



*Special Issue Reprint*

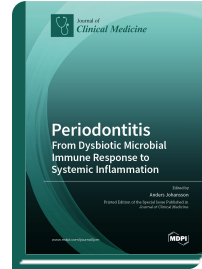
## Periodontitis

[www.mdpi.com/books/reprint/3087](http://www.mdpi.com/books/reprint/3087)

Edited by  
Anders Johansson

ISBN 978-3-03943-507-4 (Hardback)

ISBN 978-3-03943-508-1 (PDF)



Periodontitis is an infection-induced inflammatory disease accounting for huge healthcare costs and socio-economic impacts. Bacteria from the indigenous oral flora colonize the interspace between the tooth and the connective tissue, which induces an inflammatory response. If the bacteria proliferate and release virulence factors, they cause an imbalance in the host inflammatory response that induces degenerative processes in the surrounding tissues. This process is often slow, and the disease affects mainly older people, but the process could be rapid and affect young individuals if certain pathogens colonize the area. The two most studied periodontal pathogens, *Porphyromonas gingivalis* and *Aggregatibacter actinomycetemcomitans*, express virulence factors, including proteases and exotoxins. Periodontal bacteria and their products can be translocated to the peripheral circulation and are therefore linked to the risk pattern of several systemic diseases. However, it is not known if the increased risk for systemic disease associated with periodontitis is an effect of the invading bacteria and/or their released products, the release of components from the local inflammatory response, or a common host susceptibility pattern. The most studied periodontitis-associated systemic diseases are cardiovascular diseases and rheumatoid arthritis. Here, we want to shed light on mechanisms behind the associations of periodontal infections with systemic inflammation.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/3087](http://www.mdpi.com/books/reprint/3087)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.