

Advancing the Vision of Implant Dentistry

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FUTURE ANNUAL MEETINGS

March 12 - 14, 2015 San Francisco, CA

February 18 – 20, 2016 San Diego, CA

March 16 - 18, 2017



March, 2014

TO WHOM IT MAY CONCERN:

TAleure - Aberd

This letter will verify that **Lih-Jyh Fuh**, **DDS**, **PhD** attended the 2014 Annual Meeting of the Academy of Osseointegration, March 6-8, 2014, at the Washington State Convention Center, Seattle, WA.

If you require any additional information, please feel free to contact me.

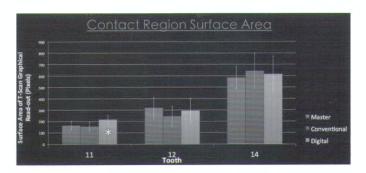
Thank you.

Sincerely,

Truman Adcock

Director of Registration

Poster Presentation Abstracts



P112

Automatic Angle Correction System for Dental Implant Periapical Radiographs

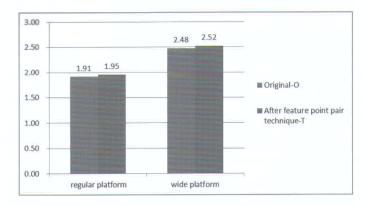
F. Lih-Jyh*, Y. Shen, C. Da-Chuan Taichung, Taiwan.

Introduction: Periapical radiographs are commonly used measures for implant prostheses regular follow up to detect crestal bone changes for early correction of unfavorable load or other mechanical factors. However, these radiographs taken at different times are usually difficult to compare, especially in the posterior region, due to the angulation differences. Different align techniques were thus developed for reference orientation, eg, custom made film holders.

Method: An automatic mathematical correction system was developed by using image based feature point pair technique. A total of 30 periapical radiographs with dental implants (Branemark, regular platform: 11 and wide platform: 19) taken after second stage were corrected to the angle of the long axis of implants in corresponding reference films which were taken with cover screw in place. All images were calibrated using the known lengths of implants placed. The distance between the top 3 threads were measured in Image J software(NIH, Bethesda,MD, USA) for both radiographs before and after angle correction, and comparisons were made.

Results: Images corrected in the developed system were clearer with sharper outlines. There was no statistical significance for top 3 threads distance of implants between measurements from radiographs taken before and after angle correction.

Conclusion: The developed automatic mathematical angle correction **system produced** images comparable without significant distortion with clinical **applicability!**



P113

Antibacterial Effects of As-annealed TiO2 Nanotubes Doped with Ag Nanoparticles against Tannerella Forsythia

S. Yeniyol*, Z. He, B. Yüksel, R. Boylan, M. Urgen, J. Ricci Istanbul, Turkey.

Introduction: It is important to develop functional transmucosal implant surfaces that reduce the number of initially adhering bacteria. The first method is to inhibit the initial adhesion of oral bacteria. The second method is to inhibit the colonization of the oral bacteria, which involves surface antibacterial activity.

Method: A layer of TiO2 nanotubes was developed on commercially pure Ti surfaces in electrolyte containing ethylene glycol, distilled water and ammonium fluoride at room temperature and TiO2 nanotubes were then

annealed at 450 °C. This layer of as-annealed TiO2 nanotubes was Ag in electrolyte containing 41 g/l MgSO4.7H2O, 45 g/l H3BO3, 1.44 at 20 °C. The morphology of the as-annealed TiO2 nanotubes and Ag doped TiO2 nanotubes were investigated by scanning electron and field emission scanning electron microscopy. The structure of corresponding orientations were characterized by X-ray diffraction activity was assessed by investigation of adherence of Tannere Bacterial morphology was examined using a SEM.

Results: Amorphous TiO2 films were crystallized into anatase at 450 °C in air for 30 min. As-annealed Ag doped TiO2 nanotube layer intense peak of Ag. The results indicated the antibacterial efficacy annealed Ag doped TiO2 nanotube layer in preventing Tannerella adhering to the transmucosal parts of the dental implants.

Conclusion: Considering the results of this study, the use of elementary and anodization and Ag doping techniques allows control of antibacterial surface properties against Tannerella forsythia reproducible antibacterial coatings on transmucosal parts of decisions.

P114

Short Dental Implants a Reality for Complex Cases

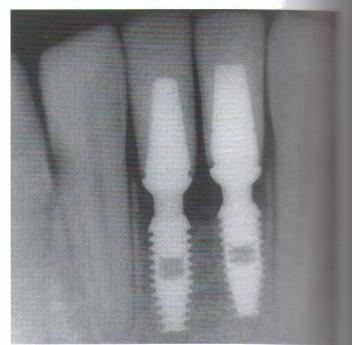
R.A. Kaiser*, E. Varas, M. Antunez Santiago, Chile.

Introduction: To evaluate the performance of short implaces a cases when the bone graft is the only traditional choice or when the limited.

Method: A retrospective cohort study was conducted between 2009 and August 2013. The sample was composed of patients who at least one short Bicon implants on the National Institute of Oral Santiago Chile.

Results: Forty subjects who received 124 implants were for average of 47 months. One hundred fourteen implants (91.3%) with single crowns. Four implants failed, for a cumulative survival and of the failed implants, all were of 5 x 6.0 mm.

Conclusion: The survival of short implants was comparable with implants.



Integrated abutment crown over bicon short implants 3x8 milimites for the implants was 3.1 and 4.1, the interproximal size was 9 milimites of the implants was 2 milimiters below of the crestal bone.