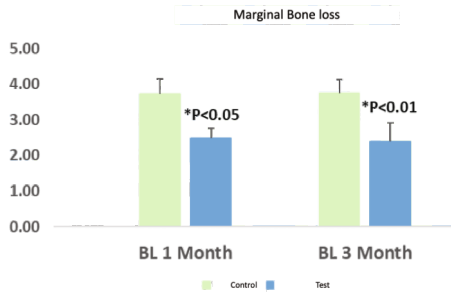


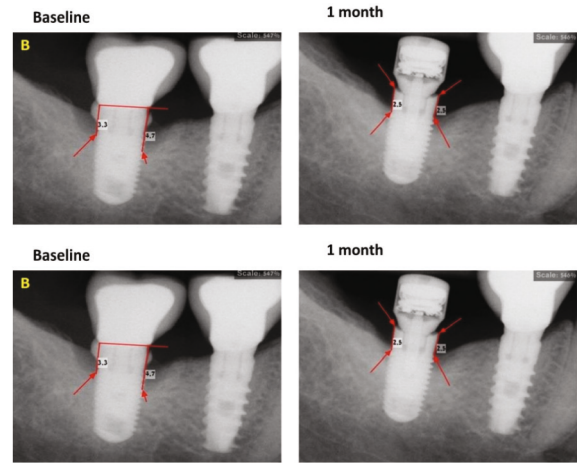
Bone Growth in Inflammatory Condition

Peri-implantitis Clinical Trial

A prospective double blind randomized controlled trial that examined Pulsed Electromagnetic Field in treatment of peri-implantitis on patients that were treated with dental implants and crowns a few years ago



One month after treating with MED, we saw a reduction of marginal bone loss which remains constant after 3 months follow-up



Accelerated Osseointegration

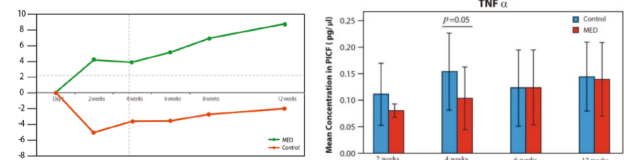
Effect of the Pulsed Electromagnetic Field (PEMF) on Dental Implants Stability: A Randomized Controlled Clinical Trial

Randomized controlled clinical trial on 40 implants placed in 20 patients

- Significant 13% increase in implant stability at test group Vs. 2% decrease in control over all time points
- 50% difference in TNF α raise in 4 weeks after implantation
- 25% difference in radiograph evaluation of marginal bone loss



Implant stability change from baseline in ISQ (Implant Stability Quotient)



Materials. 2020 Apr 3;13(7):1667

Solution for high-risk patients

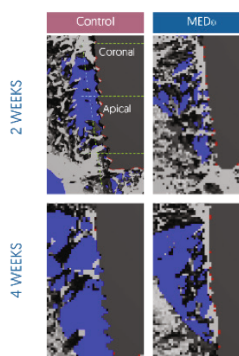
A new device for improving dental implant anchorage: a histological and micro-computed tomography study in rabbit

Controlled preclinical study on New Zealand rabbit tibia with micro-CT and histology

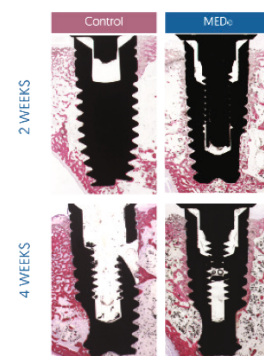
- 48% increase in Bone to Implant Contact (%OI)
- 62% increase in trabecular bone volume density (BV/TV)
- 73% increase in connectivity density (Conn. D)
- 44% increase in the number of trabeculae (Tb.N)
- 32% decrease in trabecular spacing (Tb.Sp)



Micro CT



Histology



Clinical Oral Implants Research. 2016 Aug;27(8):935-42.