



Sleep Apnea and Intermittent Hypoxia 4.0

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Message from the Guest Editor

Sleep apnea syndrome (SAS) is a highly prevalent disorder, affecting about 14% of men and 5% of women, and its prevalence is rapidly rising because of its strong association with obesity. The major health burden in SAS patients is an increased risk of cardiovascular diseases, such as systemic arterial hypertension, coronary artery disease, heart failure, and stroke, which is an association that is corroborated by numerous large-scale epidemiological and prospective studies. Furthermore, there is increasing evidence of an independent association of SAS with metabolic dysfunction, and, in particular, with alterations in glucose metabolism. Subjects with SAS seem to be at greater risk of developing type 2 diabetes mellitus, insulin resistance, and metabolic syndrome, an association that seems to be, at least in part, irrespective of the degree of obesity. Indeed, SAS and obesity may exert synergistic negative effects on glucose metabolism. However, there are few molecular studies about SAS/IH. This Special Issue aims to provide new findings regarding the molecular events in SAS/IH, as well as their mechanisms.





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Message from the Editor-in-Chief

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