

Oral cleaning device with cavitation jet

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

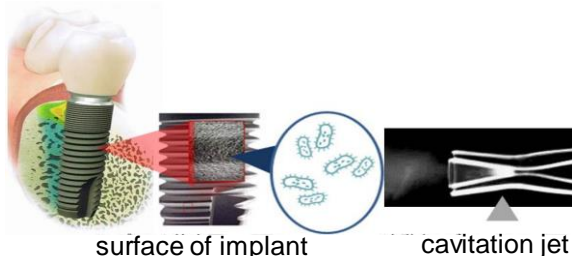
Summary

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.

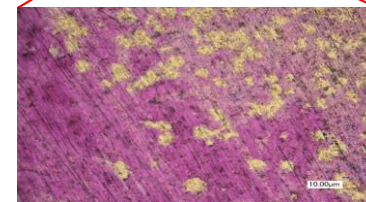
Image of this device



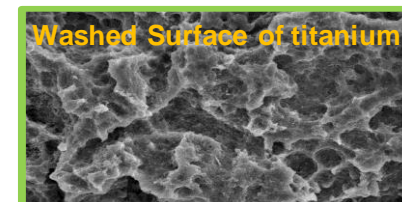
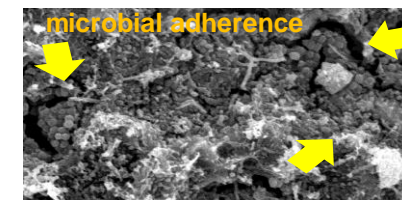
Result of human trial



practical example of
human oral
Contact

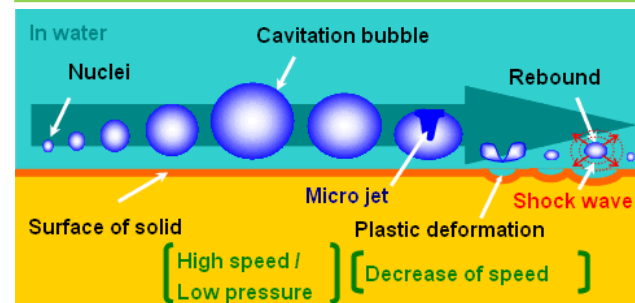


practical example of
implant specimen



SEM of Implant fixture

What is cavitation



Patent Information

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