

# UYKUNUN ŞİFRESİ

*Hafif Orta Düzey Uyku Sorunları İçin Bir Rehber*

Yücel ŞAVKLI



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# ÖNSÖZ

Uyku hayatımızın neredeyse üçte birlik bir kısmını kapsayan ve diğer tüm alanlarda da bizi; daha pozitif, daha verimli ve daha işlevsel bir hale getiren bir hayati ihtiyaçtır. Yeterli veya kaliteli bir uyku uyuyamayan insanlar hayatının her alanında olumsuz etkiler görebileceği gibi alınacak önlemlerle de bu uyku düzeninin sağlanmış olması durumunda hayatındaki birçok alandaki işlevselliğin ve verimliliğin büyük ölçüde artacağını söylemek fazlasıyla mümkündür.

Burada öncelikle uykuyu tanıma, uyku bozukluklarını tanıma ve ayırt edebilme beraberinde bireysel olarak uygulanabilecek uyku hijyeni adımları ile hafif, orta düzey uyku sorunlarını çözebilmek bu kitabın çıkış noktası olmuştur. Ayrıca yine önleyici işlevi ile oluşabilecek birçok uyku sorununun da daha olmadan önüne geçebilmek de amaçlanmaktadır.

Özetle uyku üzerinde hassasiyetle durulması gereken bir olgu olduğu ortadadır. Bu kitapta okuyuculara bu konuyla ilgili hem bireysel hem de toplumsal bilincimizin yükseltilmesini hedefleyen bu konuda size rehberlik edecek bir yapıtı ortaya koymak hedeflenmiştir. İçeriğinde her okuyucunun kendisi için bir şeyler bulabileceği düzenli ve kaliteli uyku için uygulanabilecek birçok metod, egzersiz ve öneri sizlere sunulmuştur. Bunların bilimsel araştırma verileri ile desteklenmiş olması uyku olgusunun birçok yönü ile açıklanması ve alternatif çok sayıda uyku hijyeni önerilerinin olması, hem durumu kavrama hem de seçenekler arasında kendiniz için en ideal yöntemleri seçme ve uygulama imkanı tanımaktadır.

Hayatınıza pozitif katkılar sunması dileğiyle...

**Yücel ŞAVKLI**  
Uzman Klinik Psikolog

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# Bölüm 1

## 1. Uyku Nedir?

### 1.1. Uykunun Değerlendirilmesi

En basit tanımı ile uyku; 5 duyu organımızın dış uyaranlara karşı tepkisinin yüksek düzeyde veya tamamen kaybolduğu, tüm organlarımızın ve beynimizin işlevlerinin yavaşladığı ve yeni gün için hazırlandığı bir bilinçsizlik halidir. Uyku kalitesi, geceleri alınan uyku miktarıyla açıkça tanımlanan uyku süresinin aksine farklı şekillerde tanımlanabilir. Polisomnografi gibi objektif uyku ölçümleri kullanılarak, uyku kalitesi kişinin gece aldığı yavaş dalga uykusu (YDU) ve hızlı göz hareketi (REM) uykusu ile karakterize edilebilir. Bu 2 uyku aşaması, gece ilerledikçe daha uzun süreler boyunca gerçekleşir (Golem ve ark., 2014). YDU derin uykudur ve onarıcı bir işleve sahiptir (Dijk, 2009). Bunun yanı sıra hem REM hem de YDU bellek bütünleşmesine yönelik işleve sahiptir (Golem ve ark., 2014). Polisomnografi ve aktigrafi kullanarak, uyku kalitesi uyku verimliliği veya yatakta uyurken geçirilen süre ve ayrıca uykuya başlama gecikmesi, geceleri uykuya dalmak için geçen süre ile tanımlanabilir. Bir tür uyku çalışması (uyku testi) olan polisomnografi, uyku çalışmasında ve uyku tıbbında tanı aracı olarak kullanılan parametrik bir testtir. Test sonucu, PSG olarak da adlandırılan bir polisomnogram olarak adlandırılır. Polisomnografi, uyku sırasında fizyolojik değerlendirme için kullanılan yöntemi ifade eder. Bir polisomnogram (PSG), uyku bozukluklarının altında yatan nedenleri

## KAYNAKLAR

- Achermann, P. (2009). EEG analysis applied to sleep. *Epileptologie*, 26, 28-33.
- Adib-Hajbaghery M, Mousavi SN. The effects of chamomile extract on sleep quality among elderly people: A clinical trial. *Complement Ther Med*. 2017 Dec;35:109-114. doi: 10.1016/j.ctim.2017.09.010. Epub 2017 Oct 13. PMID: 29154054.
- Al-Akoum M, Maunsell E, Verreault R, Provencher L, Otis H, Dodin S. Effects of *Hypericum perforatum* (St. John's wort) on hot flashes and quality of life in perimenopausal women: a randomized pilot trial. *Menopause*. 2009 Mar-Apr;16(2):307-14. doi: 10.1097/gme.0b013e31818572a0. PMID: 19194342.
- Altena E, Baglioni C, Espie CA, Ellis J, Gavriloff D, Holzinger B, Schlarb A, Frase L, Jernelöv S, Riemann D. Dealing with sleep problems during home confinement due to the COVID-19 outbreak: Practical recommendations from a task force of the European CBT-I Academy. *J Sleep Res*. 2020 Aug;29(4):e13052. doi: 10.1111/jsr.13052. Epub 2020 May 4. PMID: 32246787.
- Altman NG, Izci-Balsarak B, Schopfer E, Jackson N, Rattanaumpawan P, Gehrman PR, Patel NP, Grandner MA. Sleep duration versus sleep insufficiency as predictors of cardiometabolic health outcomes. *Sleep Med*. 2012 Dec;13(10):1261-70. doi: 10.1016/j.sleep.2012.08.005. Epub 2012 Nov 8. PMID: 23141932; PMCID: PMC3527631.
- American Academy of Sleep Medicine. International classification of sleep disorders: diagnostic and coding manual, 2nd edn. Westchester: American Academy of Sleep Medicine, 2005.
- American Academy of Sleep Medicine. International classification of sleep disorders, diagnostic and coding manual. Chicago: American Academy of Sleep Medicine; 2005.
- Amundsen AH, Klæboe R, Aasvang GM. Long-term effects of noise reduction measures on noise annoyance and sleep disturbance: the Norwegian facade insulation study. *J Acoust Soc Am*. 2013 Jun;133(6):3921-8. doi: 10.1121/1.4802824. PMID: 23742346.
- Appenzeller O. Neurology of endurance training. In: Appenzeller O (ed.). *Sports Medicine. Fitness. Training. Injuries*. Baltimore, USA: Urban & Schwarzenberg, 1988: pp. 35-71.
- Appleman K, Figueiro MG, Rea MS. Controlling light-dark exposure patterns rather than sleep schedules determines circadian phase. *Sleep Med*. 2013 May;14(5):456-61. doi: 10.1016/j.sleep.2012.12.011. Epub 2013 Mar 6. PMID: 23481485; PMCID: PMC4304650.
- Arnulf I. Sleepwalking. *Curr Biol*. 2018 Nov 19;28(22):R1288-R1289. doi:

