

Oral cleaning device with cavitation jet

Possible to remove bio-film more effectively than pulsatile water jet. Qualified by human trial.

Overview

Toothbrush, pulsatile water jet, ultrasonic scaler, dental raser and oral rinse are used to wash bio-film or cavity accumulated on teeth or surface of implant. However, while they can remove macroscopic bio-film, they can not completely remove bio-film accumulated in narrow space on rough surface of tooth or dental implant. In the result, number of dental extraction from peri – implantitis or periodontal disease is not small. This invention provides the oral cleaning device which can remove bio-film by using cavitation jet.

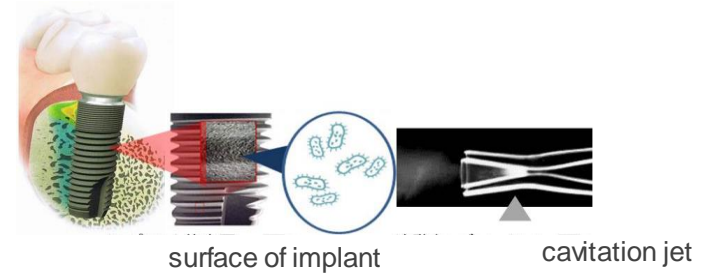
Effect & Application

This invention applies impact power of bubble collapse on cavitation jet utilized metal surface fabrication to remove bio-film accumulated on surface of implant. It is qualified by human trial that this invention can remove bio-film accumulated in surface of implant.

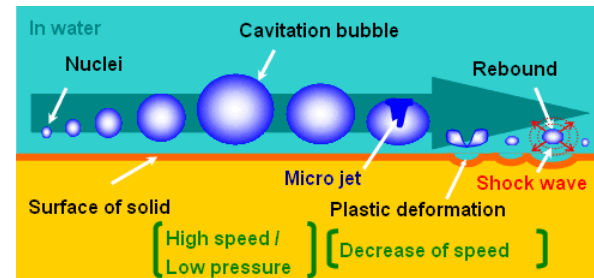
IP Data

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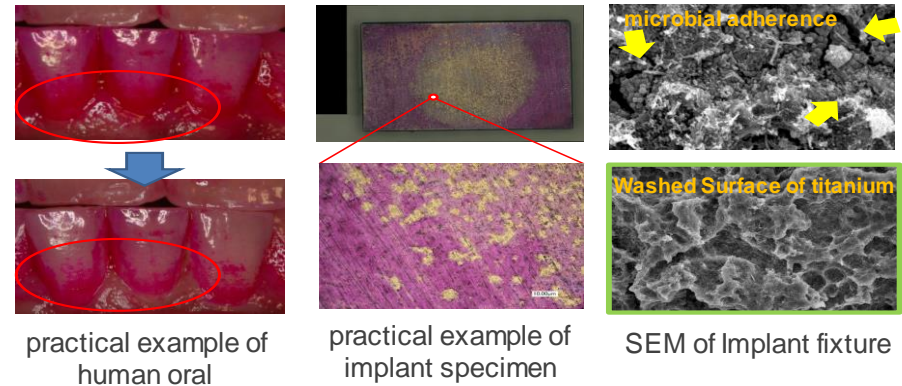
Image of this device



What is cavitation



Result of human trial



Contact