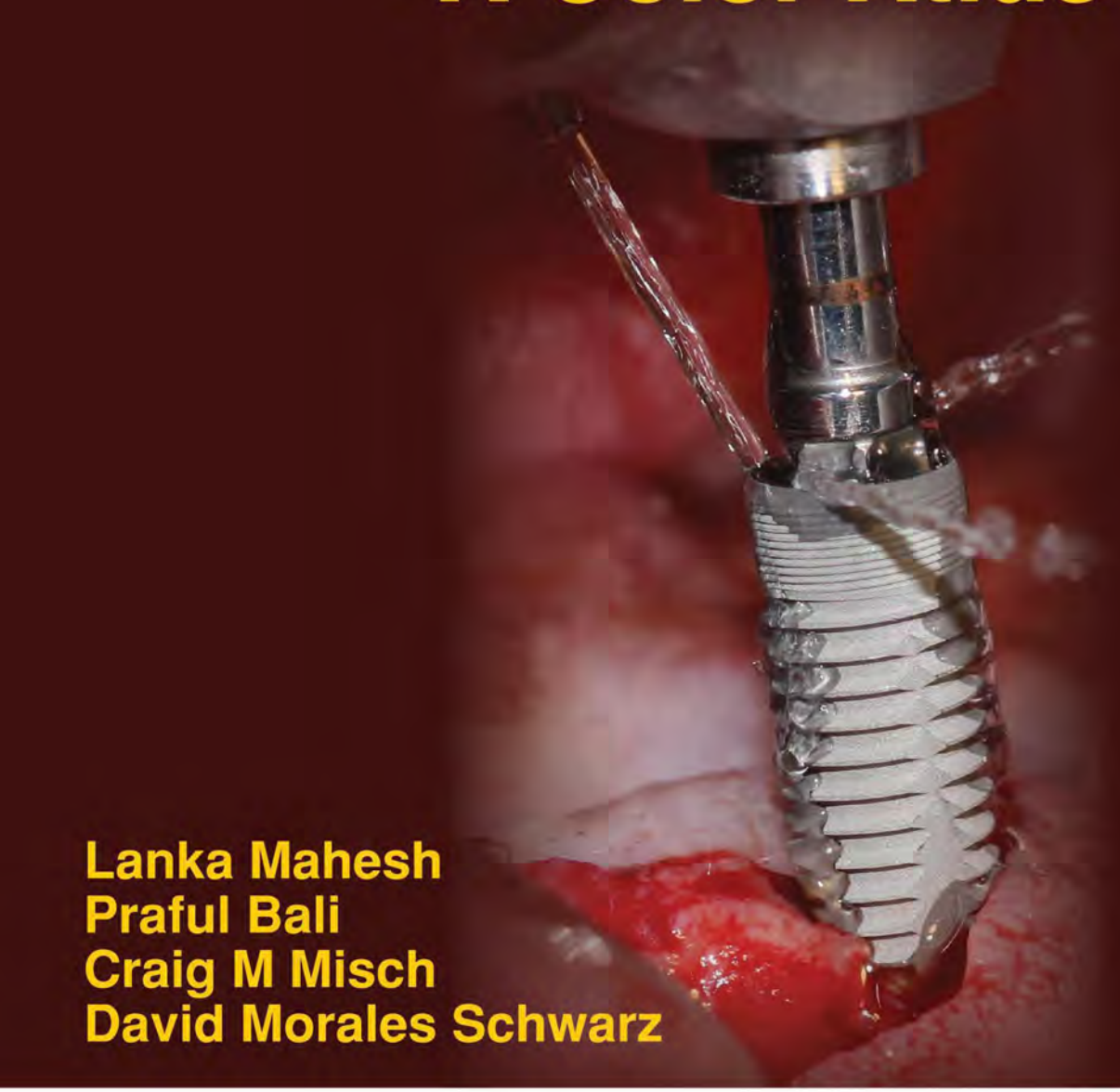
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Treatment Planning Steps in Oral Implantology

A Color Atlas



Lanka Mahesh
Praful Bali
Craig M Misch
David Morales Schwarz

Forewords
Maurice A Salama
RK Bali

JAYPEE

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CASE STUDY 3

Praful Bali

Hard Tissue Augmentation for Deficient Horizontal Bone and Soft Tissue Augmentation to Boost the Thin Gingival Biotype for a Missing Right Upper Lateral Incisor

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Fig. 1

Preoperative—facial view—missing tooth no #12 (right upper lateral incisor). There is a draining fistula also on the edentulous area which needs attention **(Fig. 1)**.

