanjung, Rini Sekartini. In *138 Sari Pediatri* (Vol. 6, Issue 3).
- Peraturan Menteri Kesehatan Republik Indonesia Nomor 39 Tahun 2013 Tentang Susu Formula Bayi Dan Produk Bayi Lainnya.* (n.d.).
- Perez-Muñoz, M. E., Arrieta, M. C., Ramer-Tait, A. E., & Walter, J. (2017). A critical assessment of the “sterile womb” and “in utero colonization” hypotheses: Implications for research on the pioneer infant microbiome. In *Microbiome* (Vol. 5, Issue 1). BioMed Central Ltd. <https://doi.org/10.1186/s40168-017-0268-4>
- Pinto-Sanchez, M. I., Hall, G. B., Ghajar, K., Nardelli, A., Bolino, C., Lau, J. T., Martin, F.-P., Cominetti, O., Welsh, C., Rieder, A., Traynor, J., Gregory, C., De Palma, G., Pigrau, M., Ford, A. C., Macri, J., Berger, B., Bergonzelli, G., Surette, M. G., ... Bercik, P. (2017). Probiotic Bifidobacterium longum NCC3001 Reduces Depression Scores and Alters Brain Activity: A Pilot Study in Patients With Irritable Bowel Syndrome. *Gastroenterology*, 153(2), 448-459.e8. <https://doi.org/https://doi.org/10.1053/j.gastro.2017.05.003>
- Plaza-Diaz, J., Ruiz-Ojeda, F. J., Gil-Campos, M., & Gil, A. (2019). Mechanisms of action of probiotics. *Advances in Nutrition*, 10(suppl_1), S49–S66.
- Poroyko, V. A., Carreras, A., Khalyfa, A., Khalyfa, A. A., Leone, V., Peris, E., Almendros, I., Gileles-Hillel, A., Qiao, Z., Hubert, N., Farré, R., Chang, E. B., & Gozal, D. (2016). Chronic Sleep Disruption Alters Gut Microbiota, Induces Systemic and Adipose Tissue Inflammation and Insulin Resistance in Mice. *Scientific Reports*, 6(1), 35405. <https://doi.org/10.1038/srep35405>

- Potter, G. D. M., Skene, D. J., Arendt, J., Cade, J. E., Grant, P. J., & Hardie, L. J. (2016). Circadian rhythm and sleep disruption: Causes, metabolic consequences, and countermeasures. In *Endocrine Reviews* (Vol. 37, Issue 6, pp. 584–608). Endocrine Society. <https://doi.org/10.1210/er.2016-1083>
- Ramlee, F., Sanborn, A., & Tang, N. (2017). What Sways People’s Judgment of Sleep Quality? A Quantitative Choice-Making Study With Good and Poor Sleepers. *Sleep*, *40*. <https://doi.org/10.1093/sleep/zsx091>
- Reyman, M., van Houten, M. A., van Baarle, D., Bosch, A. A. T. M., Man, W. H., Chu, M. L. J. N., Arp, K., Watson, R. L., Sanders, E. A. M., Fuentes, S., & Bogaert, D. (2019). Impact of delivery mode-associated gut microbiota dynamics on health in the first year of life. *Nature Communications*, *10*(1), 4997. <https://doi.org/10.1038/s41467-019-13014-7>
- Ribeiro-Lages, M. B., Jural, L. A., Magno, M. B., Vicente-Gomila, J., Ferreira, D. M., Fonseca-Gonçaves, A., & Maia, L. C. (2021). A world panorama of bruxism in children and adolescents with emphasis on associated sleep features: A bibliometric analysis. *Journal of Oral Rehabilitation*, *48*(11), 1271–1282. <https://doi.org/https://doi.org/10.1111/joor.13249>
- Rodriguez, J. M., Murphy, K., Stanton, C., Ross, R. P., Kober, O. I., Juge, N., Avershina, E., Rudi, K., Narbad, A., Jenmalm, M. C., Marchesi, J. R., & Collado, M. C. (2015). The composition of the gut microbiota throughout life, with an emphasis on early life. *Microbial Ecology in Health & Disease*, *26*(0). <https://doi.org/10.3402/mehd.v26.26050>
- Rougé, C., Goldenberg, O., Ferraris, L., Berger, B., Rochat, F., Legrand, A., Göbel, U. B., Vodovar, M., Voyer, M., Rozé, J.-C., Darmaun, D., Piloquet, H., Butel, M.-J., & de La Cochetière, M.-F. (2010). Investigation of the intestinal microbiota in preterm infants using different methods. *Anaerobe*, *16*(4), 362–370. <https://doi.org/https://doi.org/10.1016/j.anaerobe.2010.06.002>
- SADEH, A. V. I., MINDELL, J. A., LUEDTKE, K., & WIEGAND, B. (2009). Sleep and sleep ecology in the first 3 years: a web-based study. *Journal of Sleep Research*, *18*(1), 60–73. <https://doi.org/https://doi.org/10.1111/j.1365-2869.2008.00699.x>
- Saey, T. H. (2009). *The why Brain studies may reveal the*. www.sciencenews.org
- Sajedi, D., Shabani, R., & Elmieh, A. (2021). Changes in leptin, serotonin, and cortisol after eight weeks of aerobic exercise with probiotic intake in a cuprizone-induced demyelination mouse model of multiple sclerosis. *Cytokine*, *144*, 155590.