- 10.1016/j.cub.2018.09.062. Epub 2018 Nov 19. PMID: 30458142.
- Bach-Faig A, Berry EM, Lairon D, Reguant J, Trichopoulou A, Dernini S, Medina FX, Battino M, Belahsen R, Miranda G, Serra-Majem L; Mediterranean Diet Foundation Expert Group. Mediterranean diet pyramid today. Science and cultural updates. *Public Health Nutr.* 2011 Dec;14(12A):2274-84. doi: 10.1017/S13688980011002515. PMID: 22166184.
- Bajaj L, Singh R. Alcohol hangover-its effects on human body. *J. Addict. Clin. Res.* 2018; 2: 14-16.
- Banks S, Dinges DF. Behavioral and physiological consequences of sleep restriction. *J Clin Sleep Med.* 2007 Aug 15;3(5):519-28. PMID: 17803017; PMCID: PMC1978335.
- Barrett J, Lack L, Morris M. The sleep-evoked decrease of body temperature. *Sleep.* 1993 Feb;16(2):93-9. PMID: 8446841.
- Barton DL, Atherton PJ, Bauer BA, Moore DF Jr, Mattar BI, Lvasseur BI, Rowland KM Jr, Zon RT, Lelindqwister NA, Nagargoje GG, Morgenthaler TI, Sloan JA, Loprinzi CL. The use of Valeriana officinalis (Valerian) in improving sleep in patients who are undergoing treatment for cancer: a phase III randomized, placebo-controlled, double-blind study (NCCTG Trial, N01C5). *J Support Oncol.* 2011 Jan-Feb;9(1):24-31. doi: 10.1016/j.suponc.2010.12.008. PMID: 21399726; PMCID: PMC3052692.
- Bassetti CLA, Adamantidis A, Burdakov D, Han F, Gay S, Kallweit U, Khatami R, Koning F, Kornum BR, Lammers GJ, Liblau RS, Luppi PH, Mayer G, Pollmächer T, Sakurai T, Sallusto F, Scammell TE, Tafti M, Dauvilliers Y. Narcolepsy - clinical spectrum, aetiopathophysiology, diagnosis and treatment. *Nat Rev Neurol.* 2019 Sep;15(9):519-539. doi: 10.1038/s41582-019-0226-9. Epub 2019 Jul 19. PMID: 31324898.
- Bell PG, Walshe IH, Davison GW, Stevenson E, Howatson G. Montmorency cherries reduce the oxidative stress and inflammatory responses to repeated days high-intensity stochastic cycling. *Nutrients.* 2014 Feb 21;6(2):829-43. doi: 10.3390/nu6020829. PMID: 24566440; PMCID: PMC3942735.
- Berger AM, Kuhn BR, Farr LA, Lynch JC, Agrawal S, Chamberlain J, Von Essen SG. Behavioral therapy intervention trial to improve sleep quality and cancer-related fatigue. *Psychooncology.* 2009 Jun;18(6):634-46. doi: 10.1002/pon.1438. PMID: 19090531.
- Billiard M, Alperovitch A, Perot C, Jammes A. Excessive daytime somnolence in young men: prevalence and contributing factors. *Sleep.* 1987 Aug;10(4):297-305. doi: 10.1093/sleep/10.4.297. PMID: 3659728.
- Borbély AA. A two process model of sleep regulation. *Hum Neurobiol.* 1982;1(3):195-204. PMID: 7185792.
- Brand S, Holsboer-Trachsler E, Naranjo JR, Schmidt S. Influence of mindfulness practice on cortisol and sleep in long-term and short-term meditators. *Neuropsychobiology.* 2012;65(3):109-18. doi: 10.1159/000330362. Epub 2012 Feb 24. PMID: 22377965.

- Breslau N, Roth T, Rosenthal L, Andreski P. Sleep disturbance and psychiatric disorders: a longitudinal epidemiological study of young adults. *Biol Psychiatry*. 1996 Mar 15;39(6):411-8. doi: 10.1016/0006-3223(95)00188-3. PMID: 8679786.
- Brezinová V, Oswald I. Sleep after a bedtime beverage. *Br Med J*. 1972 May 20;2(5811):431-3. doi: 10.1136/bmj.2.5811.431. PMID: 5067672; PMCID: PMC1788018.
- Brismar K, Mogensen L, Wetterberg L. Depressed melatonin secretion in patients with nightmares due to beta-adrenoceptor blocking drugs. *Acta Med Scand*. 1987;221(2):155-8. doi: 10.1111/j.0954-6820.1987.tb01260.x. PMID: 2884812.
- Brown GM. Light, melatonin and the sleep-wake cycle. *J Psychiatry Neurosci*. 1994 Nov;19(5):345-53. PMID: 7803368; PMCID: PMC1188623.
- Buxton OM, Pavlova M, Reid EW, Wang W, Simonson DC, Adler GK. Sleep restriction for 1 week reduces insulin sensitivity in healthy men. *Diabetes*. 2010 Sep;59(9):2126-33. doi: 10.2337/db09-0699. Epub 2010 Jun 28. PMID: 20585000; PMCID: PMC2927933.
- Buysse DJ, Cheng Y, Germain A, Moul DE, Franzen PL, Fletcher M, Monk TH. Night-to-night sleep variability in older adults with and without chronic insomnia. *Sleep Med*. 2010 Jan;11(1):56-64. doi: 10.1016/j.sleep.2009.02.010. Epub 2009 Dec 4. PMID: 19962939; PMCID: PMC2818595.
- Cajochen C, Kräuchi K, Wirz-Justice A. Role of melatonin in the regulation of human circadian rhythms and sleep. *J Neuroendocrinol*. 2003 Apr;15(4):432-7. doi: 10.1046/j.1365-2826.2003.00989.x. PMID: 12622846.
- Cajochen C, Münch M, Knoblauch V, Blatter K, Wirz-Justice A. Age-related changes in the circadian and homeostatic regulation of human sleep. *Chronobiol Int*. 2006;23(1-2):461-74. doi: 10.1080/07420520500545813. PMID: 16687319.
- Caldwell K, Emery L, Harrison M, Greeson J. Changes in mindfulness, well-being, and sleep quality in college students through taijiquan courses: a cohort control study. *J Altern Complement Med*. 2011 Oct;17(10):931-8. doi: 10.1089/acm.2010.0645. Epub 2011 Oct 14. PMID: 21999153; PMCID: PMC3199537.
- Campbell AN. A randomized placebo controlled trial of melatonin enriched milk—can it improve symptoms of insomnia? *Sleep*. 2015; 8; A232.
- Carskadon MA, Dement WC. Normal human sleep: an overview. Chapter 2. In: Kryger MH, Roth T, Dement WC, editors. *Principles and practice of sleep medicine*. 5th ed. St. Louis: Elsevier Saunders; 2011. p. 16–26
- Carter KA, Hathaway NE, Lettieri CF. Common sleep disorders in children. *Am Fam Physician*. 2014 Mar 1;89(5):368-77. PMID: 24695508.
- Cartwright RD, Wood E. Adjustment disorders of sleep: the sleep effects of a major stressful event and its resolution. *Psychiatry Res*. 1991

- Dec;39(3):199-209. doi: 10.1016/0165-1781(91)90088-7. PMID: 1798820.
- Cespedes EM, Gillman MW, Kleinman K, Rifas-Shiman SL, Redline S, Taveras EM. Television viewing, bedroom television, and sleep duration from infancy to mid-childhood. *Pediatrics*. 2014 May;133(5):e1163-71. doi: 10.1542/peds.2013-3998. Epub 2014 Apr 14. PMID: 24733878; PMCID: PMC4006444.
- Chang SM, Chen CH. Effects of an intervention with drinking chamomile tea on sleep quality and depression in sleep disturbed postnatal women: a randomized controlled trial. *J Adv Nurs*. 2016 Feb;72(2):306-15. doi: 10.1111/jan.12836. Epub 2015 Oct 20. PMID: 26483209.
- Cho JR, Joo EY, Koo DL, Hong SB. Let there be no light: the effect of bedside light on sleep quality and background electroencephalographic rhythms. *Sleep Med*. 2013 Dec;14(12):1422-5. doi: 10.1016/j.sleep.2013.09.007. Epub 2013 Oct 16. PMID: 24210607.
- Cohrs S, Rodenbeck A, Riemann D, Szagun B, Jaehne A, Brinkmeyer J, Grönder G, Wienker T, Diaz-Lacava A, Mobascher A, Dahmen N, Thürauf N, Kornhuber J, Kiefer F, Gallinat J, Wagner M, Kunz D, Grittner U, Winterer G. Impaired sleep quality and sleep duration in smokers-results from the German Multicenter Study on Nicotine Dependence. *Addict Biol*. 2014 May;19(3):486-96. doi: 10.1111/j.1369-1600.2012.00487.x. Epub 2012 Aug 23. PMID: 22913370.
- Cornu C, Remontet L, Noel-Baron F, Nicolas A, Feugier-Favier N, Roy P, Claustrat B, Saadatian-Elahi M, Kassai B. A dietary supplement to improve the quality of sleep: a randomized placebo controlled trial. *BMC Complementary Altern Med*. 2010 Jun 22;10:29. doi: 10.1186/1472-6882-10-29. PMID: 20569455; PMCID: PMC2901361.
- dela Peña IJ, Hong E, de la Peña JB, Kim HJ, Botanas CJ, Hong YS, Hwang YS, Moon BS, Cheong JH. Milk Collected at Night Induces Sedative and Anxiolytic-Like Effects and Augments Pentobarbital-Induced Sleeping Behavior in Mice. *J Med Food*. 2015 Nov;18(11):1255-61. doi: 10.1089/jmf.2015.3448. Epub 2015 Jun 4. PMID: 26501383; PMCID: PMC4638207.
- Devenney LE, Coyle KB, Roth T, Verster JC. Sleep after Heavy Alcohol Consumption and Physical Activity Levels during Alcohol Hangover. *J Clin Med*. 2019 May 27;8(5):752. doi: 10.3390/jcm8050752. PMID: 31137775; PMCID: PMC6572586.
- Dhand R, Sohal H. Good sleep, bad sleep! The role of daytime naps in healthy adults. *Curr Opin Pulm Med*. 2006 Nov;12(6):379-82. doi: 10.1097/01.mcp.0000245703.92311.d0. PMID: 17053484.
- Diaper A, Hindmarch I. A double-blind, placebo-controlled investigation of the effects of two doses of a valerian preparation on the sleep, cognitive and psychomotor function of sleep-disturbed older adults. *Phytother Res*. 2004 Oct;18(10):831-6. doi: 10.1002/ptr.1574. PMID: 15551388.
- Dijk DJ, Lockley SW. Integration of human sleep-wake regulation and cir-

