

## PATIENT HISTORY

A 73 year-old female patient was referred for treatment of periodontal disease on teeth and implants on 1/9/12. She reported a history of two full-mouth periodontal surgery treatments about 30 and 20 years ago. Implants and bridges were placed 13 years ago. She was a heavy smoker for about 50 years, but stopped 10 years ago. She reports that she is in excellent health.

## TISSUE CONDITION

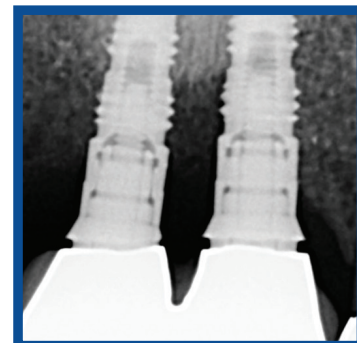
Tissue was initially inflamed, and implants and several teeth had suppuration. She was very sensitive to probing. Bacterial culturing by USC revealed high levels of *P. gingivalis* (3.1%) and enteric rods (2.0%) and moderate levels of *P. micros*, *Fusobacterium*, and *D. pneumosintes*.

## TREATMENT APPROACH

Standard LANAP® and LAPIP™ (peri-implantitis) treatment was performed on 2/14/12 with the PerioLase® MVP-7™. Two second molars with 11 mm pockets were extracted and one implant in #31 area was extracted. It had bone loss beyond the apex. Occlusal adjustment was performed and her general dentist adjusted an occlusal guard which she has worn for 30 years.

## RESULTS

Post-op on 1/28/13 shows tissue is healthy with no sensitivity to probing, bleeding, or exudate. Significant new bone regeneration and pocket reduction was noted.



Pre-Op  
Pocket Depths:  
8,6,7      7,4,9



12 months Post-LAPIP Protocol  
Pocket Depths:  
4,2,3      3,3,4



### ABOUT THE AUTHOR: THOMAS K. MCCAWLEY, DDS, FACD

Dr. Thomas McCawley has practiced periodontics in Fort Lauderdale for over 30 years. A graduate of the University of Illinois College of Dentistry, Dr. McCawley holds a specialty degree in Periodontics from Boston University School of Graduate Dentistry. He is a visiting lecturer at the College of Dental Medicine at Nova Southeastern University and formerly at Temple University College of Dentistry. He is co-chairman of Clinical Periodontics at the

Broward College Dental Research Clinic and a Fellow of the prestigious American College of Dentists. Dr. McCawley had one of the first Nd:YAG lasers in the country in 1990. Since that time he has treated over 5000 patients with a variety of lasers making him one of the most experienced laser clinicians in the world. He is one of the principal investigators in the multicenter study comparing LANAP® with Modified Widman surgery, subgingival scaling and coronal debridement. Dr. McCawley has published two research studies on the effects of the Nd:YAG laser on subgingival bacteria.

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