- Sánchez, B., Delgado, S., Blanco-Míguez, A., Lourenco, A., Gueimonde, M., & Margolles, A. (2016). Probiotics, gut microbiota and their influence on host health and disease. *Molecular Nutrition & Food Research*, *61*. <https://doi.org/10.1002/mnfr.201600240>
- Santhi, M., & Mukunthan, A. (2007). A Detailed Study of Different Stages of Sleep and Its Disorders-Medical Physics. In *International Journal of Innovative Research in Science, Engineering and Technology (An ISO)* (Vol. 3297). www.ijirset.com
- Santi, D., Debbi, V., Costantino, F., Spaggiari, G., Simoni, M., Greco, C., & Casarini, L. (2023). Microbiota Composition and Probiotics Supplementations on Sleep Quality—A Systematic Review and Meta-Analysis. In *Clocks and Sleep* (Vol. 5, Issue 4, pp. 770–792). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/clockssleep5040050>
- Sawada, D., Kawai, T., Nishida, K., Kuwano, Y., Fujiwara, S., & Rokutan, K. (2017). Daily intake of *Lactobacillus gasseri* CP2305 improves mental, physical, and sleep quality among Japanese medical students enrolled in a cadaver dissection course. *Journal of Functional Foods*, *31*, 188–197. <https://doi.org/https://doi.org/10.1016/j.jff.2017.01.042>

- Sejbuk, M., Siebieszuk, A., & Witkowska, A. M. (2024). The Role of Gut Microbiome in Sleep Quality and Health: Dietary Strategies for Microbiota Support. In *Nutrients* (Vol. 16, Issue 14). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/nu16142259>
- Sekartini, R., & Purwito Adi, N. (2006). Gangguan Tidur pada Anak Usia Bawah Tiga Tahun Gangguan Tidur pada Anak Usia Bawah Tiga Tahun. In *188 Sari Pediatri* (Vol. 7, Issue 4).
- Sekirov, I., Russell, S., Antunes, L., & Finlay, B. (2010). Gut Microbiota in Health and Disease. *Physiological Reviews*, 90, 859–904. <https://doi.org/10.1152/physrev.00045.2009>
- Shao, Y., Forster, S. C., Tsaliki, E., Vervier, K., Strang, A., Simpson, N., Kumar, N., Stares, M. D., Rodger, A., Brocklehurst, P., Field, N., & Lawley, T. D. (2019). Stunted microbiota and opportunistic pathogen colonization in caesarean-section birth. *Nature*, 574(7776), 117–121. <https://doi.org/10.1038/s41586-019-1560-1>
- Simon, K. N. S., Werchan, D., Goldstein, M. R., Sweeney, L., Bootzin, R. R., Nadel, L., & Gómez, R. L. (2017). Sleep confers a benefit for retention of statistical language learning in 6.5month old infants. *Brain and Language*, 167, 3–12. <https://doi.org/https://doi.org/10.1016/j.bandl.2016.05.002>
- Sivertsen, B., Hysing, M., Elgen, I., Stormark, K. M., & Lundervold, A. J. (2009). Chronicity of sleep problems in children with chronic illness: A longitudinal population-based study. *Child and Adolescent Psychiatry and Mental Health*, 3, 22. <https://doi.org/10.1186/1753-2000-3-22>
- Song, D., Ibrahim, S., & Hayek, S. (2012). Recent Application of Probiotics in Food and Agricultural Science. In E. C. Rigobelo (Ed.), *Probiotics* (p. Ch. 1). IntechOpen. <https://doi.org/10.5772/50121>
- Srivastav, S., Neupane, S., Bhurtel, S., Katila, N., Maharjan, S., Choi, H., Hong, J. T., & Choi, D.-Y. (2019). Probiotics mixture increases butyrate, and subsequently rescues the nigral dopaminergic neurons from MPTP and rotenone-induced neurotoxicity. *The Journal of Nutritional Biochemistry*, 69, 73–86.
- Staton, S., Rankin, P. S., Harding, M., Smith, S. S., Westwood, E., LeBourgeois, M. K., & Thorpe, K. J. (2020). Many naps, one nap, none: A systematic review and meta-analysis of napping patterns in children 0–12 years. *Sleep Medicine Reviews*, 50, 101247.
