

Courtesy of **Scott S. Manhart, DDS, MS**

LAPIP<sup>TM</sup> Periodontist since 2013  
 Periodontal Specialists of Montana, Billings, MT

### PATIENT HISTORY

Patient was a 79 year-old female, referred from her GP who placed an implant fixture on #23. At the time of the examination, there were circumferential 9mm probing depths around the implant with 6mm on the distal of #24. Bleeding on probing and suppuration were noted at all probing sites around the implant. Pre-op PA revealed radiographic bone loss on the mesial of the implant and distal #24.

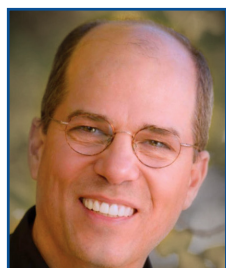
### TREATMENT APPROACH

The site was treated according to the LAPIP protocol, including copious irrigation. Once the base of the defect was adequately ablated, Piezo scaler fine tip was used to access the bone and ball tip used to decontaminate the implant surface. Hemostasis was achieved with 300µm fiber 2.8 watts, 20 hz 650 us/p. Occlusal adjustment was done to reduce centric and excursive load.

### RESULTS

The patient was seen for post-op polish and a single MV at 3 months and then failed to return again for follow-up.

3 years post-op, she returned to the office with a mucogingival complaint on the mesial of #24. Gingival margins showed minor recession on the lingual of #24; almost no additional recession around the implant at #23; and slight improvement on the lingual of #22. Not only were we able to maintain gingival height, we were able to achieve regeneration in a narrow defect where it would have been difficult to place biologics and graft. Probing depths were 2mm circumferentially and PA radiograph showed amazing healing of the bone in the 23/24 area.

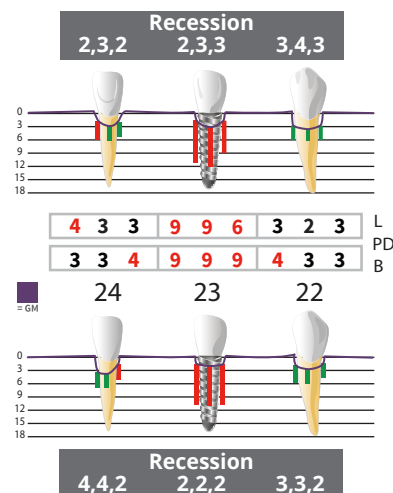
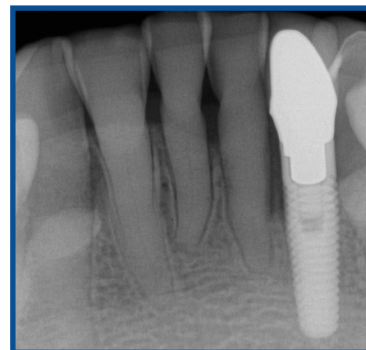


**ABOUT THE AUTHOR:**  
**SCOTT S. MANHART, DDS, MS**

Dr. Scott Manhart is highly regarded among the community of dentists in Billings, MT. Manhart graduated with a degree in human genetics from University of Wisconsin, Madison. He graduated with honors in 1986 from the University of Minnesota School of Dentistry in Minneapolis. Focusing on periodontics, pathology, and endodontics. In 1990, Manhart entered his residency in periodontics at University of

Nebraska Medical Center, Lincoln. He earned both his specialty certification and a master's degree in immunology. In 1993, Dr Manhart received the Academy of Periodontology's highest recognition for original research in Immunology. In 1999, he completed his board exams to become a diplomate of the American Board of Periodontology.

Pre-Op



3 Years Post-Op

