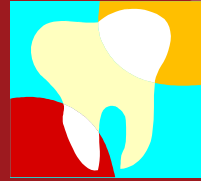


# GOULD'S GUMS GAZETTE

SPRING 2011



## LANAP™

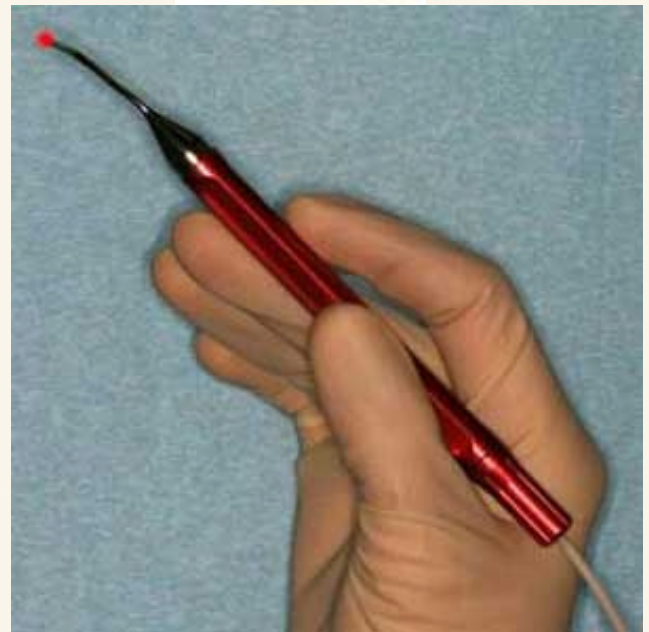
### NEW LASER FOR TREATING PERIODONTAL DISEASE

In addition to the CO2 laser I have been using for many years in a variety of periodontal surgical procedures, I have just acquired a new laser.

The laser is the Millennium Dental Technologies MVP-7. It is the World's first digital dental laser and is a free running pulsed Nd:YAG laser specifically designed to treat periodontal disease. The laser's wavelength can specifically target periodontal pathogens, remove the diseased lining of the pocket, and encourage reattachment.

LANAP and LPT (Laser Periodontal Therapy) are different words for the same procedure. LANAP is a patented and FDA approved procedure for the treatment of periodontal disease. The laser targets and kills disease causing periodontal bacteria within the pocket while at the same time removing the lining of the pocket and eventually helping to seal the gums back up against the teeth to allow reattachment and reduce pocketing.

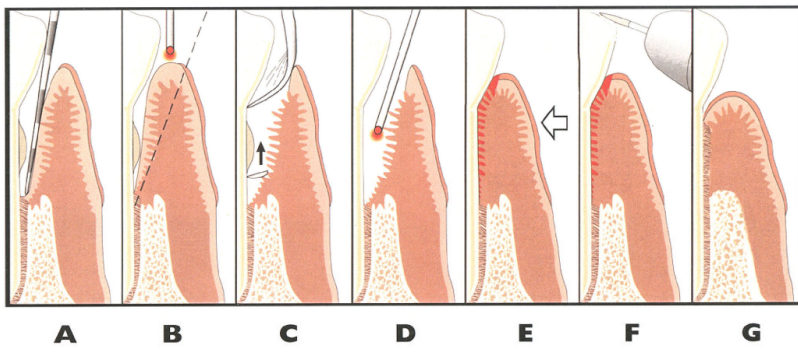
LANAP provides an opportunity to successfully treat patients with moderate to advanced periodontal disease without the need for traditional "cut and sew" techniques. Treatment also includes adjusting the occlusion to remove premature contacts as well as temporary stabilization of any loose teeth. Training prior to being licensed to use the laser involves a 3 day "Boot Camp" and two additional days of training during the first year of use.



Use your smartphone to scan this code and watch the video.



## How Does it Work?



- A. Probing to the base of the pocket.
- B. Laser removes the diseased lining of the pocket and kills pathogenic plaque bacteria
- C. Root planing with ultrasonic and hand instruments
- D. Laser finishes pocket debridement and helps seal gum against tooth
- E. Initial attachment of gum against the tooth
- F. Bite trauma is adjusted
- G. Healing occurs



## WHO WOULD BENEFIT FROM LANAP?

Studies have shown that although many people suffer from periodontal disease, they either do not seek treatment or do not follow through with recommended treatment because they are afraid of traditional surgical flap procedures.

Because LANAP is a “No Cut, No Sew” technique, with relatively little post operative discomfort and results often comparable to traditional periodontal surgery, the patient acceptance rate is usually much higher.

In a human histological study by Yukna et al. (Periodontics and Restorative Dentistry, vol 27, pp 577-587, 2007) it was shown that in all six subjects treated by LANAP there was new cementum and new connective tissue attachment.

In the controls, five out of six healed with a long junctional epithelium with no evidence of new attachment.

**It also appears that in some ways, the more inflamed the tissue initially, the better the eventual outcome. In other words it is better to treat moderate to advanced cases with LANAP without preliminary scaling and root planing.** Nevertheless, although LANAP is usually a “whole mouth” technique, the laser can often also successfully be used for the treatment of isolated areas of pocketing as well

Traditional periodontal surgery techniques still have their place under certain circumstances, but LANAP now gives us one more treatment option to offer to our patients

Of course, if you have any questions don't hesitate to give me call.