

(group A) and 25 above 3 mm (group B) at a mean follow-up of 17.8 months after prosthetic finalization.

and peri-implant soft tissues stability, when adjacent platform switched implants are placed in the posterior maxilla and mandible.

	$\frac{\text{GROUP A IID}}{3} \leq$	GROUP B IID > 3	TOT
Jemt 0	2	0	2
Jemt 1	7	8	15
Jemt 2	7	10	17
Jemt 3	8	7	15
Jemt 4	0	0	0
TOT	24	25	49

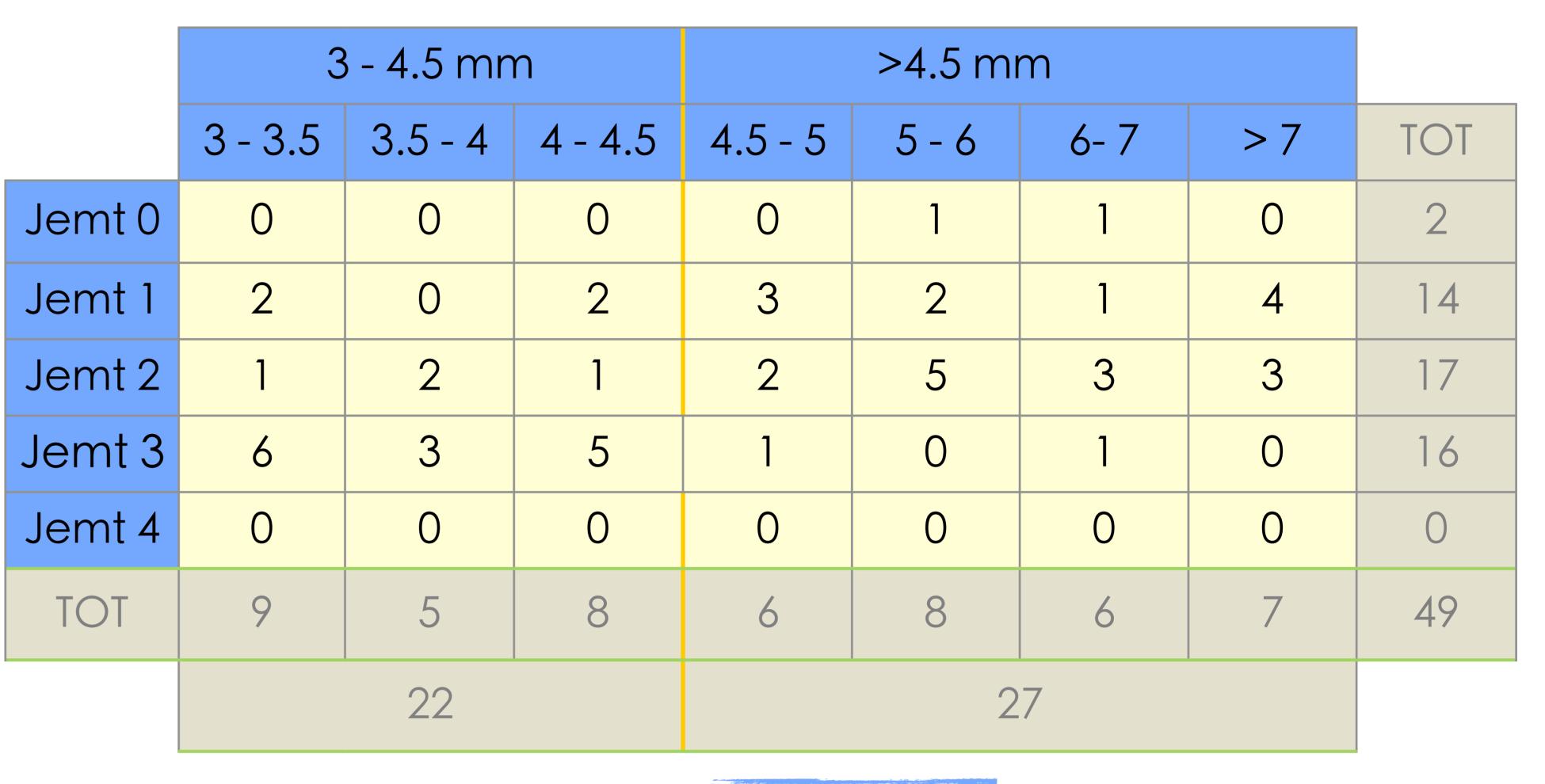


Image 2

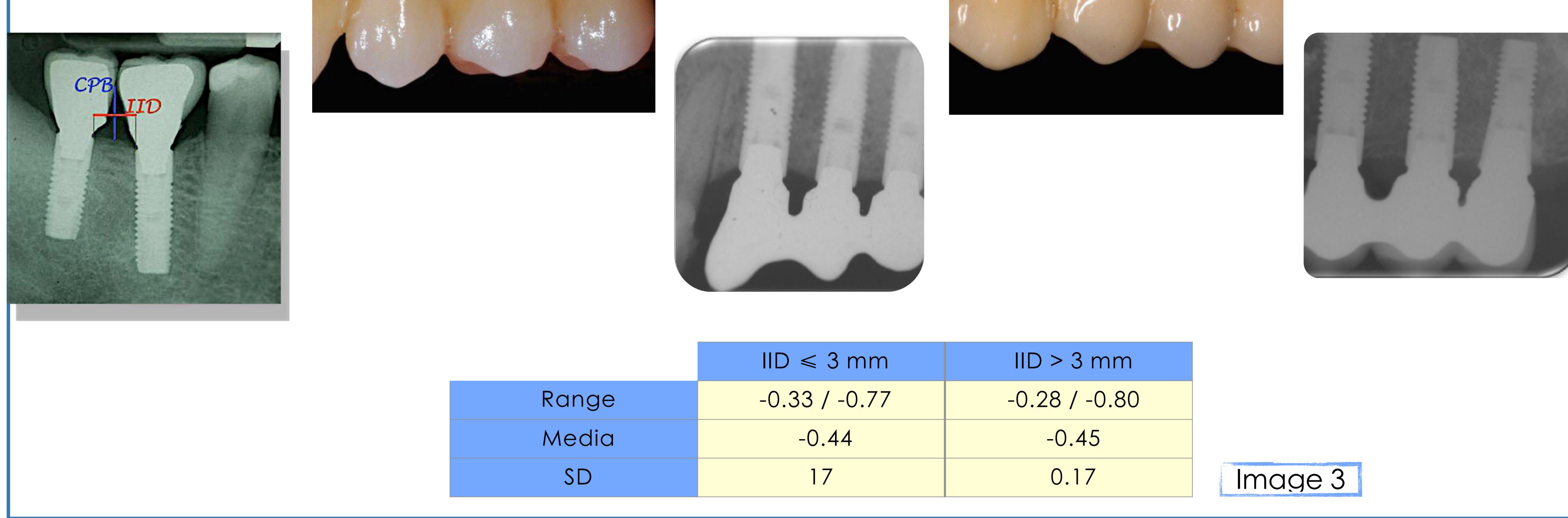
Image 1

GROUP A - IID < 3 mm



GROUP A - IID < 3 mm





RESULTS

Implant survival and success rates were respectively 100.00% and 97.76% according to the Albrektsson et al. criteria. The mean inter-implant bone resorption was 0.44 mm in group A (IID \leq 3 mm) and 0.45 mm in group B (IID > 3 mm). Complete papilla formation occurred in 37.5% of cases from group A (n=9/24) and in 28.0% of cases from group B (n=7/25). In 87.5% of the full papilla formation cases (14 out of 16) the contact point to bone crest distance (CPB) varied between 3.0 to 4.5 mm.

CONCLUSION

Results from this study suggest that a minimal IID of 3mm might promote the development of healthy inter-implant soft tissues but does not appear to be influential on the inter-implant bone resorption rate. In addition, a significant correlation between the development of a full papilla and the presence of a 3.0 to 4.5 mm CPB was observed.

References

- AlbrektssonT, Zarb G, Worthington P, Eriksson AR. The long-term efficacy of currently used dental implants: a review and a proposed criteria of success. Int J Oral Maxillofac Implants 1986; 11-25
 Hermann, J.S., Cochran, D.L., Nummikoski, P.V. & Buser, D. (1997) Crestal bone changes around ti- tanium implants. A radiographic evaluation of unloaded nonsubmerged and submerged implants in the canine mandible. Journal of Periodontology 68: 1117 1130.
- 3. Elian N, Jalbout ZN, Cho SC, Froum S, Tarnow DP. Realities and limitations in the management of the interdental papilla between implants: three case reports. Pract Proced Aesthet Dent. 2003 Nov-Dec;15(10):737-44;