- cadian rhythmicity. *J Appl Physiol* (1985). 2002 Feb;92(2):852-62. doi: 10.1152/jappphysiol.00924.2001. PMID: 11796701.
- Dijk DJ, von Schantz M. Timing and consolidation of human sleep, wakefulness, and performance by a symphony of oscillators. *J Biol Rhythms*. 2005 Aug;20(4):279-90. doi: 10.1177/0748730405278292. PMID: 16077148.
- Dijk DJ. Regulation and functional correlates of slow wave sleep. *J Clin Sleep Med*. 2009 Apr 15;5(2 Suppl):S6-15. PMID: 19998869; PMCID: PMC2824213.
- Dimpfel W, Suter A. Sleep improving effects of a single dose administration of a valerian/hops fluid extract - a double blind, randomized, placebo-controlled sleep-EEG study in a parallel design using electrohypnograms. *Eur J Med Res*. 2008 May 26;13(5):200-4. PMID: 18559301.
- Djongyang, N., Tchinda, R., & Njomo, D. (2012). Estimation of some comfort parameters for sleeping environments in dry-tropical sub-Saharan Africa region. *Energy conversion and management*, 58, 110-119.
- Donath F, Quispe S, Diefenbach K, Maurer A, Fietze I, Roots I. Critical evaluation of the effect of valerian extract on sleep structure and sleep quality. *Pharmacopsychiatry*. 2000 Mar;33(2):47-53. doi: 10.1055/s-2000-7972. PMID: 10761819.
- Dorsey CM, Bootzin RR. Subjective and psychophysiologic insomnia: an examination of sleep tendency and personality. *Biol Psychiatry*. 1997 Jan 15;41(2):209-16. doi: 10.1016/0006-3223(95)00659-1. PMID: 9018392.
- Driver H, Taylor SR. Exercise and sleep. *Sleep Medicine Reviews*. 2000; 4(4): 387-402.
- Dugas EN, Sylvestre MP, O'Loughlin EK, Brunet J, Kakinami L, Constantin E, O'Loughlin J. Nicotine dependence and sleep quality in young adults. *Addict Behav*. 2017 Feb;65:154-160. doi: 10.1016/j.addbeh.2016.10.020. Epub 2016 Oct 25. PMID: 27816041.
- Ebrahim IO, Shapiro CM, Williams AJ, Fenwick PB. Alcohol and sleep I: effects on normal sleep. *Alcohol Clin Exp Res*. 2013 Apr;37(4):539-49. doi: 10.1111/acer.12006. Epub 2013 Jan 24. PMID: 23347102.
- Feldman JM, Lee EM. Serotonin content of foods: effect on urinary excretion of 5-hydroxyindoleacetic acid. *Am J Clin Nutr*. 1985 Oct;42(4):639-43. doi: 10.1093/ajcn/42.4.639. PMID: 2413754.
- Flamand M, Boudet S, Lopes R, Vignal JP, Reyns N, Charley-Monaca C, Peter-Derex L, Szurhaj W. Confusional arousals during non-rapid eye movement sleep: evidence from intracerebral recordings. *Sleep*. 2018 Oct 1;41(10). doi: 10.1093/sleep/zsy139. PMID: 30016508.
- Fleetham JA, Fleming JA. Parasomnias. *CMAJ*. 2014 May 13;186(8):E273-80. doi: 10.1503/cmaj.120808. Epub 2014 May 5. PMID: 24799552; PMCID: PMC4016090.
- Fonken LK, Workman JL, Walton JC, Weil ZM, Morris JS, Haim A, Nelson RJ. Light at night increases body mass by shifting the time of food intake. *Proc Natl Acad Sci U S A*. 2010 Oct 26;107(43):18664-9. doi:

- 10.1073/pnas.1008734107. Epub 2010 Oct 11. PMID: 20937863; PMCID: PMC2972983.
- Ford DE, Kamerow DB. Epidemiologic study of sleep disturbances and psychiatric disorders. An opportunity for prevention? *JAMA*. 1989;262(11):1479-1484. DOI:10.1001/jama.1989.03430110069030.
- Fortier-Brochu E, Beaulieu-Bonneau S, Ivers H, Morin CM. Insomnia and daytime cognitive performance: a meta-analysis. *Sleep Med Rev*. 2012 Feb;16(1):83-94. doi: 10.1016/j.smrv.2011.03.008. Epub 2011 Jun 1. PMID: 21636297.
- Fossum IN, Nordnes LT, Storemark SS, Bjorvatn B, Pallesen S. The association between use of electronic media in bed before going to sleep and insomnia symptoms, daytime sleepiness, morningness, and chronotype. *Behav Sleep Med*. 2014 Sep 3;12(5):343-57. doi: 10.1080/15402002.2013.819468. Epub 2013 Oct 24. PMID: 24156294.
- Gabe J, Coveney CM, Williams SJ. Prescriptions and proscriptions: moralising sleep medicines. *Sociol Health Illn*. 2016 May;38(4):627-44. doi: 10.1111/1467-9566.12383. Epub 2015 Nov 20. PMID: 26586293; PMCID: PMC4991279.
- Garrido M, Paredes SD, Cubero J, Lozano M, Toribio-Delgado AF, Muñoz JL, Reiter RJ, Barriga C, Rodríguez AB. Jerte Valley cherry-enriched diets improve nocturnal rest and increase 6-sulfatoxymelatonin and total antioxidant capacity in the urine of middle-aged and elderly humans. *J Gerontol A Biol Sci Med Sci*. 2010 Sep;65(9):909-14. doi: 10.1093/gerona/gfq099. Epub 2010 Jun 13. PMID: 20547498.
- Gieselmann A, Ait Aoudia M, Carr M, Germain A, Gorzka R, Holzinger B, Kleim B, Krakow B, Kunze AE, Lancee J, Nadorff MR, Nielsen T, Riemann D, Sandahl H, Schlarb AA, Schmid C, Schredl M, Spormaker VI, Steil R, van Schagen AM, Wittmann L, Zschoche M, Pietrowsky R. Aetiology and treatment of nightmare disorder: State of the art and future perspectives. *J Sleep Res*. 2019 Aug;28(4):e12820. doi: 10.1111/jsr.12820. Epub 2019 Jan 29. PMID: 30697860; PMCID: PMC6850667.
- Godos J, Ferri R, Caraci F, Cosentino FII, Castellano S, Galvano F, Grosso G. Adherence to the Mediterranean Diet is Associated with Better Sleep Quality in Italian Adults. *Nutrients*. 2019 Apr 28;11(5):976. doi: 10.3390/nu11050976. PMID: 31035395; PMCID: PMC6566275.
- Goel N, Rao H, Durmer JS, Dinges DF. Neurocognitive consequences of sleep deprivation. *Semin Neurol*. 2009 Sep;29(4):320-39. doi: 10.1055/s-0029-1237117. Epub 2009 Sep 9. PMID: 19742409; PMCID: PMC3564638.
- Golden EC, Lipford MC. Narcolepsy: Diagnosis and management. *Cleve Clin J Med*. 2018 Dec;85(12):959-969. doi: 10.3949/ccjm.85a.17086. PMID: 30526757.
- Golem DL, Martin-Biggers JT, Koenings MM, Davis KF, Byrd-Bredbenner C. An integrative review of sleep for nutrition professionals. *Adv Nutr*. 2014 Nov 14;5(6):742-59. doi: 10.3945/an.114.006809. PMID: 25398735; PM-

