

LIVE SURGERY SEMINAR

**THE INTERPOSITIONAL BONE BLOCK TECHNIQUE
IN THE TREATMENT OF THE
ATROPHIC POSTERIOR MANDIBLE**



BOLOGNA

26th 27th June 2020



Prof. Pietro Felice

ABSTRACT

The rehabilitation of the partially edentulous posterior mandible is a common clinical problem. The ideal solution would be an implant-supported fixed prosthesis. The main obstacle associated with this treatment option is the lack of sufficient bone height. As a consequence, the ideal approach would be to augment bone vertically in a predictable and successful way. A possible approach is to use an interpositional bone graft. Horizontal osteotomy with the interposition of bone in the form of a "sandwich" involves raising a coronal osteotomised segment of the mandible, which is still attached to the lingual periosteum, and interpositioning of a bone block graft. This technique offers the advantage of guaranteeing a greater vascular supply, coming from the lingual periosteum and from the residual bone, to the inlay graft; it also allows optimum use of the native basal bone, which should be less prone to resorption. Frequently, the interpositional technique was associated with autologous bone harvesting which involves discomfort and post-surgical morbidity, however, data suggest that heterologous bone blocks in the inlay technique are similar in results to autogenous bone blocks. The use of heterologous bone blocks allows avoiding grafting from the iliac crest related to significant patient discomfort, postoperative morbidity and complications. Hence, the interpositional technique in the posterior atrophic mandible rehabilitation can be considered a reliable solution that allows an increase in bone height sufficient for implant placement quite stable over time avoiding autogenous bone harvesting.

WHAT WILL YOU LEARN?

The first day of the course consists in a lecture on the interpositional bone block technique focusing on indications, surgical technique (incision, osteotomy lines, vertical bone segment raising, bone block positioning, fixation and sutures). Advantages, disadvantages and comparisons with other augmentation techniques will be taken into consideration together with the current scientific evidence coming from the literature. Surgical videos will be shown to better explain the technique.

During the second day of the course, participants will have the chance to assist to an interactive step-by-step live surgery on the patient and to participate in a hands-on session on porcine mandible model to become familiar with the technique.

VENUE

26th June 2020

Clinica Odontoiatrica
Dipartimento di Scienze
Biomediche e Neuromotorie
Università di Bologna
Via San Vitale, 59
40125 Bologna BO

27th June 2020

Poliambulatorio MG
Via Irnerio 12/2, 40125
Bologna BO

FEE

1.400 € (VAT included)

Lunch and Social Dinner
included

CANCELLATIONS

90% reimbursement before 24th April

70% reimbursement before 22nd May

No reimbursement after 22nd May

SECRETARIAT

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RECOMMENDED HOTELS

Hotel Touring ****

Via De' Mattuiani, 1/2 40124
Bologna
Phone +39 051 584305
hoteltouring@hoteltouring.it

Zanhotel Regina ***

Piazza dell'VIII AGOSTO 31
40121 Bologna
Phone+39 051 248878
hotelregina@zanhotel.it

HOW TO GET TO BOLOGNA

Airport | G. Marconi
Train | Stazione Centrale Bologna
Car | from A14 Motorway,
take the exit "Bologna"

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by Tecnos

BONE BLOCK TECHNIQUE



Fig. 1 Horizontal and vertical osteotomies in order to vertically lift the mandibular bone segment



Fig. 2 Mandibular bone segment raising



Fig. 3 OsteoBiol® Sp-Block in place



Fig. 4 Stabilisation of the OsteoBiol® Sp-Block with a titanium miniplate and miniscrews



Fig. 5 OsteoBiol® mp3® to fill the residual gaps

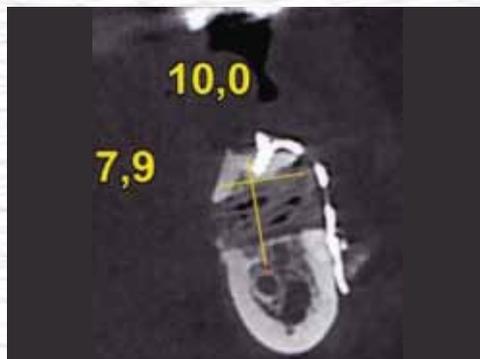


Fig. 6 CBCT showing the vertical bone gain

BIBLIOGRAPHY INLAY TECHNIQUE

1 | Felice P. *et al.*

Vertical ridge augmentation of the atrophic posterior mandible with a 2-stage inlay technique: a case report
Implant. Dent., 2012 Jun;21(3):190-5

2 | Felice P. *et al.*

Vertical ridge augmentation of atrophic posterior mandible with an inlay technique and cancellous equine bone block: a case report
Int. J. Periodontics Restorative Dent., 2013 Mar-Apr;33(2):159-66

3 | Felice P. *et al.*

Posterior atrophic jaws rehabilitated with prostheses supported by 5 x 5 mm implants with a novel nanostructured calcium-incorporated titanium surface or by longer implants in augmented bone. preliminary results from a randomised controlled trial
Eur J Oral Implantol, 2012 summer;5(2):149-61

4 | Felice P. *et al.*

Interpositional augmentation technique in the treatment of posterior mandibular atrophies: a retrospective study comparing 129 autogenous and heterologous bone blocks with 2 to 7 years follow-up
Int J Periodontics Restorative Dent., 2017 Jul/Aug;37(4):469-480

5 | Felice P. *et al.*

Posterior atrophic jaws rehabilitated with prostheses supported by 6 mm long x 4 mm wide implants or by longer implants in augmented bone. 3-year post-loading results from a pilot randomised controlled trial
Eur J Oral Implantol, 2018;11(2):175-187

6 | Felice P. *et al.*

Posterior atrophic jaws rehabilitated with prostheses supported by 6 mm long x 4 mm wide implants or by longer implants in augmented bone. five-year post-loading results from a within-person randomised controlled trial
Int J Of Oral Implantol, 2019;12(1):57-72

Documentation provided by:
 Prof. **Pietro Felice** Bologna, Italy

LIVE SEMINAR



Prof. Pietro Felice

Prof. Pietro Felice graduated in Dentistry and subsequently in Medicine at the University of Bologna.

He completed his research doctorate in Dermatological, Maxillofacial and Plastic Reconstructive Sciences. He is currently Assistant Professor of Dental Sciences at Bologna University lecturing in Implant Surgery in the Degree Course in Dentistry and Dental Prostheses.

Prof. Felice has published many articles in international peer-reviewed journals and serves on the editorial board of specialist international journals and on the Cochrane Collaboration.

He is a member of leading Italian and international associations of implantology and dental surgery.

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27th June 2020
Presso Poliambulatorio MG di
Via Irnerio 12/2, 40125 Bologna BO

SCHEDULE

Friday 26th June 2020

09,00-11,00 Interpositional bone block technique: Part 1
11,00-13,00 Interpositional bone block technique: Part 2
13,00-13,30 Discussion
13,30-14,00 Lunch
15,00-17,00 Live surgery
17,00-18,30 Discussion

Saturday 27th June 2020

09,00-13,00 Hands-on workshop
13,00-13,30 Discussion

SECRETARIAT

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