- Stefanko, D. P., Barrett, R. M., Ly, A. R., Reolon, G. K., & Wood, M. A. (2009). *Modulation of long-term memory for object recognition via HDAC inhibition*. www.pnas.org/cgi/content/full/
- Strandwitz, P., Kim, K. H., Terekhova, D., Liu, J., Sharma, A., Levering, J., McDonald, D., Dietrich, D., Ramadhar, T., Lekbua, A., Mroue, N., Liston, C., Stewart, E., Dubin, M., Zengler, K., Knight, R., Gilbert, J., Clardy, J., & Lewis, K. (2019). GABA-modulating bacteria of the human gut microbiota. *Nature Microbiology*, 4. <https://doi.org/10.1038/s41564-018-0307-3>
- Sugden, D., Davidson, K., Hough, K. A., & Teh, M.-T. (2004). Melatonin, Melatonin Receptors and Melanophores: A Moving Story. *Pigment Cell Research*, 17(5), 454–460. <https://doi.org/https://doi.org/10.1111/j.1600-0749.2004.00185.x>
- Sulistyowati, E. A., & Yudha, A. (2022). Pengaruh Pijat Bayi terhadap Kualitas Tidur Bayi Usia 3-12 Bulan di Desa Matesih Kecamatan Matesih Kabupaten Karanganyar. *Jurnal Stethoscope*, 2(2), 87–95.
- Takada, M., Nishida, K., Gondo, Y., Kikuchi-Hayakawa, H., Ishikawa, H., Suda, K., Kawai, M., Hoshi, R., Kuwano, Y., Miyazaki, K., & Rokutan, K. (2017). Beneficial effects of Lactobacillus casei strain Shirota on academic stress-induced sleep disturbance in

- healthy adults: A double-blind, randomised, placebo-controlled trial. *Beneficial Microbes*, 8(2), 153–162. <https://doi.org/10.3920/BM2016.0150>
- Tan, X., van Egmond, L., Partinen, M., Lange, T., & Benedict, C. (2019). A narrative review of interventions for improving sleep and reducing circadian disruption in medical inpatients. *Sleep Medicine*, 59, 42–50. <https://doi.org/https://doi.org/10.1016/j.sleep.2018.08.007>
- Toscano, M., De Vecchi, E., Gabrieli, A., Zuccotti, G. V., & Drago, L. (2015). Probiotic characteristics and in vitro compatibility of a combination of Bifidobacterium breve M-16 V, Bifidobacterium longum subsp. infantis M-63 and Bifidobacterium longum subsp. longum BB536. *Annals of Microbiology*, 65(2), 1079–1086. <https://doi.org/10.1007/s13213-014-0953-5>
- Toyama, N., Ekuni, D., Fukuhara, D., Sawada, N., Yamashita, M., Komiyama, M., Nagahama, T., & Morita, M. (2023). Nutrients Associated with Sleep Bruxism. *Journal of Clinical Medicine*, 12(7). <https://doi.org/10.3390/jcm12072623>
- Turpin, W., Espin-Garcia, O., Xu, W., Silverberg, M. S., Kevans, D., Smith, M. I., Guttman, D. S., Griffiths, A., Panaccione, R., Otley, A., Xu, L., Shestopaloff, K., Moreno-Hagelsieb, G., Abreu, M., Beck, P., Bernstein, C., Dieleman, L., Feagan, B., Jacobson, K., ... Consortium, G. E. M. P. R. (2016). Association of host genome with intestinal microbial composition in a large healthy cohort. *Nature Genetics*, 48(11), 1413–1417. <https://doi.org/10.1038/ng.3693>
- Vallat, R., Berry, S. E., Tsereteli, N., Capdevila, J., Khatib, H. Al, Valdes, A. M., Delahanty, L. M., Drew, D. A., Chan, A. T., Wolf, J., Franks, P. W., Spector, T. D., & Walker, M. P. (2022). How people wake up is associated with previous night's sleep together with physical activity and food intake. *Nature Communications*, 13(1). <https://doi.org/10.1038/s41467-022-34503-2>
- Valles-Colomer, M., Falony, G., Darzi, Y., Tigchelaar, E. F., Wang, J., Tito, R. Y., Schiweck, C., Kurilshikov, A., Joossens, M., Wijnenga, C., Claes, S., Van Oudenhove, L., Zhernakova, A., Vieira-Silva, S., & Raes, J. (2019). The neuroactive potential of the human gut microbiota in quality of life and depression. *Nature Microbiology*, 4(4), 623–632. <https://doi.org/10.1038/s41564-018-0337-x>
- Van den Bulck, J. (2004). Television Viewing, Computer Game Playing, and Internet Use and Self-Reported Time to Bed and Time out of Bed in Secondary-School Children. *Sleep*, 27, 101–104. <https://doi.org/10.1093/sleep/27.1.101>
- Vinolo, M. A. R., Rodrigues, H. G., Nachbar, R. T., & Curi, R. (2011). Regulation of Inflammation by Short Chain Fatty Acids. *Nutrients*, 3(10), 858–876. <https://doi.org/10.3390/nu3100858>
- Wang, F., Liu, H., Wan, Y., Li, J., Chen, Y., Zheng, J., Huang, T., & Li, D. (2016). Sleep duration and overweight/obesity in preschool-aged children: a prospective study of up to 48,922 children of the Jiaxing birth cohort. *Sleep*, 39(11), 2013–2019.
