SAFE FOR DOCTOR AND PATIENT

FUNCTIONALITY AND COMFORT

EVERYTHING AT A GLANCE

DATABASE, MANUAL AND SAFETY KEY IN ONE

MULTIFUNCTIONAL ACCESSORIES

COMFORTABLE WORKSTATION

SAFE FOR DOCTOR AND PATIENT

LASER SMART™

...BE SMART... START TREATING AT LAST!

LX03-D-EN-01.2019
Broszura 630x297mm - PL laser SMARTm PRO 405_635_980 _CaStudio v4.indd   2
25.02.2019   11:18
**WHY TO CHOOSE LASER SMART PRO?**

- Faster healing of the gums
- Sterilized cavity treatment
- Blockages simply without surgery
- Effective pain management
- Endoscopic therapy for one visit
- Quicker and painless orthodontics
- Whitening without hypersensitivity
- Lesion analysis USA
- Diagnosis on the location of bacterial inflammations

**PHOTOTHERMAL EFFECTS**

**MICROSURGERY**

**PERIODONTOLOGY**

**ENDODONTICS**

**WHITENING THERAPY**

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**THERE IS NO ONE UNIVERSAL WAVELENGTH**

Lasers SMART PRO is using three wavelengths: 405nm, 635nm and 980nm complement each other to create a complete device that can be used in every situation. Taking into account the measurement conditions and soft tissue, which is comprised approximately 70% of water, depending on the wavelength, are used soft tissue and photochemical effects.

The 405nm wavelength used in the laser SMART PRO shows excellent photochemical effects. Piles to the high absorption in water. This wavelength is also optionally selected for the photocytotoxic effects, local coagulation, hemostasis and hemostasis.

The second wavelength 635nm due to the high soft tissue absorption efficiency in case of various tissues or dental hard tissue is ideal. The results in soft tissue cutting and coagulation are the most effective and uniform compared to other wavelengths, because contact photocoagulation that wavelength allows to use laser treatments for endodontics, periodontics, to have a greater tissue management.

Additionally the laser can be equipped with diagnostic 980nm wavelength, based on the autofluorescence phenomenon a doctor can precisely diagnose the extent of bacterial inflammations and changes on the mucosa invisible to the naked eye.

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**PHOTOCHEMICAL AND PHOTOBIOLOGICAL EFFECTS**

**PHOTOCHEMICAL AND PHOTOBIOLOGICAL EFFECTS**

**PHOTOCHEMICAL ACTIVATED DISINFECTION**

**DIAGNOSIS**

Diagnostics: dental caries, calculus, plaque, mineral fracture, non-vital teeth, fillings, prosthetic restoration, excision of tissues and excision of oral mass.

Photochemical effects are to be ideal for photo-therapy because of the ideal photoinduced changes, possibility of changing the panchromatic picture of cavity, colorinal experiments.