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Titolo	COVID-19 and Sleep: A Global Outlook [[electronic resource] /] / edited by Ahmed BaHamam, S. R. Pandi-Perumal, Haitham Jahrami
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Collana	Progress in Sleep Research, , 2730-5686
Disciplina	612.8
Soggetti	Neurosciences Public health Medicine—Research Biology—Research Neuroscience Public Health Biomedical Research
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. The effect of sleep disruption and circadian misalignment on the immune system -- 2. Changes in the sleep and circadian pattern of sleep during the COVID-19 pandemic -- 3. Anxiety and depression during the COVID-19 pandemic and their impact on sleep -- 4. Sleep problems during the COVID-19 pandemic in children and adolescents -- 5.Sleep problems during the COVID-19 pandemic in children and adolescents -- 6. Sleep disturbances among healthcare workers during the COVID-19 pandemic -- 7. Sleep disturbances among patients with COVID-19 infection -- 8. Sleep patterns and sleep disturbances during the lockdown periods -- 9. Impact of COVID-19 Mobility Restrictions on Sleep and Wellbeing -- 10. COVID-19 vaccines and sleep disturbances -- 11. Sleep during the COVID-19 pandemic: structural inequity and racial disparity -- 12. The effect of cognitive-behavioral therapy and coping strategies on sleep disturbances during the COVID-19 pandemic -- 13. Sleep and circadian rhythm in post-COVID-19 patients -- 14. COVID-19 and obstructive sleep apnea -- 15. The correlation between COVID-19 infection and restless legs syndrome --

16. Impact of COVID-19 pandemic lockdown on disorders of hypersomnolence -- 17. Sleep, Physical Activity, and Diet Patterns During COVID-19 Pandemic -- 18. Impact of screen time during the pandemic of COVID-19 on sleep habits -- 19. Dreams and nightmares during the COVID-19 pandemic -- 20. The impact of the COVID-19 pandemic on sleep medicine services -- 21. Protocols for conducting sleep studies during pandemics -- 22. Management of hospital and home positive airway pressure machines during pandemics -- 23. Telemedicine and telemonitoring of sleep disorders during the COVID-19 pandemic -- 24. Changes in Positive Airway Pressure Application and Practices in Patients with Sleep-Related Breathing Disorder during the COVID-19 Pandemic -- 25. Potential Therapeutic Effects of Melatonin on SARS-CoV-2 Infection.

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### Sommario/riassunto

This book examines the correlation of the coronavirus disease-19 [CE1] [AAS2] (COVID-19) infection with sleep, circadian rhythm, and sleep disorders. The chapters of the book explore sleep problems during the COVID-19 pandemic and its association with psychological distress and also review the prevalence of clinical cases of insomnia, anxiety, and depression in COVID-19 patients. The book further presents the correlation between sleep, circadian rhythms, and immunity that contributes toward more severe COVID-19. It summarizes the evidence on the interplay between circadian biology, sleep, and COVID-19. The chapters of the book discuss the relationship between obstructive sleep apnea (OSA) and adverse COVID-19 outcomes. Towards the end, the book presents studies on the anti-inflammatory, antioxidant, and immunotropic properties of melatonin and provides mechanistic insights into the potential therapeutic use of melatonin during the SARS-CoV-2 infection. The last chapter describes the publication output of sleep-related research during the pandemic and provides an overview and trends on sleep and covid-19 publication output. This book is an excellent source for neurologists, sleep specialists, and public health specialists.

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