

Prolonged COVID-19 symptoms and Dental Considerations: A literature review and clinical recommendations

Trishnika Chakraborty ^{1,*}, Rizwana Jamal², Krithika Subbiah ³ and Swathi Gadadasu ⁴

¹ Department of Conservative Dentistry and Endodontics I.T.S Dental College, India

² Department of Oral and Maxillofacial Surgery Chettinad Dental College and Research Institute, Kancheepuram, India

³ MGM University, Chennai

⁴ Department of Oral medicine and Radiology Anil Neerukonda institute of dental sciences Visakhapatnam, India

* Correspondence: trishnikasrija11@gmail.com

Abstract: *Objectives:* The prolonged effect of the viral attack after the acute phase of SARS-CoV-2 depends on the severity and duration of the infection. This review aims at providing information on the persistent symptoms in COVID-19 recovered patients. Also, this article highlights the dental considerations in such patients with post-COVID-symptoms and their clinical management in dental setup. *Study selection, data and sources:* Literature reviews, systematic reviews, survey studies and case reports were consulted where available, with different combinations of two search term groups using PubMed, Google Scholar and the Scopus, websites of WHO and CDC. *Results:* A total of 45 articles were included in this review. The findings of this article were classified into: persistent symptoms of the recovered patients and challenges that might be faced by the dental team, and the current dental guidelines for pandemic. *Discussion:* A comprehensive dental approach has been proposed for the dental care for COVID-19 survivors for each symptom that should be taken into consideration in dental practice management. Additionally, highlighting the need for further research on aerosol-generation risk, effects of the COVID-19 virus in the oral cavity and the upper digestive tract, effects of thromboprophylaxis in emergent dental treatment in post COVID-19 patients. *Conclusion:* The current state of dental literature is based on expert opinions and guidelines for re-opening dental clinics and performing dental procedures during the pandemic while lacking in empirical studies, particularly for patients who have persistent symptoms after recovering from COVID-19 and require necessary dental treatment. Thus further research can be a guiding tool for dental management of long COVID-19. These data can help us to create a convenient screening tool for the dentists.

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Keywords: COVID-19; COVID-19 recovered; prolonged COVID symptoms; COVID-19 dental; post COVID-19 syndrome



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