



Journal of Personalized Medicine

an Open Access Journal by MDPI

CiteScore: 7.2

Indexed in PubMed

Special Issue Reprint

Personalized Medicine for Otolaryngology (ENT)

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Precision medicine endeavors to combine health sciences, engineering, artificial intelligence, clinical genomics, data science, and public health in order to provide personalized and effective health and wellness strategies. In the last decade, personalized medicine has shifted the traditional “one size/drug fits all” approach into a more stratified therapeutic strategy, which includes prevention, diagnostics, therapy/treatment, and rehabilitation. Personalized medicine aims to change the healthcare landscape, focusing on the individual patient to empirically identify the most effective health and wellness strategies at a personal level. This approach will also assess if the cost of treatments is validated by their utility, as well as opening doors for innovations regarding diseases where no current treatments change the course of the disease, such as head and neck squamous cell carcinoma, tinnitus, or hearing loss. This Special Issue provides a broad overview of personalized medicine across all subspecialties of otolaryngology, different clinical or basic science methodology, as well as cutting-edge therapeutic options, such as gene/stem cell therapy. Moreover, this Special Issue covers all aspects of personalized treatment or rehabilitation options in the field of otolaryngology and their positive impact on the patient's survival or quality of life.



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