

perio green®

Bare your teeth at bacteria with perio green® from elexxion

Periodontitis and **peri-implantitis** – the green light for photodynamic therapy



Image subject to model

elexxion
dental laser

Scope of delivery: safe and effective

- Indocyanine green is a photothermal active substance, in contrast to other active substances for which activation by light is disputed.
- The low viscosity of **perio green®** ensures penetration right down to the pocket floor.
- No undesirable pigmentation of the tissue.

One pack of **perio green®** contains:

- 20 tablets **perio green®** 0.2 mg



ellexion **pico lite**



ellexion **pico**



ellexion **nano**



ellexion **claros**



PTT – extremely **light-sensitive**

As gentle as it is effective, photothermal therapy (PTT) is a pioneering alternative to standard treatment methods. Due to the indocyanine green dye, **perio green®** works faster than any other method and requires the least effort. Indocyanine green binds to plasma proteins occurring in the membranes of bacteria cells and stains them. Exposure to light of a certain wavelength (808 nm = standard ellexion diode laser) results in a local temperature increase that damages the cell walls of the bacteria, resulting in the death of the bacteria cells.

Treatment cycle – leading to significant **microbial reduction**



1. Mixing

- Active ingredient tablets dissolved with 2 ml of sterile medical water in a sterile mixing container
- Finished solution drawn into a sterile disposable syringe (auxiliary cannula, e.g. 0.9 mm sterile)

Duration: approx. one minute



2. Application

- Solution applied using sterile disposable (use of an application cannula 0.3 mm sterile) syringe in periodontal pockets, implant surfaces etc. (recommended method: application in quadrants)

Duration: approx. two minutes



3. Effective phase

- The active ingredient solution binds to bacteria cell membranes, stains them and sensitises the bacteria.

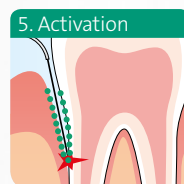
Duration: approx. two minutes



4. Rinsing

- Excess active ingredient rinsed out
- Green-stained bacteria remain

Duration: approx. one minute



5. Activation

- Active ingredient activated by light energy from laser
- Stained bacteria destroyed

Duration: approx. one minute