

Special Issue

Chronic Respiratory Comorbidities in Sleep-Disordered Breathing: A Holistic Approach

Message from the Guest Editors

This Special Issue aims to explore the complex, bidirectional interaction between SDB and chronic respiratory comorbidities, emphasizing the underlying pathophysiological mechanisms and clinical implications.

We welcome original research articles, reviews, and commentaries assessing how chronic respiratory diseases influence sleep physiology and pathophysiological traits (autonomic dysfunction, hypoxia, sleep fragmentation, endotypes), their clinical presentations, associated cardio-metabolic outcomes and treatment adherence and responses of SDB. We also encourage research on the effects of SDB on the progression, exacerbation risk, and symptom control of chronic respiratory diseases.

Special focus will be given to the molecular and pathophysiological mechanisms such as hypoxia-related oxidative stress, systemic and airway inflammation, endothelial dysfunction, and neurohumoral activation. Shared signaling pathways—including HIF- α , IL-6, TNF- α , and miRNA networks—may drive the mutual amplification of disease burden.

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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