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**Periodontal Health and Systemic Health: It's All Linked****Dr. Sharayu R Dhande\***

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The modern era of the study of the association between periodontal and systemic health initiated with epidemiological evidence of the potential link between periodontal diseases and numerous systemic inflammatory conditions. Periodontal diseases are associated with chronic Gram negative infections, which result in local and systemic elevations of proinflammatory prostaglandins and cytokines. Furthermore, there is ample evidence that periodontal bacteria frequently enter the circulation. The study of mechanisms linking oral and systemic health also prompted a resurgence of our interest in biomarkers present in GCF and saliva. The literature published till date on “subgingival microbiome” also advanced our knowledge of the virulence potential of the microbiota on cardiovascular, nervous, renal, respiratory and reproductive systems. The literature published on metabolic activities of the oral microbiome will allow the testing of hypotheses set forth to explain its role in systemic adverse outcomes and the potential discovery of new mechanisms. The new insights generated by this new era of systems biology will unravel a myriad of candidate biomarkers, opening up new opportunities for meaningful advances on how we diagnose periodontal diseases and their effects on systemic health. As a result, in depth studies on periodontal health and its effects on various systems of human body is essential.

**Keywords:** periodontal health, periodontal medicine, systemic health**Biography:**

Dr Sharayu R Dhande has expertise in the field of Periodontology and Oral Implantology and has been associated with M. A Rangoonwala College of Dental Sciences and Research Centre, Pune since her BDS. She was awarded “ Special Jury Award ” for “The Best UG student” by Famdent Excellence in Dentistry Awards (FEDA). She also received “Best Paper Presentation” at 27th Annual National Conference of Indian Society of Oral Implantologists, 2021. She has numerous National and International Scientific Research publications to her credit till date. She has been invited as a guest speaker at national and international levels. She has keen interest in Periodontal Regeneration and Oral Implantology especially Basal Implantology. She has interest in research too and has been currently working on one of the topic of her interest : Dentinal Hypersensitivity. Recently, she has been invited as a ‘Guest Speaker’ at “World Dental Science Congress” which will be held during June 13-15, 2022 in Orlando, USA. She has authored and contributed in many textbooks. Recently, one of her manuscript titled “Air Powder Polishing : An Update” has been selected as a book chapter in book titled : Recent Advances in Medicine and Medical Research”. She has been a part of numerous health camps.