

BÖLÜM 5

ÇOCUK VE ERGENLERDE UYKU BOZUKLUĞUNUN KLİNİK ÖZELLİKLERİ VE DEĞERLENDİRİLMESİ

Abdullah BOZKURT¹

Giriş

Dünya Sağlık Örgütü, sağlığı *bedenen, ruhen ve sosyal yönden tam bir iyilik hâli* olarak tanımlamaktadır. Sağlıklı ve üretken günler, sağlıklı gecelere, yani kaliteli uykuya bağlıdır. Uyku, bilinçli olma hâlinin, duyusal işlevlerin ve istemli kas hareketlerinin azalmasıyla karakterize; geçici, periyodik ve psikofizyolojik bir süreçtir. Çocuk ve ergenlerde tıbbi ve emosyonel sağlık için uygun miktarda uyku süresi ve uyku kalitesi gereklidir. Giderek artan kanıtlar, uyku bozukluklarının çocukların fiziksel, bilişsel, duygusal ve sosyal gelişimi engelleyebileceğini göstermektedir. Bundan dolayı, çocukların uyku sorunlarının belirlenmesi önemlidir. Uyku bozuklukları çocuk ve ergenlerde sık görülmektedir, ancak yeteri kadar fark edilmemektedir veya yetersiz tedavi edilmektedir (1).

Çocuklarda uyku bozuklukları, tıbbi hastalıklarda ve ruh sağlığı bozukluklarında genel topluma göre daha sık görülmekte olup, ikisi arasında çift yönlü bir ilişki vardır. Uykunun düzenlenmesi hem fiziksel sağlığı hem de ruh sağlığını korumak için önemli bir yer tutmaktadır (2).

Çocuklarla çalışan uzmanların çoğu, çocuk ve ergenlerde uyku problemlerini ve bozukluklarını tespit etmek için sistematik bir tarama, tanımlama veya sevk süreci kullanmamaktadır. Bu nedenle, uyku bozukluğu olan çocukların sadece %2 ile %3'ü tespit edilip, tedavi edilebilmektedir (3). Uyku bozukluklarını değerl-

¹ Dr. Öğr. Üyesi, Atatürk Üniversitesi Çocuk ve Ergen Ruh Sağlığı ve Hastalıkları, drbozkurta@gmail.com



