

Periodontal bacteria

Periodontal diseases are bacterial infectious diseases. Up to date, several periodontal pathogen such as Porphyromonas gingivalis, Prevotella intermedia, Treponema denticola, Aggregatibacter actinomycetemcomitans and Tannerella forsythia have been identified. Resulting from the interaction between these bacteria and host immunity, the inflammation is occurred in periodontal tissues. Finally, alveolar bone absorption is occurred to cause severe tooth mobility. These periodontal pathogens are mostly gram-negative anaerobic bacteria. Many virulence factors such as lipopolysaccharides, exotoxins and exoenzymes are identified. As well as cariogenic bacteria, these periodontal pathogens are related with systemic diseases such as arteriosclerosis diabetes, hypertension and premature birth.

