New Surgical Technique

IMMEDIATE DENTOALVEOLAR RESTORATION - 2-DAY IDR COURSE

Immediately loaded implants in compromised sockets

SUMMARY OF THE COURSE

Single-tooth replacement in the esthetic zone has been one of the most common indications for dental implant placement. Compromised teeth are removed using atraumatic principles and immediately replaced by an implant-supported provisional restoration, with excellent esthetic, biological, and functional results.

However, in cases of compromised sites with bone loss/gingival recessions, the clinical scenario presents a different dilemma. Until now, all developed surgical recommendations required long-term treatment with possible undesirable complications in the tissue architecture.

The Immediate Dentoalveolar Restoration (IDR) is a surgical and prosthetical technique established to broaden indications for immediate loading on individual teeth. In this way, tissue losses with varied extensions are reconstructed in the same surgical session of implant placement and provisional crown installation, reducing the number of interventions and keeping predictability on esthetic aspects. The IDR protocol was developed more than 9 years ago from the need to minimize the treatment time and morbidity of reconstructive procedures used in these cases.

In the course we discuss the scientific basis, the step-by-step technique and indications. The IDR technique, which advocates minimally invasive surgery, flapless procedures, is presented as a viable and reproducible alternative.

It is presented several cases, which showed one or more compromised socket walls of the tooth involved, with or without changes of the gingival margin, some with more than 9 years of clinical, radiographic and CT scan follow-up.

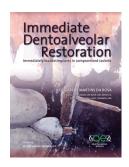
COURSE PROGRAM

- 1. Immediate loading on intact sockets
- Considerations about the relationship between the thickness of buccal bone wall and ideal positioning of the implant
- 3. Gaps in sockets: a new approach for selecting of implant diameter in postextraction sockets
- 4. Methods of measuring the degree of tissue loss in the regions involved
- 5. Classification of socket bone defects
- 6. Use of the maxillary tuberosity as a donor site tissue biology and surgical technique
- 7. Immediate Dentoalveolar Restoration protocol
- 8. Emergence profile design on implant-supported prosthesis
- 9. Immediate loading in alveolar bone defects with and without gingival recessions
- 10. Indications for the use of cortico-cancellous and triple graft
- 11. Case series report
- 12. Complications and how to avoid them
- 13. New researches and clinical studies on IDR

LEARNING OBJECTIVES

- a. This course is designed for practitioners who desire to improve their management of compromised fresh extraction sockets.
- Understand the principles and indications of the Immediate Dentoalveolar Restoration (IDR) concept.
- c. Learn the step-by-step technique.
- d. Learn to evaluate the bone defect area for diagnosis and technical application.
- e. Learn how to harvest an autogenous bone graft from maxillary tuberosity.
- f. Management of the graft and complete reconstruction of the alveolar defect.
- g. Obtaining the ideal emergence profile of the crowns.
- h. Modern concepts in implant-supported restorations.

THE BOOK



The Immediate Dentoalveolar Restoration was also theme of the book of the same name launched in Portuguese language in 2010 and in Spanish language in 2012 by Santos Publishing. The English language version was launched in 2014 by Quintessence Publishing. The IDR book was launched in Mandarim by Quintessence Publishing in

2015.

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PUBLISHED ARTICLES

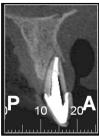
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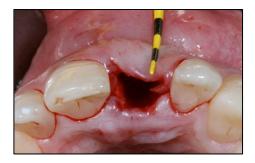
CLINICAL CASES

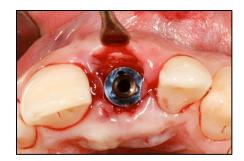
CASE 1





Before: left central incisor compromised and total buccal bone loss.





After tooth removal and bone reconstruction, using *cortico-cancellous graft* harvested from the maxillary tuberosity.







Clinical images and CBCT 5 years after IDR procedure.

CASE 2





Before: right central incisor with significant gingival recession apart from the bone defect at the buccal bone wall.







After tooth removal, the bone defect at the buccal aspect can be seen. A *triple graft* (connective tissue, cortical bone and cancellous bone) was inserted. On the rigth: six months after the IDR procedure.





Clinical control 6 years later. The CBCT scan shows stability of the buccal bone plate and the thickness of soft tissue.