

**Ryan M. Jenkins, DMD**

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## PATIENT HISTORY

A 43-year-old male patient presented to our office based on an initial diagnosis from the referring office of periodontal disease. Upon examination, localized gingival inflammation with heavy bleeding on probing were present. Radiographically, a deep infrabony defect on the distal of #14 with buccal probing depths of 3, 3, 9 and palatal probing depths of 4, 3, 10 were present. The patient's health history was unremarkable with average oral care at home.

## TREATMENT APPROACH

A diagnosis of localized severe chronic periodontitis was given. Localized laser periodontal treatment utilizing the Nd:YAG PerioLase® MVP-7™, occlusal therapy, and associated post-operative protocol to treat #14 was presented and accepted by the patient, and the treatment was completed on 4/4/19. The patient returned to our office for debridements, periodontal maintenance, and continued occlusal therapy at 1 week, 1 month, 2 months, 3 months, 6 months, 9 months, and 1 year. Due to the COVID-19 pandemic, his periodontium was re-evaluated on 5/12/20, 13 months after laser periodontal therapy, and periodontal charting as well as a peri-apical radiograph were completed to compare to baseline.

## RESULTS

The 13-month post-operative peri-apical radiograph revealed significant bone fill when compared to the baseline radiograph taken at the initial consultation, showing evidence of bone regeneration on the distal of #14. Periodontal charting also showed significant improvement in pocket depths, which improved to 3, 3, 3 on the facial and 3, 3, 3 on the palatal. Intraorally, the soft tissue was pink, firm, and healthy with no signs of bleeding or inflammation. Anecdotally, we also noticed the patient's oral health care at home was much improved.



### ABOUT THE AUTHOR: RYAN M. JENKINS, DMD

Ryan M. Jenkins, DMD is a board-certified periodontist and dental implant surgeon, as well as a Diplomate of the American Board of Periodontology. He obtained a Doctor of Dental Medicine degree from Tufts University School of Dental Medicine. He received the Resident of the Year Award and the Dr. DiMango Award for Excellence in Oral and Maxillofacial Surgery during his GPR residency. Realizing his passion for periodontics and dental implants, he pursued his specialty education at NYU Lutheran Dental Medicine. During his residency, Dr. Jenkins conducted a research study utilizing amniotic biologic growth factors in bone regeneration and was awarded the Best Project in Periodontics: Resident's Research Award Competition. Dr. Jenkins has also been selected by his peers as a Top Dentist for 2019 and 2020 in the 5280 magazine.

Pre-Op



Pre-Op: April 2019  
#14: 3,3,9 mm | 4,3,10 mm

13 Month Post-Op



Post-Op: May 2020  
#14: 3,3,3 mm | 3,3,3 mm