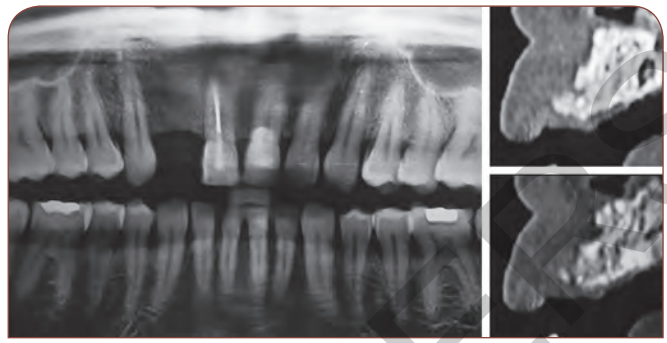


Fig. 2

Preoperative X-ray and CT scan **(Fig. 2)**.

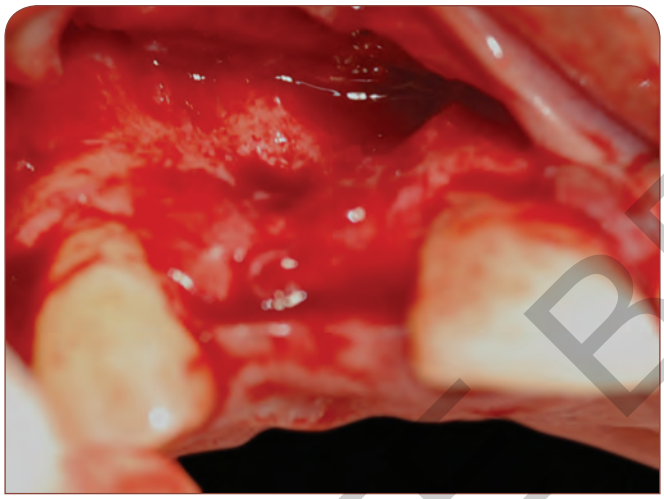


Fig. 3

Full thickness flap reflection done exposing the site of osteotomy. Note the buccal plate deficiency **(Fig. 3)**.

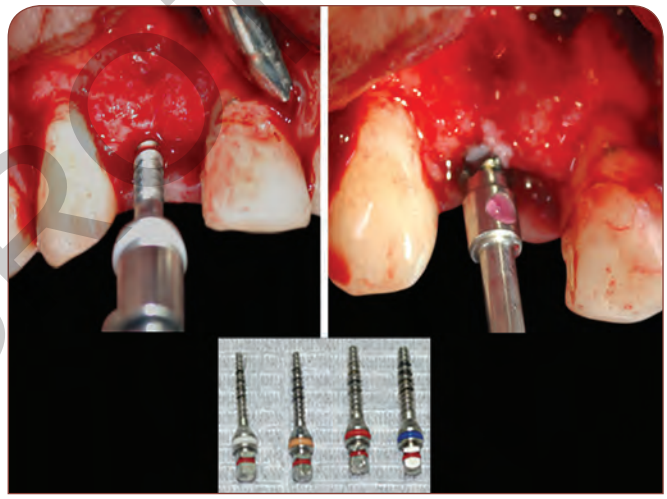


Fig. 4

Use of expanders to expand the bone and also preserving the bone at the crucial buccal area **(Fig. 4)**.

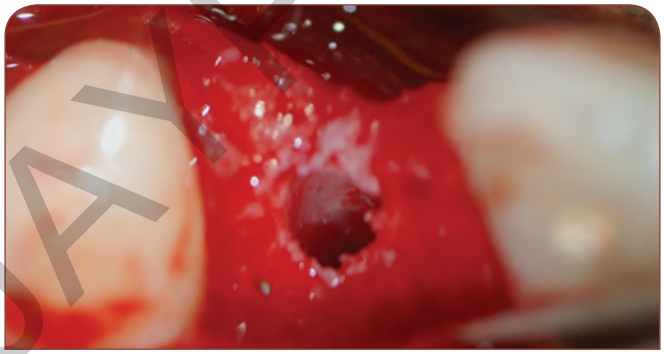


Fig. 5

Final osteotomy preparation **(Fig. 5)**.

