

Special Issue

Oral Cavity Correlations, Periodontitis and COVID-19

Message from the Guest Editor

The clinical situation induced by Sars-CoV-2 in various target organs has been extensively studied and described. Long COVID syndrome is widely analyzed in the literature, and guidelines have been produced by the world's leading scientific institutions. Scientific evidence concerning the oral cavity is relatively insufficient, but involvement in COVID-19 pathology is established.

Moreover, a significant proportion of patients following a SARS-CoV-2 infection may present with persistent symptoms in the oral cavity. Specifically, the cells comprising the oral cavity express the viral entry receptor, angiotensin-converting enzyme 2, which allows replication and can cause inflammation and tissue destruction. Furthermore, elevated levels of pro-inflammatory mediators in patients with COVID-19 and oral infectious disease may impair tissue homeostasis and cause delayed disease resolution. This suggests the potential crosstalk of immune-mediated pathways underlying pathogenesis.

Guest Editor

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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