

# GENIUS

faster, better  
procedures  
and improved  
ergonomics



## Patients

### What is periodontitis?

Periodontitis is a dental disease that occurs when the gums are inflamed. This inflammation can spread to the bone, where the teeth are attached.

### What causes periodontitis?

Bacteria, which often accumulate in the soft deposits of the teeth, along the edges of the gums and on tartar.

### What does periodontitis do?

It causes inflammations of the gums where they become swollen and tender, and turn dark red. In addition the gums bleed easily, especially when you brush your teeth. If the disease is allowed to progress, the seal between the teeth and the gums is broken and a crevice-like gap (pocket) forms between the teeth and the gums. At the same time, the bone is attacked by bacteria and bone tissue is lost. This causes the bone to disintegrate, the teeth begin to loosen and eventually they can fall out. In about 10% of cases, periodontitis becomes so serious that the person can lose their teeth, if they do not have the appropriate treatment.

### Who is affected by periodontitis?

Most people suffer from periodontitis to some degree. About 70% of the population is affected by periodontitis at some time in their lives. People over the age of 40 are especially prone to the condition, and studies have shown that it is inherited.

## Patients benefits

- No anaesthetics.
- No bleeding during treatment.
- No suturing and wound paste required.
- No post operative pain
- No fear or trauma
- Faster healing
- Faster treatment



## Specifications

Genius 9 SDL has optimized parameters for soft tissue treatments, which cannot be compared to any other laser on the market today.

<b>Laser type:</b> Nd: YAG (Neodymium - Yttrium - Aluminium - Garnet) 1064nm.
<b>Laser mode:</b> Super pulsed, frequency 10 - 200 Hz. Pulse duration 100 - 800 microsec.
<b>Output power:</b> Power 1 - 12 Watts / 1200w pulse peak
<b>Cooling of tissue:</b> Water/air spray system.
<b>Operation mode:</b> Presetting of optimum parameters for the chosen application.
<b>CE certified by LNE/G-MED:</b> CE 0459, - 93/42/EEC, ISO 13485 certified by LNE/G-MED, CFDA approved.

The above specifications allows the dentists an optimal performance within all soft tissue applications.

# GENIUS



a beautiful  
and healthy smile

## Treatments

- Periodontal pocket curettage
- Removal of pocket epithelium
- Perio-Implantitis
- Papillectomy
- Pocket elimination surgery
- Gingivectomy & gingivoplasty
- Crown lengthening surgery
- Frenectomy
- Surgical removal of fibroma
- Opening of an abscess

### Additional treatments

- Tooth hypersensitivity
- Disinfection of root canals
- Small caries removal

DETECTION BY LASER											
PATIENT	TOOTH	AA	PG	PI	TF	TD	AA	PG	PI	TF	TD
G.M.	16d	0	0	5	5	6	0	0	0	0	0
L.J.	17m	0	0	7	7	8	0	0	0	0	0
	15d	0	8	0	7	0	0	0	0	0	0
C.P.	24d	0	0	0	5	0	0	0	0	0	5
B.V.	36d	0	8	0	7	0	0	0	0	0	0
P.I.	14m	6	6	6	0	0	0	0	0	0	0
B.C.	46m	0	8	0	8	0	0	0	0	0	0
W.A.	11m	0	8	0	8	0	0	0	0	0	0
S.H.	15d	5	6	7	6	0	0	0	0	0	0
W.B.	46d	0	8	6	8	0	0	5	0	0	5
S.E.	11d	0	8	0	7	0	0	0	0	0	0
W.P.	14d	7	0	0	7	0	0	0	0	0	0
P.L.	16m	0	8	0	7	0	0	0	0	0	0

8 = Very strong positive  
 7 = Strong positive  
 6 = Positive  
 5 = Weak positive  
 0 = Not detectable

## Genius 9 SDL

Dental lasers are playing an increasingly important role in periodontology, providing fast, simple and highly effective treatments for procedures such as closed curettage, gingivoplasty, crown lengthening, surgery and more.

The Genius 9 SDL provides dentists and hygienists with an easy approach to treat periodontal disease without pain, anaesthesia, bleeding and much faster than conventional treatment.

The Genius 9 SDL patented water/air spray-cooling system provides speed, visibility and comfort unrivaled in LED based or competing ND:YAG laser systems.

Genius 9 SDL is the market's most user-friendly laser. The interactive Touch Screen offers the latest technology and displays a menu for virtually all treatments.

## Spray cooling

Genius 9 SDL was developed with a combined water and air cooling system. This combination of a Nd: YAG laser and added cooling not only controls penetration but also allows dentists to perform easy, fast and painless treatment.

## Join our training days

Join one of our Genius 9 SDL training days.

### Program

- Theory behind dental lasers
- Hands-on training
- Live demonstration
- Economy

Please forward more information:

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