

# FotoSan<sup>®</sup> LAD

There are so many good reasons to use FotoSan<sup>®</sup> LAD treatment and your patients deserve it

Make life easier for the dental staff and the patients.

Made in Denmark

## Features

- Output power up to 4000 mW/cm<sup>2</sup>
- Wavelength spectrum 620 to 640 nm
- Treatment time pr the affected area is 15 to 30 seconds
- Very powerful battery capacity and longevity

## Ergonomics and hygiene

- Ergonomic pen grip
- Can be operated by both right and left hand
- Easy and precise positioning – rotates 180°
- Lightweight and still strong – weighs less than 120 grams
- Hygienic choice of material
- Easy to clean



**CMS Dental**  
Our Innovation Your Success

## FotoSan® LED

Since it's **easy to integrate** the procedure into the routines of the dental office, it's just a matter of getting started. The joy of treating with FotoSan® and seeing the overwhelmingly **positive effects** is a great satisfaction.

LAD has come to stay as a perfect tool to disinfect the oral cavity. Here is why it is so important:

- 750 million people suffer from periodontitis and we can do something about it.
- 50% of all root canal treatments fail because of secondary infections and we can do better than that.
- FotoSan® LAD treatment can improve conditions for these patients, and it's an easy and fast procedure.
- Prevention is always the preferred treatment, but it's never too late to improve the prognosis.

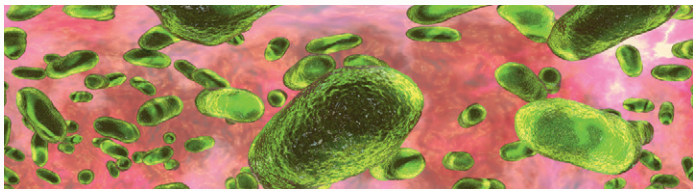
FotoSan is the perfect tool for this as it has so many advantages:

### Immediate effect

The LAD effect is instantaneous, as the chemical reaction takes only a fraction of a second.

### Effective against all microorganisms

FotoSan® kills all microorganisms, such as bacteria, viruses and fungi.

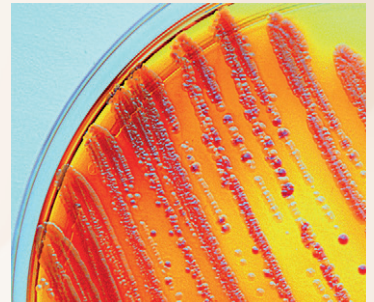


### Dose-dependent effect

LAD is dose-dependent but without side effects or risks, and you can treat until the desired effect is achieved. All microorganisms are not equally sensitive to LAD treatment. Larger and more complex cell structures might need more treatment (i.e. higher dose). However, the basic principle remains - if you treat long enough, all microorganisms will die.

### LAD treatment can be repeated indefinitely

If necessary, LAD can be applied several times without side effects or risks. Most often a PA patient is treated with systemic antibiotics regularly some even every 3 or 6 months.



### No development of resistance with LAD treatment

One of the biggest challenges in healthcare is the development of 'superbugs'. Genetic conditions dictate, in principle, that bacteria develop resistance to all antibiotics over time.

When the destructive effect with LAD occurs in a fraction of a second, this is not a risk.

### No side effects

No side effects of any kind have been reported from the treatment. This is because the photosensitizer does not bind to the surface of normal human cells, but rather to all types of microorganisms. The reactive oxygen compounds (ROS) produced have an extremely short lifetime (nanoseconds). The photosensitizers used have a much lower affinity for mammalian cells, so no negative effects are seen on them, and hence no side effects in practice from the treatment.

### To achieve success with FotoSan

The photosensitizer must be able to reach the target. The light must be able to reach the photosensitizer.

**It's that simple.**

## CMS Dental

CMS Dental has been manufacturing curing lights and lasers for satisfied customers worldwide for more than 25 years.

Safety, precision, and efficiency are our core values and should be the focus when dealing with patient care.

The goal has always been to keep products simple to make treatments safe and dental choices easy. The less technical, the easier it is to work with the products and the less stressful it is for the patients.

Our lights are reliable, high intensity, fast, ergonomic, easy to use and clean, making work easier for the dental staff.

CMS Dental is a family-owned company with production facilities in Denmark. The company has a top priority on recycling raw materials and has done so since the very beginning 25 years ago. The company, therefore, recycles materials as much as possible without compromising on the quality of its products. CMS Dental aims to achieve greater sustainability in production through further recycling and choosing specialized partners in the local area.

### More information:

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