Kaynaklar

1. Trozman I, Ivanenko A. Classification and Epidemiology of Sleep Disorders in Children and Adolescents. *Child and Adolescent Psychiatric Clinics*. 2021;30(1):47-64.
2. Gruber R, Carrey N, Weiss SK, Frappier JY, Rourke L, Brouillette RT, et al. Position statement on pediatric sleep for psychiatrists. *Journal of the Canadian academy of child and adolescent psychiatry*. 2014;23(3):174.
3. Luginbuehl M, Kohler WC. Screening and evaluation of sleep disorders in children and adolescents. *Child and Adolescent Psychiatric Clinics of North America*. 2009;18(4):825.
4. Dahl RE. The regulation of sleep and arousal: Development and psychopathology. *Development and psychopathology*. 1996;8(1):3-27.
5. Mindell JA, Owens JA. A clinical guide to pediatric sleep: diagnosis and management of sleep problems: Lippincott Williams & Wilkins; 2015.
6. Sinha S, Jhaveri R, Banga A. Sleep disturbances and behavioral disturbances in children and adolescents. *Psychiatric Clinics*. 2015;38(4):705-21.
7. Baddam SK, Canapari CA, Van de Grift J, McGirr C, Nasser AY, Crowley MJ. Screening and Evaluation of Sleep Disturbances and Sleep Disorders in Children and Adolescents. *Child and Adolescent Psychiatric Clinics*. 2021;30(1):65-84.
8. Owens JA, Dalzell V. Use of the 'BEARS'sleep screening tool in a pediatric residents' continuity clinic: a pilot study. *Sleep medicine*. 2005;6(1):63-9.
9. Baughn J. Pediatric Sleep Disorders. In: Lin K, Takashima M, editors. *Conn's Current Therapy* 2021: Elsevier; 2021. p. 1297-302.
10. Paruthi S, Brooks LJ, D'Ambrosio C, Hall WA, Kotagal S, Lloyd RM, et al. Recommended amount of sleep for pediatric populations: a consensus statement of the American Academy of Sleep Medicine. *Journal of clinical sleep medicine*. 2016;12(6):785-6.
11. Oral E. Uyku Bozukluklarında Temel Belirtiler ve Değerlendirme. Akıncı E, Orhan FÖ, Demet MM, (ed). *Uyku Bozuklukları Tam ve Tedavi Kitabı* içinde. Ankara: Türkiye Psikiyatri Derneği Yayınları; 2016. p. 45-67.
12. Owens JA, Mindell JA. Pediatric insomnia. *Pediatric Clinics*. 2011;58(3):555-69.
13. Sateia MJ. International classification of sleep disorders. *Chest*. 2014;146(5):1387-94.
14. Harbard E, Allen NB, Trinder J, Bei B. What's Keeping Teenagers Up? Prebedtime Behaviors and Actigraphy-Assessed Sleep Over School and Vacation. *J Adolesc Health*. 2016;58(4):426-32.
15. Nixon GM, Thompson JM, Han DY, Becroft DM, Clark PM, Robinson E, et al. Falling asleep: the determinants of sleep latency. *Arch Dis Child*. 2009;94(9):686-9.
16. Mindell JA, Meltzer LJ. Behavioural sleep disorders in children and adolescents. *Ann Acad Med Singapore*. 2008;37(8):722-8.
17. Cooney MR, Short MA, Gradisar M. An open trial of bedtime fading for sleep disturbances in preschool children: a parent group education approach. *Sleep Med*. 2018;46:98-106.
18. Lipton J, Becker RE, Kothare SV. Insomnia of childhood. *Current opinion in pediatrics*. 2008;20(6):641-9.
19. Anderson KN, Bradley AJ. Sleep disturbance in mental health problems and neurodegenerative disease. *Nature and science of sleep*. 2013;5:61.
20. Gradisar M, Crowley SJ. Delayed sleep phase disorder in youth. *Current opinion in psychiatry*. 2013;26(6):580.
21. Reid KJ, Zee PC, editors. *Circadian rhythm disorders*. Seminars in neurology; 2009: Thieme Medical Publishers.
22. Morris CJ, Aeschbach D, Scheer FA. Circadian system, sleep and endocrinology. *Molecular and cellular endocrinology*. 2012;349(1):91-104.
23. Clinical guideline for the evaluation, management and long-term care of obstructive sleep apnea in adults. *Journal of clinical sleep medicine*. 2009;5(3):263-76.