- CID: PMC4224209.
- Gorfine T, Assaf Y, Goshen-Gottstein Y, Yeshurun Y, Zisapel N. Sleep-anticipating effects of melatonin in the human brain. *Neuroimage*. 2006 May 15;31(1):410-8. doi: 10.1016/j.neuroimage.2005.11.024. Epub 2006 Jan 20. PMID: 16427787.
- Grønli J, Byrkjedal IK, Bjorvatn B, Nødtvedt Ø, Hamre B, Pallesen S. Reading from an iPad or from a book in bed: the impact on human sleep. A randomized controlled crossover trial. *Sleep Med*. 2016 May;21:86-92. doi: 10.1016/j.sleep.2016.02.006. Epub 2016 Mar 2. PMID: 27448477.
- Guerrero FA, Medina GM. Effect of a medicinal plant (*Passiflora incarnata* L) on sleep. *Sleep Sci*. 2017 Jul-Sep;10(3):96-100. doi: 10.5935/1984-0063.20170018. PMID: 29410738; PMCID: PMC5699852.
- Haimov I, Lavie P. Melatonin - a chronobiotic and soporific hormone. *Arch Gerontol Geriatr*. 1997 Mar-Apr;24(2):167-73. doi: 10.1016/s0167-4943(96)00749-2. PMID: 15374123.
- Hall M, Vasko R, Buysse D, Ombao H, Chen Q, Cashmere JD, Kupfer D, Thayer JF. Acute stress affects heart rate variability during sleep. *Psychosom Med*. 2004 Jan-Feb;66(1):56-62. doi: 10.1097/01.psy.0000106884.58744.09. PMID: 14747638.
- Hansen AL, Dahl L, Olson G, Thornton D, Graff IE, Frøyland L, Thayer JF, Pallesen S. Fish consumption, sleep, daily functioning, and heart rate variability. *J Clin Sleep Med*. 2014 May 15;10(5):567-75. doi: 10.5664/jcsm.3714. PMID: 24812543; PMCID: PMC4013386.
- Harris M, Richards KC, Grando VT. The effects of slow-stroke back massage on minutes of nighttime sleep in persons with dementia and sleep disturbances in the nursing home: a pilot study. *J Holist Nurs* 2012;30:255-63.
- Härtter S, Wang X, Weigmann H, Friedberg T, Arand M, Oesch F, Hiemke C. Differential effects of fluvoxamine and other antidepressants on the biotransformation of melatonin. *J Clin Psychopharmacol*. 2001 Apr;21(2):167-74. doi: 10.1097/00004714-200104000-00008. PMID: 11270913.
- Haskell EH, Palca JW, Walker JM, Berger RJ, Heller HC. Metabolism and thermoregulation during stages of sleep in humans exposed to heat and cold. *J Appl Physiol Respir Environ Exerc Physiol*. 1981 Oct;51(4):948-54. doi: 10.1152/jappl.1981.51.4.948. PMID: 7298439.
- Hauri P. Sleep hygiene. In: Hauri P, editor. *Current concepts: the sleep disorders*. Kalamazoo, MI: The Upjohn Company; 1977. p. 21e35.
- Hauri PJ. Consulting about insomnia: a method and some preliminary data. *Sleep*. 1993 Jun;16(4):344-50. doi: 10.1093/sleep/16.4.344. PMID: 8341895.
- Hellström A, Fagerstrom C, Willman A. Promoting sleep by nursing interventions in health care settings: a systematic review. *Worldviews Evid Based Nurs* 2011;8:128-42.
- Hellström A, Willman A. Promoting sleep by nursing interventions in health

- care settings: a systematic review. *Worldviews Evid Based Nurs.* 2011 Sep;8(3):128-42. doi: 10.1111/j.1741-6787.2010.00203.x. Epub 2010 Oct 12. PMID: 21040451.
- Hendler, R.A.; Ramchandani, V.A.; Gilman, J.; Hommer, D.W. Stimulant and sedative effects of alcohol. In *Behavioral Neurobiology of Alcohol Addiction*; Springer: Heidelberg, Germany, 2011; pp. 489–509.
- Hicklin D, Schwander J. Schichtarbeit und Schlaf [Shift Work and Sleep]. *Praxis* (Bern 1994). 2019 Jan;108(2):119-124. German. doi: 10.1024/1661-8157/a003163. PMID: 30722743.
- Hirshkowitz M, Whiton K, Albert SM, et al. National Sleep Foundation's sleep time duration recommendations: methodology and results summary. *Sleep Health.* 2015;1(1); 40–43. DOI: <http://dx.doi.org/10.1016/j.sleh.2015.10.004>
- Hobzova M, Prasko J, Vanek J, Ociskova M, Genzor S, Holubova M, Grambal A, Latalova K. Depression and obstructive sleep apnea. *Neuro Endocrinol Lett.* 2017 Oct;38(5):343-352. PMID: 29106789.
- Hornyak M, Feige B, Riemann D, Voderholzer U. Periodic leg movements in sleep and periodic limb movement disorder: prevalence, clinical significance and treatment. *Sleep Med Rev.* 2006 Jun;10(3):169-77. doi: 10.1016/j.smrv.2005.12.003. PMID: 16762807.
- Howatson G, Bell PG, Tallent J, Middleton B, McHugh MP, Ellis J. Effect of tart cherry juice (*Prunus cerasus*) on melatonin levels and enhanced sleep quality. *Eur J Nutr.* 2012 Dec;51(8):909-16. doi: 10.1007/s00394-011-0263-7. Epub 2011 Oct 30. PMID: 22038497.
- Howatson G, McHugh MP, Hill JA, Brouner J, Jewell AP, van Someren KA, Shave RE, Howatson SA. Influence of tart cherry juice on indices of recovery following marathon running. *Scand J Med Sci Sports.* 2010 Dec;20(6):843-52. doi: 10.1111/j.1600-0838.2009.01005.x. PMID: 19883392.
- Högl B, Stefani A. Restless legs syndrome and periodic leg movements in patients with movement disorders: Specific considerations. *Mov Disord.* 2017 May;32(5):669-681. doi: 10.1002/mds.26929. Epub 2017 Feb 10. PMID: 28186669.
- Huang W, Shah S, Long Q, Crankshaw AK, Tangpricha V. Improvement of pain, sleep, and quality of life in chronic pain patients with vitamin D supplementation. *Clin J Pain.* 2013 Apr;29(4):341-7. doi: 10.1097/AJP.0b013e318255655d. PMID: 22699141.
- Huang ZL, Urade Y, Hayaishi O. The role of adenosine in the regulation of sleep. *Curr Top Med Chem.* 2011;11(8):1047-57. doi: 10.2174/156802611795347654. PMID: 21401496.
- Hwang SR, Hwang SW, Chu YC, Hwang JH. Association of sleep terror, walking or talking and tinnitus. *J Formos Med Assoc.* 2021 Jan;120(1 Pt 1):145-149. doi: 10.1016/j.jfma.2020.03.014. Epub 2020 Apr 11. PMID: 32291135.

- Iglowstein I, Jenni OG, Molinari L, Largo RH. Sleep duration from infancy to adolescence: reference values and generational trends. *Pediatrics*. 2003 Feb;111(2):302-7. doi: 10.1542/peds.111.2.302. PMID: 12563055.
- Inoue Y. Sleep-related eating disorder and its associated conditions. *Psychiatry Clin Neurosci*. 2015 Jun;69(6):309-20. doi: 10.1111/pcn.12263. Epub 2015 Feb 9. PMID: 25495278.
- Institute of Medicine (US) Committee on Sleep Medicine and Research; Colten HR, Altevogt BM, editors. *Sleep Disorders and Sleep Deprivation: An Unmet Public Health Problem*. Washington (DC): National Academies Press (US); 2006. <http://www.ncbi.nlm.nih.gov/books/NBK19960/> Accessed January 28, 2021.
- Institute of Medicine (US) Committee on Sleep Medicine and Research; Colten HR, Altevogt BM, editors. *Sleep disorders and sleep deprivation: an unmet public health problem*. Washington (DC): The National Academies Press; 2006. p. 33–54.
- Jacobs BP, Bent S, Tice JA, Blackwell T, Cummings SR. An internet-based randomized, placebo-controlled trial of kava and valerian for anxiety and insomnia. *Medicine (Baltimore)*. 2005 Jul;84(4):197-207. doi: 10.1097/01.md.0000172299.72364.95. PMID: 16010204.
- Jaehne A, Unbehaun T, Feige B, Lutz UC, Batra A, Riemann D. How smoking affects sleep: a polysomnographical analysis. *Sleep Med*. 2012 Dec;13(10):1286-92. doi: 10.1016/j.sleep.2012.06.026. Epub 2012 Sep 28. PMID: 23026505.
- Jafari B, Mohsenin V. Polysomnography. *Clin Chest Med*. 2010 Jun;31(2):287-97. doi: 10.1016/j.ccm.2010.02.005. PMID: 20488287.
- Jaussent I, Dauvilliers Y, Ancelin ML, Dartigues JF, Tavernier B, Touchon J, Ritchie K, Besset A. Insomnia symptoms in older adults: associated factors and gender differences. *Am J Geriatr Psychiatry*. 2011 Jan;19(1):88-97. doi: 10.1097/JGP.0b013e3181e049b6. PMID: 20808113; PMCID: PMC3179987.
- Johnson JG, Cohen P, Kasen S, First MB, Brook JS. Association between television viewing and sleep problems during adolescence and early adulthood. *Arch Pediatr Adolesc Med*. 2004 Jun;158(6):562-8. doi: 10.1001/archpedi.158.6.562. PMID: 15184220.
- Kasper S, Anghelescu I, Dienel A. Efficacy of orally administered Silexan in patients with anxiety-related restlessness and disturbed sleep--A randomized, placebo-controlled trial. *Eur Neuropsychopharmacol*. 2015 Nov;25(11):1960-7. doi: 10.1016/j.euroneuro.2015.07.024. Epub 2015 Aug 7. PMID: 26293583.
- Kasper S, Gastpar M, Müller WE, Volz HP, Möller HJ, Dienel A, Schläfke S. Silexan, an orally administered Lavandula oil preparation, is effective in the treatment of 'subsyndromal' anxiety disorder: a randomized, double-blind, placebo controlled trial. *Int Clin Psychopharmacol*. 2010 Sep;25(5):277-87. doi: 10.1097/YIC.0b013e32833b3242. PMID:

