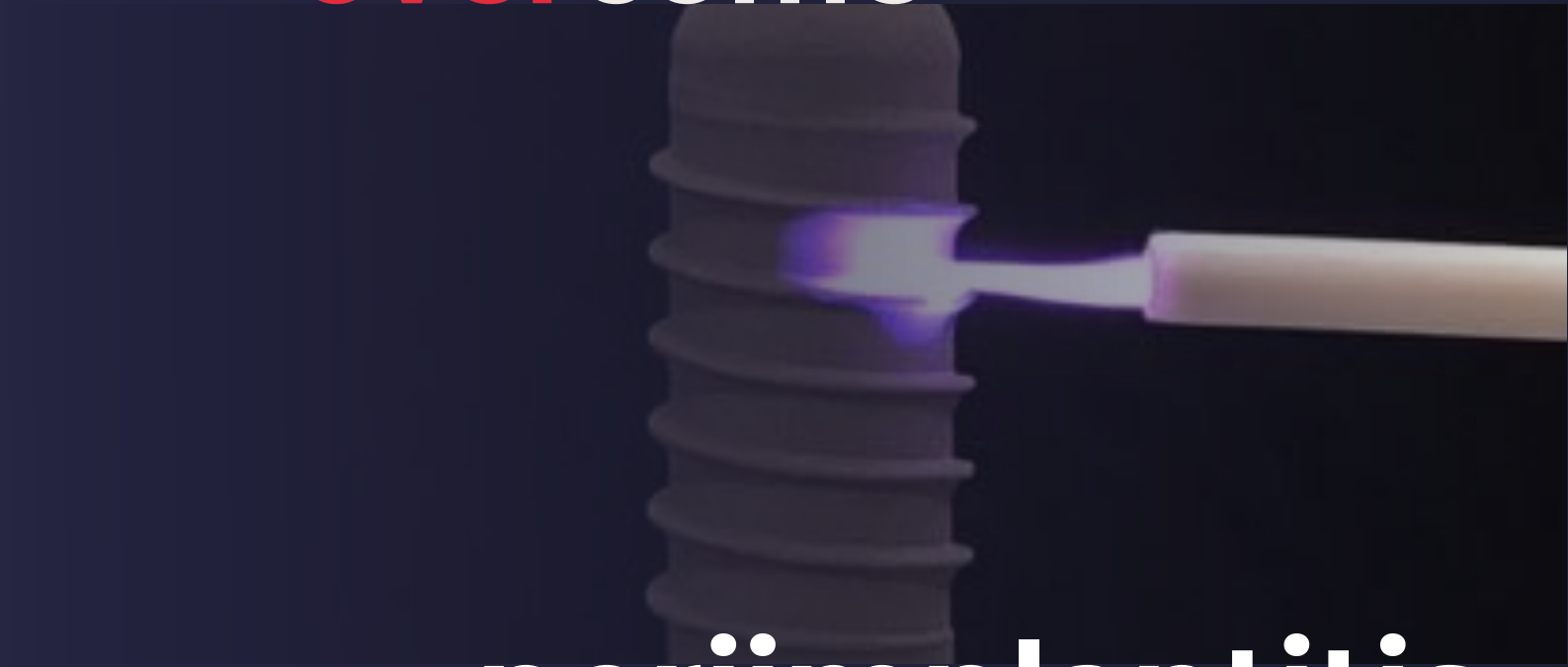
overcome

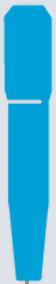


periimplantitis

AmbiJet

BASE STATION

Compact
One-button device (On / Off)
Foot switch (plasma ON)



HANDPIECE

excellent usability
Ergonomics of contra-angle instruments
High quality material

- Surgical treatment
- Mechanical pre-cleaning with scaler
- 2 minutes AmbiJet treatment

INITIAL TREATMENT APPLICATOR

Ø 1.3mm | Single-use

- Conservative treatment
- Sliding the flat nozzle between implant and gum
- 2 minutes AmbiJet treatment

MAINTENANCE TREATMENT APPLICATOR

300µm flat | 360° rotatable nozzle | Single-use

Plasma disinfection

AmbiJet is designed from the ground up for dentistry. AmbiJet kills bacteria highly efficiently, reduces the likelihood of reinfection, thus helping regenerative measures and promoting healing. The device also ensures a high level of safety for the patient and the operator. The treatment is safe and painless.

Pharmacology and chemistry

Pharmacologically gels and liquids reach their limits in the tiny dimensions of oral micro-cavities. Drug administration (e.g. antibiotics) is often ineffective, especially in severe cases because the active agents cannot reach the target site. Tiny antibiotic inserts have a positive way around, but are still not the ideal solution.

Mechanical treatment

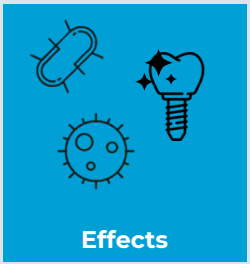
Mechanical treatment of the implant will remain the backbone of periimplantitis treatments in the future. Innovations in this field lie in high-tech refinements of the instruments (e.g. ultrasonic scalers, powder jet devices, high-quality optics) and pioneering material decisions (e.g. nickel-titanium files).

Effects

Side effects

Medicine has become accustomed to balancing intended effect, side effects and adverse events. Severe negative consequences caused by chemicals and drugs are considered acceptable in the context of serious diseases or even death.

PHARMACOLOGY



Effects

Side effects

Plasma has found an increasing number of applications in medicine, e.g. in dermatology to treat chronic wounds. Plasma technologies are even being developed for cancer therapy. They showed no side effects such as:

1. no formation of resistance as with antibiotics
2. no irritation as with chemicals
3. no pain

PLASMA MEDICINE

Complete disinfection

Investigations and studies have shown that bacteria, bacterial biofilm and bacterial residues (e.g. endotoxins) and many other pathogenic particles are killed, disintegrated resp. inactivated on the implant surface.

Reduced re-infection

The plasma has been shown to have the physical effect of reducing the amount of bacteria that re-colonize on the treated surface.

Improved tissue regeneration

Recent investigations provide evidence that re-integration of the implant into the tissue occurs faster and more successfully after plasma treatment.

F M T
the implant care company

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