UV SURFACE TREATMENT DEVICE FOR DENTAL PARTS

The present invention provides an ultraviolet irradiation for surface treatment of a dental implant which can be used as a general-purpose product in most of implant products that are released to the market and which can be promptly applied in an implant surgery after a surface treatment.

TYPE OF DEVELOPMENT

Surgical Device.

DESCRIPTION

Dental implant treatment has shown low failure rates. However, when implants and are not well tolerated there are risks inherent to the surgical technique, and social and economic cost. Therefore, developing clinical or pharmacological procedures that increase success rates is an objective of implant dentistry professionals and implant manufacturing companies.

The developed device irradiates artificial dental parts such as titanium implants with ultraviolet light just before placing them in the patient's mouth reducing the failure rate. It is.

INDICATION

To be used in dental offices by dentists themselves, like any other dentist-specific tool or appliance for patients needing implant surgery.

NOVELTY/ADVANTAGE

- Improves implant osteointegration comparing to ordinary procedure.
- Lightweight, easy-to-use device.
- Seamless integration in dental office.
- Low maintenance costs.
- Mercury-free, LED-based irradiation.
- Compliance with UNO-sponsored Minamata convention on mercury*.

*See www.mercuryconvention.org

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COOPERATION GOAL

- Company interested in the license and commercialisation.
- Development collaboration.