20512042.

- Katagiri R, Asakura K, Kobayashi S, Suga H, Sasaki S. Low intake of vegetables, high intake of confectionary, and unhealthy eating habits are associated with poor sleep quality among middle-aged female Japanese workers. *J Occup Health*. 2014;56(5):359-68. doi: 10.1539/joh.14-0051-0a. Epub 2014 Aug 28. PMID: 25168926.
- Kelly GS. Folates: supplemental forms and therapeutic applications. *Altern Med Rev*. 1998 Jun;3(3):208-20. PMID: 9630738.
- Kim EJ, Dimsdale JE. The effect of psychosocial stress on sleep: a review of polysomnographic evidence. *Behav Sleep Med*. 2007;5(4):256-78. doi: 10.1080/15402000701557383. PMID: 17937582; PMCID: PMC4266573.
- Kingma B, Frijns A, van Marken Lichtenbelt W. The thermoneutral zone: implications for metabolic studies. *Front Biosci (Elite Ed)*. 2012 Jan 1;4:1975-85. doi: 10.2741/518. PMID: 22202013.
- Klasser GD, Rei N, Lavigne GJ. Sleep bruxism etiology: the evolution of a changing paradigm. *J Can Dent Assoc*. 2015;81:f2. PMID: 25633110.
- Ko Y-L, Lee H-J. Randomised controlled trial of the effectiveness of using back massage to improve sleep quality among Taiwanese insomnia postpartumwomen. *Midwifery* 2014;30:60-4.
- Koetter U, Schrader E, Käufeler R, Brattström A. A randomized, double blind, placebo-controlled, prospective clinical study to demonstrate clinical efficacy of a fixed valerian hops extract combination (Ze 91019) in patients suffering from non-organic sleep disorder. *Phytother Res*. 2007 Sep;21(9):847-51. doi: 10.1002/ptr.2167. PMID: 17486686.
- Kräuchi K. The thermophysiological cascade leading to sleep initiation in relation to phase of entrainment. *Sleep Med Rev*. 2007 Dec;11(6):439-51. doi: 10.1016/j.smrv.2007.07.001. Epub 2007 Aug 30. PMID: 17764994.
- Kurdziel L, Duclos K, Spencer RM. Sleep spindles in midday naps enhance learning in preschool children. *Proc Natl Acad Sci U S A*. 2013 Oct 22;110(43):17267-72. doi: 10.1073/pnas.1306418110. Epub 2013 Sep 23. PMID: 24062429; PMCID: PMC3808582.
- Lan, L., Pan, L., Lian, Z., Huang, H., & Lin, Y. (2014). Experimental study on thermal comfort of sleeping people at different air temperatures. *Building and Environment*, 73, 24-31.
- Lavie P. Melatonin: role in gating nocturnal rise in sleep propensity. *J Biol Rhythms*. 1997 Dec;12(6):657-65. doi: 10.1177/074873049701200622. PMID: 9406042.
- Leathwood PD, Chauffard F, Heck E, Munoz-Box R. Aqueous extract of valerian root (*Valeriana officinalis* L.) improves sleep quality in man. *Pharmacol Biochem Behav*. 1982 Jul;17(1):65-71. doi: 10.1016/0091-3057(82)90264-7. PMID: 7122669.
- Lee SY, Kang J. Effect of virtual reality meditation on sleep quality of intensive care unit patients: A randomised controlled trial. *Intensive Crit Care Nurs*. 2020 Aug;59:102849. doi: 10.1016/j.iccn.2020.102849. Epub 2020

- Mar 31. PMID: 32241625.
- Léger D, Poursain B, Neubauer D, Uchiyama M. An international survey of sleeping problems in the general population. *Curr Med Res Opin.* 2008 Jan;24(1):307-17. doi: 10.1185/030079907x253771. PMID: 18070379.
- Lillehei AS, Halcón LL, Savik K, Reis R. Effect of Inhaled Lavender and Sleep Hygiene on Self-Reported Sleep Issues: A Randomized Controlled Trial. *J Altern Complement Med.* 2015 Jul;21(7):430-8. doi: 10.1089/acm.2014.0327. Epub 2015 Jun 2. PMID: 26133206; PMCID: PMC4505755.
- Lillehei AS, Halcon LL. A systematic review of the effect of inhaled essential oils on sleep. *J Altern Complement Med.* 2014 Jun;20(6):441-51. doi: 10.1089/acm.2013.0311. Epub 2014 Apr 10. PMID: 24720812.
- Lim KG, Morgenthaler TI, Katzka DA. Sleep and Nocturnal Gastroesophageal Reflux: An Update. *Chest.* 2018 Oct;154(4):963-971. doi: 10.1016/j.chest.2018.05.030. Epub 2018 May 31. PMID: 29859888.
- Lin HH, Tsai PS, Fang SC, Liu JF. Effect of kiwifruit consumption on sleep quality in adults with sleep problems. *Asia Pac J Clin Nutr.* 2011;20(2):169-74. PMID: 21669584.
- Lindahl O, Lindwall L. Double blind study of a valerian preparation. *Pharmacol Biochem Behav.* 1989 Apr;32(4):1065-6. doi: 10.1016/0091-3057(89)90082-8. PMID: 2678162.
- Long MA, Jutras MJ, Connors BW, Burwell RD. Electrical synapses coordinate activity in the suprachiasmatic nucleus. *Nat Neurosci.* 2005 Jan;8(1):61-6. doi: 10.1038/nn1361. Epub 2004 Dec 5. PMID: 15580271.
- Luyster FS, Strollo PJ Jr, Zee PC, Walsh JK; Boards of Directors of the American Academy of Sleep Medicine and the Sleep Research Society. Sleep: a health imperative. *Sleep.* 2012 Jun 1;35(6):727-34. doi: 10.5665/sleep.1846. PMID: 22654183; PMCID: PMC3353049.
- Lynch HJ, Wurtman RJ, Moskowitz MA, Archer MC, Ho MH. Daily rhythm in human urinary melatonin. *Science.* 1975 Jan 17;187(4172):169-71. doi: 10.1126/science.1167425. PMID: 1167425.
- Macpherson RK. Thermal stress and thermal comfort. *Ergonomics.* 1973 Sep;16(5):611-22. doi: 10.1080/00140137308924552. PMID: 4772987.
- Manber R, Bootzin RR, Acebo C, Carskadon MA. The effects of regularizing sleep-wake schedules on daytime sleepiness. *Sleep.* 1996 Jun;19(5):432-41. doi: 10.1093/sleep/19.5.432. PMID: 8843535.
- Maroo N, Hazra A, Das T. Efficacy and safety of a polyherbal sedative-hypnotic formulation NSF-3 in primary insomnia in comparison to zolpidem: a randomized controlled trial. *Indian J Pharmacol.* 2013 Jan-Feb;45(1):34-9. doi: 10.4103/0253-7613.106432. PMID: 23543804; PMCID: PMC3608291.
- Martin CS, Earleywine M, Musty RE, Perrine MW, Swift RM. Development and validation of the Biphasic Alcohol Effects Scale. *Alcohol Clin Exp Res.* 1993 Feb;17(1):140-6. doi: 10.1111/j.1530-0277.1993.tb00739.x.