24. Babiker MO, Prasad M. Narcolepsy in children: a diagnostic and management approach. *Pediatric neurology*. 2015;52(6):557-65.
25. Kotagal S. Narcolepsy in children. *Semin Pediatr Neurol*. 1996;3(1):36-43.
26. Wise MS. Childhood narcolepsy. *Neurology*. 1998;50 (2 Suppl 1):S37-42.
27. Wise MS, Lynch J, editors. *Narcolepsy in children*. Seminars in pediatric neurology; 2001: Elsevier.
28. Dauvilliers Y. Differential diagnosis in hypersomnia. *Current neurology and neuroscience reports*. 2006;6(2):156-62.
29. Qureshi A, Lee-Chiong T. Medications and their effects on sleep. *Medical Clinics*. 2004;88(3):751-66.
30. Huang Y-S, Lakkis C, Guilleminault C. Kleine-Levin syndrome: current status. *The Medical clinics of North America*. 2010;94(3):557-62.
31. Marcus CL, Brooks LJ, Draper KA, Gozal D, Halbower AC, Jones J, et al. Diagnosis and management of childhood obstructive sleep apnea syndrome. *Pediatrics*. 2012;130(3):576-84.
32. International Classification of Sleep Disorders—Third Edition (ICSD-3): AASM Resource Library. Darien, IL: American Academy of Sleep Medicine. 2014.
33. Walters AS. Clinical identification of the simple sleep-related movement disorders. *Chest*. 2007;131(4):1260-6.
34. Fusco L, Pachatz C, Cusmai R, Vigevano F. Repetitive sleep starts in neurologically impaired children: an unusual non-epileptic manifestation in otherwise epileptic subjects. *Epileptic Disorders*. 1999;1(1):63-7.
35. Laganière C, Pennestri MH, Rassu AL, Barateau L, Chenini S, Evangelista E, et al. Disturbed nighttime sleep in children and adults with rhythmic movement disorder. *Sleep*. 2020;43(12).
36. Prihodova I, Skibova J, Nevsimalova S. Sleep-related rhythmic movements and rhythmic movement disorder beyond early childhood. *Sleep Med*. 2019;64:112-5.
37. Bonnet C, Roubertie A, Doummar D, Bahi-Buisson N, Cochen de Cock V, Roze E. Developmental and benign movement disorders in childhood. *Movement Disorders*. 2010;25(10):1317-34.
38. Picchietti DL, England SJ, Walters AS, Willis K, Verrico T. Periodic limb movement disorder and restless legs syndrome in children with attention-deficit hyperactivity disorder. *J Child Neurol*. 1998;13(12):588-94.
39. Orhan FÖ, Akıncı E. Parasomniler. Akıncı E, Orhan FÖ, Demet MM, (ed) *Uyku Bozuklukları Tanı ve Tedavi Kitabı* içinde. Ankara: Türkiye Psikiyatri Derneği Yayınları; 2016. p. 101-21.
40. Furet O, Goodwin JL, Quan SF. Incidence and Remission of Parasomnias among Adolescent Children in the Tucson Children's Assessment of Sleep Apnea (TuCASA) Study. *Southwest J Pulm Crit Care*. 2011;2:93-101.
41. Crowley SJ, Acebo C, Carskadon MA. Sleep, circadian rhythms, and delayed phase in adolescence. *Sleep medicine*. 2007;8(6):602-12.
42. Meltzer LJ, Mindell JA. Sleep and sleep disorders in children and adolescents. *Psychiatric Clinics*. 2006;29(4):1059-76.
43. Carney CE, Buysse DJ, Ancoli-Israel S, Edinger JD, Krystal AD, Lichstein KL, et al. The consensus sleep diary: standardizing prospective sleep self-monitoring. *Sleep*. 2012;35(2):287-302.
44. Tonetti L, Mingozzi R, Natale V. Comparison between paper and electronic sleep diary. *Biological Rhythm Research*. 2016;47(5):743-53.
45. Marcus CL, Brooks LJ, Ward SD, Draper KA, Gozal D, Halbower AC, et al. Diagnosis and management of childhood obstructive sleep apnea syndrome. *Pediatrics*. 2012;130(3):e714-e55.
46. Beck SE, Marcus CL. Pediatric polysomnography. *Sleep medicine clinics*. 2009;4(3):393-406.
47. Berry R, Brooks R, Gamaldo C, Harding S, Lloyd R, Marcus C, et al. The AASM manual for the scoring of sleep and associated events: rules, terminology and technical specifications, version 2.3. American Academy of Sleep Medicine, Darien. Westchester, IL; 2016.
48. Rothney MP, Apker GA, Song Y, Chen KY. Comparing the performance of three generations of ActiGraph accelerometers. *Journal of Applied Physiology*. 2008;105(4):1091-7.



49. Meltzer LJ, Montgomery-Downs HE, Insana SP, Walsh CM. Use of actigraphy for assessment in pediatric sleep research. *Sleep medicine reviews*. 2012;16(5):463-75.
50. Sadeh A. The role and validity of actigraphy in sleep medicine: an update. *Sleep medicine reviews*. 2011;15(4):259-67.
51. Smith MT, McCrae CS, Cheung J, Martin JL, Harrod CG, Heald JL, et al. Use of actigraphy for the evaluation of sleep disorders and circadian rhythm sleep-wake disorders: an American Academy of Sleep Medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*. 2018;14(7):1231-7.
52. Ko P-RT, Kientz JA, Choe EK, Kay M, Landis CA, Watson NF. Consumer sleep technologies: a review of the landscape. *Journal of clinical sleep medicine*. 2015;11(12):1455-61.
53. Behar J, Roebuck A, Domingos JS, Gederi E, Clifford GD. A review of current sleep screening applications for smartphones. *Physiological measurement*. 2013;34(7):R29.
54. Khosla S, Deak MC, Gault D, Goldstein CA, Hwang D, Kwon Y, et al. Consumer sleep technology: an American Academy of Sleep Medicine position statement. *Journal of clinical sleep medicine*. 2018;14(5):877-80.