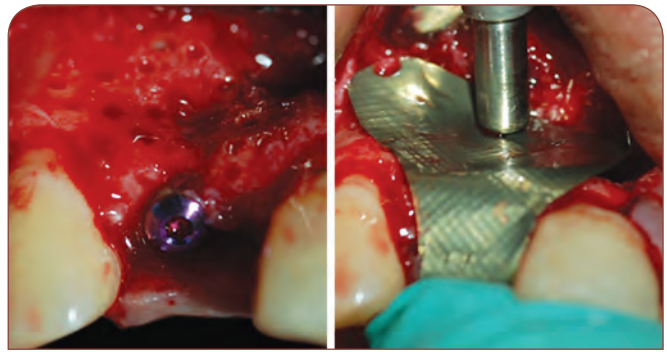


Fig. 6

3.5/13 implant placed (Nobel Biocare). Buccal bone prepared for augmentation **(Fig. 6)**.

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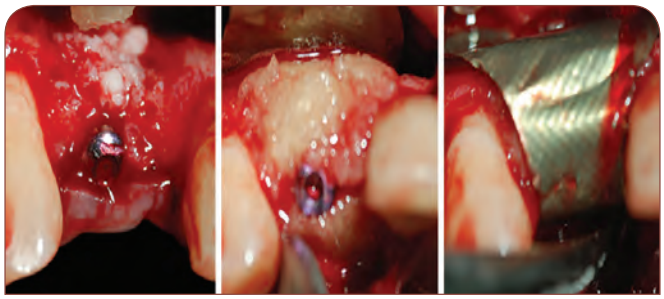


Fig. 7

Cortical bone scrapings placed as 1st layer as part of GBR procedure. Synthetic bone graft (NovaBone) placed to create proper bone esthetics and also provide extra bulk of hard tissue around the implant. Nonresorbable titanium membrane placed as a barrier **(Fig. 7)**.

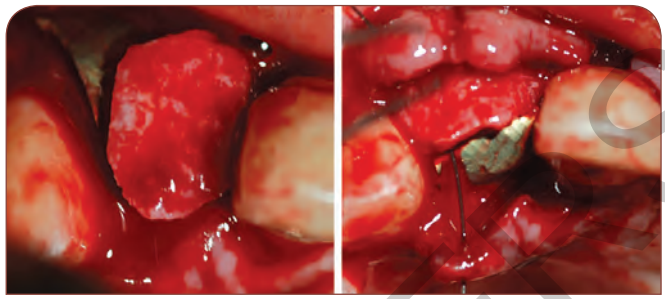


Fig. 8

Pedicle connective tissue graft taken from the palate to enhance the soft tissue **(Fig. 8)**.



Fig. 9

A stock Procera abutment is shaped extraorally and torqued to 35 Ncm—One Abutment One Time Concept **(Fig. 9)**.

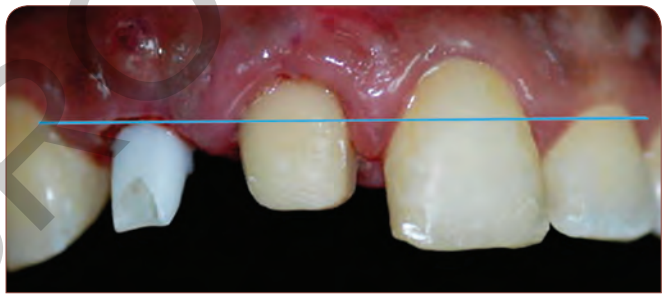


Fig. 10

Note the emergence of the implant abutment is more positive than the contralateral side **(Fig. 10)**.



Fig. 11

This is reshaped to achieve a better result with regard to golden proportion and smile designing concept. A prototype crown is cemented with temporary cement. A temporary crown also for the right central incisor **(Fig. 11)**.



Fig. 12

Also, the contralateral side lateral incisor is reshaped with gingivectomy to achieve optimal esthetics **(Fig. 12)**.

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Fig. 13

Permanant E-max crown cemented in position **(Fig. 13)**.



Fig. 14

One year follow-up: Excellent emergence profile of the implant restoration combined with equally good shade selection and matching **(Fig. 14)**.

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Treatment Planning Steps in Oral Implantology: A Color Atlas

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Lanka Mahesh has done Bachelors in Dental Surgery, MBA and Diploma in Hospital Administration and a diploma in Health and Hospital Management, apart from that he has also completed Master's Certificate in Implant Dentistry from University of California, Los Angeles, USA and CUFD, Thailand. He is a visiting Professor at the University of Murcia at Spain (UCAM), honorary visiting Professor ITS College of Dentistry, Ghaziabad, Uttar Pradesh, India, he is honorary consultant to the Armed Forces of India. He is on the ambassadors circle of the ICOI (USA).

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