- PMID: 8452195.
- Martínez-González MA, Sánchez-Villegas A. The emerging role of Mediterranean diets in cardiovascular epidemiology: monounsaturated fats, olive oil, red wine or the whole pattern? *Eur J Epidemiol.* 2004;19(1):9-13. doi: 10.1023/b:ejep.0000013351.60227.7b. PMID: 15012018.
- Maspero, C., Giannini, L., Galbiati, G., Rosso, G., & Farronato, G. (2015). Obstructive sleep apnea syndrome: a literature review. *Minerva Stomatol*, 64(2), 97-109.
- Massa J, Stone KL, Wei EK, Harrison SL, Barrett-Connor E, Lane NE, Paudel M, Redline S, Ancoli-Israel S, Orwoll E, Schernhammer E. Vitamin D and actigraphic sleep outcomes in older community-dwelling men: the MrOS sleep study. *Sleep.* 2015 Feb 1;38(2):251-7. doi: 10.5665/sleep.4408. PMID: 25581929; PMCID: PMC4288606.
- Matricciani LA, Olds TS, Blunden S, Rigney G, Williams MT. Never enough sleep: a brief history of sleep recommendations for children. *Pediatrics.* 2012 Mar;129(3):548-56. doi: 10.1542/peds.2011-2039. Epub 2012 Feb 13. PMID: 22331340.
- McCoy JG, Strecker RE. The cognitive cost of sleep lost. *Neurobiol Learn Mem.* 2011 Nov;96(4):564-82. doi: 10.1016/j.nlm.2011.07.004. Epub 2011 Aug 22. PMID: 21875679; PMCID: PMC3614362.
- McIntyre J. Discussion of the effect of water vapour content JIHVE, 4 (1937), pp. 570-601.
- Mineo L, Concerto C, Patel D, Mayorga T, Paula M, Chusid E, Aguglia E, Battaglia F. Valeriana officinalis Root Extract Modulates Cortical Excitatory Circuits in Humans. *Neuropsychobiology.* 2017;75(1):46-51. doi: 10.1159/000480053. Epub 2017 Oct 17. PMID: 29035887.
- Monk TH, Buysse DJ, Billy BD, Fletcher ME, Kennedy KS, Schlarb JE, Beach SR. Circadian type and bed-timing regularity in 654 retired seniors: correlations with subjective sleep measures. *Sleep.* 2011 Feb 1;34(2):235-9. doi: 10.1093/sleep/34.2.235. PMID: 21286245; PMCID: PMC3022945.
- Moore H 4th, Leary E, Lee SY, Carrillo O, Stubbs R, Peppard P, Young T, Widrow B, Mignot E. Correction: Design and Validation of a Periodic Leg Movement Detector. *PLoS One.* 2015 Sep 10;10(9):e0138205. doi: 10.1371/journal.pone.0138205. Erratum for: *PLoS One.* 2014;9(12):e114565. PMID: 26356080; PMCID: PMC4565674.
- Morin CM, Benca R. Chronic insomnia. *Lancet.* 2012 Mar 24;379(9821):1129-41. doi: 10.1016/S0140-6736(11)60750-2. Epub 2012 Jan 20. Erratum in: *Lancet.* 2012 Apr 21;379(9825):1488. PMID: 22265700.
- Morin CM, LeBlanc M, Bélanger L, Ivers H, Mérette C, Savard J. Prevalence of insomnia and its treatment in Canada. *Can J Psychiatry.* 2011;56(9):540-548. PMID: 21959029.
- Morin CM, LeBlanc M, Daley M, Gregoire JP, Mérette C. Epidemiology of insomnia: prevalence, self-help treatments, consultations, and determinants of help-seeking behaviors. *Sleep Med.* 2006 Mar;7(2):123-30. doi:

- 10.1016/j.sleep.2005.08.008. Epub 2006 Feb 3. PMID: 16459140.
- Morin CM, Rodrigue S, Ivers H. Role of stress, arousal, and coping skills in primary insomnia. *Psychosom Med*. 2003 Mar-Apr;65(2):259-67. doi: 10.1097/01.psy.0000030391.09558.a3. PMID: 12651993.
- Morin, C. M. (2010). Chronic insomnia: Recent advances and innovations in treatment developments and dissemination. *Canadian Psychology/psychologie canadienne*, 51(1), 31.
- Muzet A. Environmental noise, sleep and health. *Sleep Med Rev*. 2007 Apr;11(2):135-42. doi: 10.1016/j.smrv.2006.09.001. Epub 2007 Feb 20. P Zaharna M, Guillemineault C. Sleep, noise and health: review. *Noise Health*. 2010 Apr-Jun;12(47):64-9. doi: 10.4103/1463-1741.63205. PMID: 20472951.MID: 17317241.
- National Heart, Lung, and Blood Institute. Why is sleep important? NIH, National Heart, Lung, and Blood Institute; 2012. Bethesda, MD [cited 2014 June 23]. Available from: <http://www.nhlbi.nih.gov/health/health-topics/topics/sdd/why.html>.
- National Institutes of Health. 2011 National Institutes of Health Sleep Disorders Research Plan. Washington, DC: U.S. NIH Publication No. 11-7820; November 2011. <http://www.nhlbi.nih.gov/health-pro/resources/sleep/nih-sleep-disordersresearch-plan-2011>. Accessed January 28, 2020.
- National Sleep Foundation. 2002 "Sleep in America" Poll. Washington (DC); 2002. <https://sleepfoundation.org/sites/default/files/2002SleepInAmericaPoll.pdf> Accessed January 28, 2021.
- National Sleep Foundation. 2004 Sleep in America poll: summary of findings. Washington: National Sleep Foundation; 2004.
- National Sleep Foundation. 2005 Sleep in America poll. Washington: National Sleep Foundation; 2005
- National Sleep Foundation. 2014 Sleep in America poll: sleep in the modern family. Arlington (VA): National Sleep Foundation; 2014.
- National Sleep Foundation. International bedroom poll: summary of findings. Arlington (VA): National Sleep Foundation; 2013
- Nematollahi P, Mehrabani M, Karami-Mohajeri S, Dabaghzadeh F. Effects of *Rosmarinus officinalis* L. on memory performance, anxiety, depression, and sleep quality in university students: A randomized clinical trial. *Complement Ther Clin Pract*. 2018 Feb;30:24-28. doi: 10.1016/j.ctcp.2017.11.004. Epub 2017 Nov 13. PMID: 29389474.
- Nicol F. (2019). Temperature and sleep. *Energy and Buildings*, 204, 109516.
- Obradovich N, Migliorini R, Mednick SC, Fowler JH. Nighttime temperature and human sleep loss in a changing climate. *Sci Adv*. 2017 May 26;3(5):e1601555. doi: 10.1126/sciadv.1601555. PMID: 28560320; PMCID: PMC5446217.
- Ohlmann B, Bömicke W, Habibi Y, Rammelsberg P, Schmitter M. Are there associations between sleep bruxism, chronic stress, and sleep quality? *J Dent*. 2018 Jul;74:101-106. doi: 10.1016/j.jdent.2018.05.007. Epub 2018

