CONTRIBUTION OF INTERPROXIMAL DENTO-IMPLANT ARCHITECTURE ON PAPILLA PRESENCE OR ABSENCE

Introduction

The correct mesio-distal and vertical-horizontal position of an implant is ultimately determined by esthetic requirements and anatomical architecture. Implants being placed too close together, unfavorable positions and/ or axial disalignment should be avoided. Despite its significance, only little information is available on the interproximal dento-implant anatomy and its influence on the formation of papillae. The goal of this poster is to evaluate anatomical requirements for a predictable, non-surgical papillae regeneration in single-unit implant restorations. The results can be applied to pre-prosthetic, surgical and laboratory procedures.

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STUDY

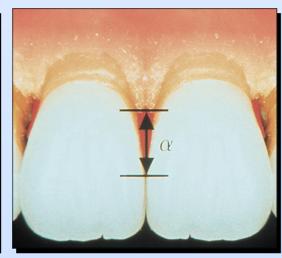
MATERIALS

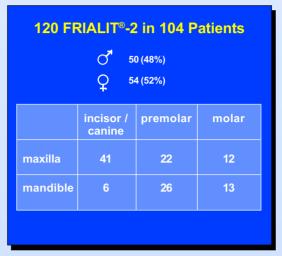
METHODS

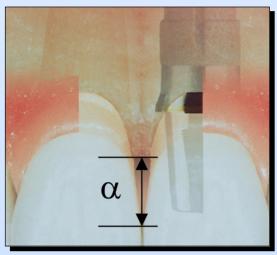
RESULTS

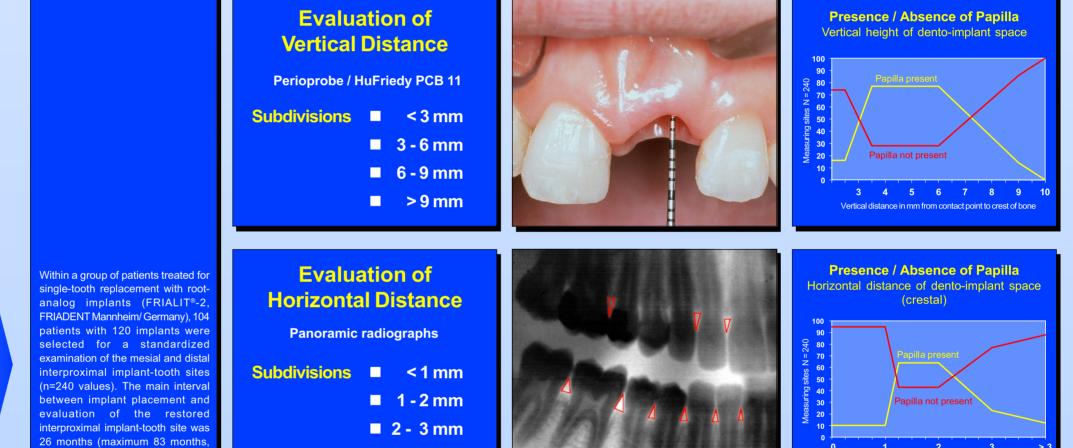
AND

The purpose of the study was to determine the contribution of the vertical distance between contact point and the crest of bone, the horizontal distance between tooth and implant, and the time of implant placement on the presence or absence of the dento-implant papilla in humans.

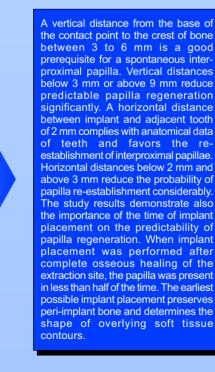








minimum 6 months).	■ > 3 mm	0 1 2 3 > 3 Horizontal distance in mm from implant to adjacent tooth at crestal level
	 Immediate implant placement at time of tooth loss / extraction Delayed immediate implant placement epithelial covering of extraction site Late implant placement complete osseous healing of extraction site 	







Conclusion

Vertical

- Increased papilla regeneration if...
 vertical distance from dento-implant contact point to bone crest:
 3-6 mm
- Decreased papilla regeneration if...
 vertical distance from dento-implant contact point to bone crest:
 <3 or >6 mm

Horizontal

- Increased papilla regeneration if...
 horizontal dento-implant space:
 2 mm
- Decreased papilla regeneration if... horizontal dento-implant space:
 <2 or >4 mm

References

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The 7th International Symposium on Periodontics & Restorative Dentistry, Boston, June 1-4, 2000