Phenotypic Approaches to Obstructive Sleep Apnea - New Pathways for Targeted Therapy

Guest Editors:

Dr. Andrea de Vito
Head & Neck Department, Ear Nose Throat (ENT) Unit, Santa Maria delle Croci Hospital, Romagna Health Company, 48121 Ravenna, Italy

Dr. Venkata Koka
Consultant, ENT, and Sleep Lab , Paris, France

Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

The pathophysiology of obstructive sleep apnea syndrome (OSA) is heterogenous with various contributing factors. Four contributing phenotypes recently identified are airway collapsibility or impaired anatomy, poor pharyngeal muscle responsiveness, a low arousal threshold, and a high loop gain, interacting alone or together, resulting in different phenotypic traits of OSA.

This Special Issue will focus on OSA pathophysiology and new emerging tools for identification of anatomic and non-anatomic phenotypic traits to enable a targeted treatment approach. In addition, airway limitations (inspiratory flow limitations, negative effort dependence) predict the upper airway (UA) anatomical abnormality and collapsibility with potential cardiovascular risks in pregnant woman and in upper airway resistance syndrome.

OSA treatment options are mainly focused to improve the impaired UA anatomy. Continuous positive airway pressure (CPAP) represents the first-line therapy, but 50% of CPAP users are non-adherent. UA surgery includes a broad list of procedures, providing long-term outcomes in selected patients, although the complete resolution of the apneas is not often obtained.

mdpi.com/si/45596

Special Issue

Editor-in-Chief

Prof. Dr. Edgaras Stankevičius
Medical Academy, Lithuanian University of Health Sciences, Kaunas, Lithuania

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Medicina* (ISSN: 1648-9144). *Medicina* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on medicine. The scientific community and the general public can access the content free of charge as soon as it is published.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, and other databases.
Journal Rank: JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

Contact Us