- May 17. PMID: 29777735.
- Ong JC, Shapiro SL, Manber R. Combining mindfulness meditation with cognitive-behavior therapy for insomnia: a treatment-development study. *Behav Ther.* 2008 Jun;39(2):171-82. doi: 10.1016/j.beth.2007.07.002. Epub 2007 Nov 14. PMID: 18502250; PMCID: PMC3052789.
- Orbeta RL, Overpeck MD, Ramcharran D, Kogan MD, Ledsky R. High caffeine intake in adolescents: associations with difficulty sleeping and feeling tired in the morning. *J Adolesc Health.* 2006 Apr;38(4):451-3. doi: 10.1016/j.jadohealth.2005.05.014. PMID: 16549311.
- Oxman AD, Flottorp S, Håvelsrud K, Fretheim A, Odgaard-Jensen J, Austvoll-Dahlgren A, Carling C, Pallesen S, Bjorvatn B. A televised, web-based randomised trial of an herbal remedy (valerian) for insomnia. *PLoS One.* 2007 Oct 17;2(10):e1040. doi: 10.1371/journal.pone.0001040. PMID: 17940604; PMCID: PMC2002515.
- Pace-Schott EF, Hobson JA. The neurobiology of sleep: genetics, cellular physiology and subcortical networks. *Nat Rev Neurosci.* 2002 Aug;3(8):591-605. doi: 10.1038/nrn895. PMID: 12154361.
- Pandi-Perumal SR, Smits M, Spence W, Srinivasan V, Cardinali DP, Lowe AD, Kayumov L. Dim light melatonin onset (DLMO): a tool for the analysis of circadian phase in human sleep and chronobiological disorders. *Prog Neuropsychopharmacol Biol Psychiatry.* 2007 Jan 30;31(1):1-11. doi: 10.1016/j.pnpbp.2006.06.020. Epub 2006 Aug 1. PMID: 16884842.
- Patrick LR. Restless legs syndrome: pathophysiology and the role of iron and folate. *Altern Med Rev.* 2007 Jun;12(2):101-12. PMID: 17604457
- Patten CA, Choi WS, Gillin JC, Pierce JP. Depressive symptoms and cigarette smoking predict development and persistence of sleep problems in US adolescents. *Pediatrics.* 2000 Aug;106(2):E23. doi: 10.1542/peds.106.2.e23. PMID: 10920179.
- Perlis ML, Giles DE, Mendelson WB, Bootzin RR, Wyatt JK. Psychophysiological insomnia: the behavioural model and a neurocognitive perspective. *J Sleep Res.* 1997 Sep;6(3):179-88. doi: 10.1046/j.1365-2869.1997.00045.x. PMID: 9358396.
- Perlis ML, Smith MT, Andrews PJ, Orff H, Giles DE. Beta/Gamma EEG activity in patients with primary and secondary insomnia and good sleeper controls. *Sleep.* 2001 Feb 1;24(1):110-7. doi: 10.1093/sleep/24.1.110. PMID: 11204046.
- Phillips BA, Danner FJ. Cigarette smoking and sleep disturbance. *Arch Intern Med.* 1995 Apr 10;155(7):734-7. PMID: 7695462.
- Pigeon WR, Carr M, Gorman C, Perlis ML. Effects of a tart cherry juice beverage on the sleep of older adults with insomnia: a pilot study. *J Med Food.* 2010 Jun;13(3):579-83. doi: 10.1089/jmf.2009.0096. PMID: 20438325; PMCID: PMC3133468.
- Pilcher JJ, Huffcutt AI. Effects of sleep deprivation on performance: a meta-analysis. *Sleep.* 1996 May;19(4):318-326. PMID: 8776790

- Powell NB, Riley RW, Schechtman KB, Blumen MB, Dinges DF, Guilleminault C. A comparative model: reaction time performance in sleep-disordered breathing versus alcohol-impaired controls. *Laryngoscope*. 1999 Oct;109(10):1648-54. doi: 10.1097/00005537-199910000-00019. PMID: 10522937.
- Poyares DR, Guilleminault C, Ohayon MM, Tufik S. Can valerian improve the sleep of insomniacs after benzodiazepine withdrawal? *Prog Neuropsychopharmacol Biol Psychiatry*. 2002 Apr;26(3):539-45. doi: 10.1016/s0278-5846(01)00305-0. PMID: 11999905.
- Radun I, Summala H. Sleep-related fatal vehicle accidents: characteristics of decisions made by multidisciplinary investigation teams. *Sleep*. 2004;27(2):224-227. PMID: 15124714
- Rechtschaffen A, Siegel J. Sleep and dreaming. In: Kandel E, Schwartz J, Jessell T, editors. *Principles of neuroscience*. 4th ed. USA: McGraw-Hill Companies; 2000. p. 936-47.
- Reiter RJ, Paredes SD, Korkmaz A, Manchester LC, Tan DX. Melatonin in relation to the “strong” and “weak” versions of the free radical theory of aging. *Adv Med Sci*. 2008;53(2):119-29. doi: 10.2478/v10039-008-0032-x. PMID: 18930877.
- Riedel BW, Durrence HH, Lichstein KL, Taylor DJ, Bush AJ. The relation between smoking and sleep: the influence of smoking level, health, and psychological variables. *Behav Sleep Med*. 2004;2(1):63-78. doi: 10.1207/s15402010bsm0201\_6. PMID: 15600225.
- Roehrs T, Roth T. Caffeine: sleep and daytime sleepiness. *Sleep Med Rev*. 2008 Apr;12(2):153-62. doi: 10.1016/j.smrv.2007.07.004. Epub 2007 Oct 18. PMID: 17950009.
- Roehrs T, Roth T. Sleep, sleepiness, and alcohol use. *Alcohol Res Health*. 2001;25(2):101-9. PMID: 11584549; PMCID: PMC6707127.
- Roehrs, T.; Yoon, J.; Roth, T. Nocturnal and next-day effects of ethanol and basal level of sleepiness. *Hum. Psychopharmacol. Clin. Exp*. 1991; 6: 307-311.
- Roethlisberger SC, Zubler F. Isolated mandibular sleep-related rhythmic movement disorder: A case report. *Cranio*. 2020 Apr 3:1-3. doi: 10.1080/08869634.2020.1747715. Epub ahead of print. PMID: 32241246.
- Rusch HL, Rosario M, Levison LM, Olivera A, Livingston WS, Wu T, Gill JM. The effect of mindfulness meditation on sleep quality: a systematic review and meta-analysis of randomized controlled trials. *Ann N Y Acad Sci*. 2019 Jun;1445(1):5-16. doi: 10.1111/nyas.13996. Epub 2018 Dec 21. PMID: 30575050; PMCID: PMC6557693.
- Saper CB, Scammell TE, Lu J. Hypothalamic regulation of sleep and circadian rhythms. *Nature*. 2005 Oct 27;437(7063):1257-63. doi: 10.1038/nature04284. PMID: 16251950.
- Sawant, H. K., & Jalali, Z. (2010). Detection and classification of EEG waves. *Oriental Journal of Computer Science and Technology*, 3(1), 207-213.

- Scholey A, Benson S, Gibbs A, Perry N, Sarris J, Murray G. Exploring the Effect of Lactium™ and Zizyphus Complex on Sleep Quality: A Double-Blind, Randomized Placebo-Controlled Trial. *Nutrients*. 2017 Feb 17;9(2):154. doi: 10.3390/nu9020154. PMID: 28218661; PMCID: PMC5331585.
- Schroeck JL, Ford J, Conway EL, Kurtzhals KE, Gee ME, Vollmer KA, Mergenhagen KA. Review of Safety and Efficacy of Sleep Medicines in Older Adults. *Clin Ther*. 2016 Nov;38(11):2340-2372. doi: 10.1016/j.clinthera.2016.09.010. Epub 2016 Oct 15. PMID: 27751669.
- Schwab KE, Ronish B, Needham DM, To AQ, Martin JL, Kamdar BB. Actigraphy to Evaluate Sleep in the Intensive Care Unit. A Systematic Review. *Ann Am Thorac Soc*. 2018 Sep;15(9):1075-1082. doi: 10.1513/AnnalsATS.201801-004OC. PMID: 29944386; PMCID: PMC6322043.
- Shekleton JA, Rogers NL, Rajaratnam SM. Searching for the daytime impairments of primary insomnia. *Sleep Med Rev*. 2010 Feb;14(1):47-60. doi: 10.1016/j.smrv.2009.06.001. Epub 2009 Dec 5. PMID: 19963414.
- Sherrill DL, Kotchou K, Quan SF. Association of physical activity and human sleep disorders. *Arch Intern Med*. 1998 Sep 28;158(17):1894-8. doi: 10.1001/archinte.158.17.1894. PMID: 9759685.
- Sigurdson K, Ayas NT. The public health and safety consequences of sleep disorders. *Can J Physiol Pharmacol*. 2007;85(1):179-183. DOI: 10.1139/y06-095
- Simpson CW, Resch GE, Millington WR, Myers RD. Glycyl-L-glutamine injected centrally suppresses alcohol drinking in P rats. *Alcohol*. 1998 Aug;16(2):101-7. doi: 10.1016/s0741-8329(97)00167-5. PMID: 9665311.
- Snyder F, Hobson Ja, Morrison Df, Goldfrank F. Changes In Respiration, Heart Rate, And Systolic Blood Pressure In Human Sleep. *J Appl Physiol*. 1964 May;19:417-22. doi: 10.1152/jappl.1964.19.3.417. PMID: 14174589.
- Soldatos CR, Allaert FA, Ohta T, Dikeos DG. How do individuals sleep around the world? Results from a single-day survey in ten countries. *Sleep Med*. 2005 Jan;6(1):5-13. doi: 10.1016/j.sleep.2004.10.006. Epub 2004 Dec 10. PMID: 15680289.
- Southwell PR, Evans CR, Hunt JN. Effect of a hot milk drink on movements during sleep. *Br Med J*. 1972 May 20;2(5811):429-31. doi: 10.1136/bmj.2.5811.429. PMID: 5067671; PMCID: PMC1788078.
- St Louis EK, Boeve BF. REM Sleep Behavior Disorder: Diagnosis, Clinical Implications, and Future Directions. *Mayo Clin Proc*. 2017 Nov;92(11):1723-1736. doi: 10.1016/j.mayocp.2017.09.007. Epub 2017 Nov 1. PMID: 29101940; PMCID: PMC6095693.
- Stallman HM, Kohler M. Prevalence of Sleepwalking: A Systematic Review and Meta-Analysis. *PLoS One*. 2016 Nov 10;11(11):e0164769. doi: 10.1371/journal.pone.0164769. PMID: 27832078; PMCID: PMC5104520.
- Stepanski EJ, Wyatt JK. Use of sleep hygiene in the treatment of insomnia. *Sleep Med Rev*. 2003 Jun;7(3):215-25. doi: 10.1053/smrv.2001.0246. PMID: 12927121.