- Wang, Y., Van De Wouw, M., Drogos, L., Vaghef-Mehrabani, E., Reimer, R. A., Tomfohr-Madsen, L., & Giesbrecht, G. F. (2022). Sleep and the gut microbiota in preschool-aged children. *Sleep*, 45(6). <https://doi.org/10.1093/sleep/zsac020>
- Wang, Z., Wang, Z., Lu, T., Chen, W., Yan, W., Yuan, K., Shi, L., Liu, X., Zhou, X., Shi, J., Vitiello, M. V., Han, Y., & Lu, L. (2022). The microbiota-gut-brain axis in sleep disorders. *Sleep Medicine Reviews*, 65, 101691. <https://doi.org/https://doi.org/10.1016/j.smrv.2022.101691>
- Wong, C. B., Iwabuchi, N., & Xiao, J. Z. (2019). Exploring the science behind Bifidobacterium breve M-16V in infant health. In *Nutrients* (Vol. 11, Issue 8). MDPI AG. <https://doi.org/10.3390/nu11081724>

- Wong, C. B., Odamaki, T., & Xiao, J. (2019). Beneficial effects of Bifidobacterium longum subsp. longum BB536 on human health: Modulation of gut microbiome as the principal action. *Journal of Functional Foods*, 54, 506–519. <https://doi.org/https://doi.org/10.1016/j.jff.2019.02.002>
- Wong, C. B., Sugahara, H., Odamaki, T., & Xiao, J. Z. (2018). Different physiological properties of human-residential and non-human-residential bifidobacteria in human health. *Beneficial Microbes*, 9(1), 111–122. <https://doi.org/10.3920/BM2017.0031>
- World Health Organization. Division of Diarrhoeal and Acute Respiratory Disease. (1991). *Indicators for assessing breast-feeding practices : report of an informal meeting, 11-12 June 1991, Geneva, Switzerland*. World Health Organization. <https://iris.who.int/handle/10665/62134>
- Wu, Z.-Y., Huang, S., Zhou, J., Wang, Q., Naveed, M., Bao, H., Wang, W., Fukunaga, K., & Han, F. (2020). Autism spectrum disorder (ASD): Disturbance of the melatonin system and its implications. *Biomedicine & Pharmacotherapy*, 130, 110496. <https://doi.org/10.1016/j.biopha.2020.110496>
- Xiao, J. Z. (2009). Bifidobacterium longum BB536. *Lee KL, Salminen S (Eds)*, 488–491.
- Xiao, Q., Gu, F., Caporaso, N., & Matthews, C. E. (2016). Relationship between sleep characteristics and measures of body size and composition in a nationally-representative sample. *BMC Obesity*, 3, 1–8.
- Yassour, M., Jason, E., Hogstrom, L. J., Arthur, T. D., Tripathi, S., Siljander, H., Selvenius, J., Oikarinen, S., Hyöty, H., Virtanen, S. M., Ilonen, J., Ferretti, P., Pasolli, E., Tett, A., Asnicar, F., Segata, N., Vlamakis, H., Lander, E. S., Huttenhower, C., ... Xavier, R. J. (2018). Strain-Level Analysis of Mother-to-Child Bacterial Transmission during the First Few Months of Life. *Cell Host and Microbe*, 24(1), 146-154.e4. <https://doi.org/10.1016/j.chom.2018.06.007>
- Yu, B., Wang, K.-Y., Wang, N.-R., Zhang, L., & Zhang, J.-P. (2024). Effect of probiotics and paraprobiotics on patients with sleep disorders and sub-healthy sleep conditions: a meta-analysis of randomized controlled trials. *Frontiers in Neurology*, 15. <https://doi.org/10.3389/fneur.2024.1477533>
- Zhang, Z., Chen, T., Jin, X., Yan, C.-H., Shen, X., & Li, S. (2013). Sleep Patterns, Sleep Problems and Associations with Reported Sleep Quality in Chinese School-Aged Children. *American Journal of Public Health Research*, 1, 93–100. <https://doi.org/10.12691/ajphr-1-4-3>