- Stevens RG, Blask DE, Brainard GC, Hansen J, Lockley SW, Provencio I, Rea MS, Reinlib L. Meeting report: the role of environmental lighting and circadian disruption in cancer and other diseases. *Environ Health Perspect*. 2007 Sep;115(9):1357-62. doi: 10.1289/ehp.10200. PMID: 17805428; PMCID: PMC1964886.
- Stöwhas AC, Lichtblau M, Bloch KE. Obstruktives Schlafapnoe-Syndrom [Obstructive Sleep Apnea Syndrome]. *Praxis (Bern 1994)*. 2019 Jan;108(2):111-117. German. doi: 10.1024/1661-8157/a003198. PMID: 30722731.
- Strogatz SH, Kronauer RE, Czeisler CA. Circadian regulation dominates homeostatic control of sleep length and prior wake length in humans. *Sleep*. 1986 Jun;9(2):353-64. doi: 10.1093/sleep/9.2.353. PMID: 3505735.
- Sun J. Morning/evening menopausal formula relieves menopausal symptoms: a pilot study. *J Altern Complement Med*. 2003 Jun;9(3):403-9. doi: 10.1089/107555303765551624. PMID: 12816628.
- Tan X, Alén M, Cheng SM, Mikkola TM, Tenhunen J, Lyytikäinen A, Wiklund P, Cong F, Saarinen A, Tarkka I, Partinen M, Cheng S. Associations of disordered sleep with body fat distribution, physical activity and diet among overweight middle-aged men. *J Sleep Res*. 2015 Aug;24(4):414-24. doi: 10.1111/jsr.12283. Epub 2015 Feb 2. PMID: 25644747.
- Tanaka E, Yatsuya H, Uemura M, Murata C, Otsuka R, Toyoshima H, Tamakoshi K, Sasaki S, Kawaguchi L, Aoyama A. Associations of protein, fat, and carbohydrate intakes with insomnia symptoms among middle-aged Japanese workers. *J Epidemiol*. 2013;23(2):132-8. doi: 10.2188/jea.je20120101. Epub 2013 Feb 16. PMID: 23419282; PMCID: PMC3700250.
- Trinder J, Montgomery I, Paxton SJ. The effect of exercise on sleep: the negative view. *Acta Physiol Scand Suppl*. 1988;574:14-20. PMID: 3072835.
- Trotti LM. Restless Legs Syndrome and Sleep-Related Movement Disorders. *Continuum (Minneapolis Minn)*. 2017 Aug;23(4, Sleep Neurology):1005-1016. doi: 10.1212/CON.0000000000000488. PMID: 28777173.
- Tsaluchidu S, Cocchi M, Tonello L, Puri BK. Fatty acids and oxidative stress in psychiatric disorders. *BMC Psychiatry*. 2008 Apr 17;8 Suppl 1(Suppl 1):S5. doi: 10.1186/1471-244X-8-S1-S5. PMID: 18433515; PMCID: PMC2330073.
- Valtonen M, Niskanen L, Kangas AP, Koskinen T. Effect of melatonin-rich night-time milk on sleep and activity in elderly institutionalized subjects. *Nord J Psychiatry*. 2005;59(3):217-21. doi: 10.1080/08039480510023034. PMID: 16195124.
- Vanoli E, Adamson PB, Ba-Lin, Pinna GD, Lazzara R, Orr WC. Heart rate variability during specific sleep stages. A comparison of healthy subjects with patients after myocardial infarction. *Circulation*. 1995 Apr 1;91(7):1918-22. doi: 10.1161/01.cir.91.7.1918. PMID: 7895347.
- Venkateshiah SB, Ioachimescu OC. Restless legs syndrome. *Crit Care Clin*.

- 2015 Jul;31(3):459-72. doi: 10.1016/j.ccc.2015.03.003. Epub 2015 May 1. PMID: 26118915.
- Waldschütz R, Klein P. The homeopathic preparation Neurexan vs. valerian for the treatment of insomnia: an observational study. *ScientificWorldJournal*. 2008 Apr 20;8:411-20. doi: 10.1100/tsw.2008.61. PMID: 18454251; PMCID: PMC5848849.
- Walker MP. The role of sleep in cognition and emotion. *Ann N Y Acad Sci*. 2009 Mar;1156:168-97. doi: 10.1111/j.1749-6632.2009.04416.x. PMID: 19338508.
- Wetter DW, Fiore MC, Baker TB, Young TB. Tobacco withdrawal and nicotine replacement influence objective measures of sleep. *J Consult Clin Psychol*. 1995 Aug;63(4):658-67. doi: 10.1037//0022-006x.63.4.658. PMID: 7673544.
- Wetter DW, Young TB, Bidwell TR, Badr MS, Palta M. Smoking as a risk factor for sleep-disordered breathing. *Arch Intern Med*. 1994 Oct 10;154(19):2219-24. PMID: 7944843.
- Wetter DW, Young TB. The relation between cigarette smoking and sleep disturbance. *Prev Med*. 1994 May;23(3):328-34. doi: 10.1006/pmed.1994.1046. PMID: 8078854.
- Wheatley D. Kava and valerian in the treatment of stress-induced insomnia. *Phytother Res*. 2001 Sep;15(6):549-51. doi: 10.1002/ptr.840. PMID: 11536390.
- Woelk H, Schläfke S. A multi-center, double-blind, randomised study of the Lavender oil preparation Silexan in comparison to Lorazepam for generalized anxiety disorder. *Phytomedicine*. 2010 Feb;17(2):94-9. doi: 10.1016/j.phymed.2009.10.006. Epub 2009 Dec 3. PMID: 19962288.
- Youngstedt SD, Kripke DE. Long sleep and mortality: rationale for sleep restriction. *Sleep Med Rev*. 2004;8(3):159-174. DOI: 10.1111/j.1365-2869.2008.00732.x
- Zarcone VP. Sleep hygiene. In: Kryger MH, Roth T, Dement WC, editors. *Principles and practice of sleep medicine*. 3rd ed. Philadelphia, PA: WB Saunders; 2000. p. 657e61.
- Zee PC, Manthana P. The brain's master circadian clock: implications and opportunities for therapy of sleep disorders. *Sleep Med Rev*. 2007 Feb;11(1):59-70. doi: 10.1016/j.smrv.2006.06.001. Epub 2006 Sep 14. PMID: 16973392.
- Zhang, N. Cao, B. Zhu, Y. A research on the effects of indoor environment on sleep quality Proceedings of the 10th Windsor Conference "Rethinking Comfort" Network for Comfort and Energy Use in Buildings (2018)
- Zhdanova IV, Tucci V. Melatonin, Circadian Rhythms, and Sleep. *Curr Treat Options Neurol*. 2003 May;5(3):225-229. doi: 10.1007/s11940-003-0013-0. PMID: 12670411.
- Zick SM, Wright BD, Sen A, Arnedt JT. Preliminary examination of the efficacy and safety of a standardized chamomile extract for chronic primary in-

## *Kaynaklar*

- somnia: a randomized placebo-controlled pilot study. *BMC Complement Altern Med.* 2011 Sep 22;11:78. doi: 10.1186/1472-6882-11-78. PMID: 21939549; PMCID: PMC3198755.
- Zvonic S, Floyd ZE, Mynatt RL, Gimble JM. Circadian rhythms and the regulation of metabolic tissue function and energy homeostasis. *Obesity (Silver Spring).* 2007 Mar;15(3):539-43. doi: 10.1038/oby.2007.544. PMID: 17372301; PMCID: PMC5693238.