

# The GBR Experience on Vertical and Horizontal Bone Augmentation in the Lower and Upper Jaw

by Dr. Marco Ronda

27<sup>th</sup> to 29<sup>th</sup> October 2022  
Genoa, Italy

Co-sponsored by:

REGENERATIONS

 **ZimVie**  
Institute



## OBJECTIVE OF THE COURSE

During this three-day course the main topic discussed will be **Vertical and Horizontal Bone Regeneration**. An indepth/detailed presentation will be shared with the attendees covering soft-tissue management aimed at avoiding the known consequences caused from early exposure of membranes. Management of the soft-tissue around the implants placed in regenerated bone will be the second interesting topic that will be discussed. In association with the theoretical part, several surgical treatments will be performed during the live surgeries, so that the theoretical and scientific concepts can be clinically applied.

**Some live surgeries may be substituted by videos if required by the course organization.**

## About Dr. Marco Ronda

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### DR. MARCO RONDA,\* DDS (ITALY)

Dr. Ronda graduated in Medicine in 1990 at the University of Verona and has a private dentistry practice in Genoa. In 2011 the Interntional Journal of Periodontics & Restorative Dentistry published his study reporting a new surgical technique of lingual flap management appropriate in all cases of increase in bone volume; in the same magazine in 2014, a new clinical study on the management of the buccal flap titled “A novel approach for the coronal advancement of the buccal flap” was been published. From 2014 to date he periodically provides a semester of pratical training courses in impiantology and bone regeneration techniques at his private practice. He is an active member of the IAO (Italian Academy of Osseointegration) and co-founder of the Piezosurgery Academy.

\* This clinician has, or in the last 2 years had, financial relationships with Zimmer Biomet Dental resulting from speaking engagements consulting engagements and other retained services.

## Program

DAY 1: 27 OCTOBER 2022

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### Theoretical Part:

- Indications and contraindications of the GBR procedure;
- GBR guidelines for a high surgical and prognostic predictability;
- Biological rationale for the membrane choice (Resorbable versus Non-Resorbable);
- Design of the flap in free edentulous ridges and in the intercalate spaces;
- Flap Passivation with conventional surgical techniques;
- Concept of Encumbrance Volume and its application in the vertical bone regeneration of the posterior lower jaw;
- Flap Passivation with the new surgical procedure (new Lingual Flap and Brushing Technique).

### Live Surgery:

#### - Surgery 1: Surgical treatment of a vertical bone defect in the posterior lower or upper jaw with or without the simultaneous insertion of the implants

A preliminary discussion will be held prior to the surgical session to describe all details of the surgery, for example, Flap Design, predetermining the soft-tissue volume needed to close, without tension and by first intention, selection of sutures on top of the membrane.

During the surgical treatment Dr. Ronda will show the passivation techniques of the buccal or the buccal and lingual flaps, the shaping of the membrane for a suitable adaptation to the defect, the different options for fixing the membrane, the different strategies to maintain “decontaminated” the surgical area and many other details to be considered to perform this precise surgical technique.



## DAY 2: 28 OCTOBER 2022

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### Theoretical Part:

- Strategies and timing of sutures;
- Soft-tissue management after the GBR procedure... timing and protocol;
- Discussion about the appropriate graft, sutures and other materials for a GBR surgical approach;
- Group session: A series of GBR clinical cases photos will be displayed so all attendees will have the opportunity to identify the surgical mistakes from each case.

### Live Surgery:

- **Live Surgery 2: Management of the soft-tissues around implants inserted in the regenerated bone**, detailed discussions of how we should deal with the soft-tissues around the implants, how we should restore the depth of the fornex and how we should suture, harvest and shape the tissue graft.
- **Live Surgery 3: Removal of a membrane after 6-8 months from the GBR procedure with simultaneous insertion of the implants.** Full demonstration regarding how to draw a non invasive flap and evaluate the clinical evidences related to the regenerated bone.

## DAY 3: 29 OCTOBER 2022

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### Hands-On Session on pig jaws supported by clamps.

- Flap design in vertical and horizontal bone regeneration;
- Flap elevation and isolation of sensitive anatomical structures;
- Passivation of the Buccal Flap with the periosteum incision and Brushing Technique;
- Bone perforations on the bone defect;
- Insertion of the implants in a bone defect previously created;
- Measuring of the bone defect and relative selection of the ideal membrane size;
- Shaping of the membrane in relationship at the defect;
- Grafting material around the implants inserted in the bone defect;
- Strategies and modalities for the membrane fixing;
- Modalities, timing and correlation between type of suture and area of application.



## SCHEDULE:

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### DAY 1

09.00 AM–01.00 PM

Lunch: 01.00 PM–02.00 PM

2.00 PM–6.00 PM

### DAY 2

09.00 AM–01.00 PM

Lunch: 01.00 PM–02.00 PM

02.00 PM–06.00 PM

### DAY 3

09.00 AM–10.45AM

Brunch: 10.45 AM–11.00 AM

11.00 AM–03.00 PM

## SUGGESTED HOTELS:

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### Hotel Astoria

Piazza Brignole, 4, 16122 Genoa

Phone: +39 010 455 6125

Walking distance 50 m

**Note:** Special rates for the attendees of the course

### Meliá Genova (5 Stars)

Via Corsica, 4, 16128 Genova GE

Tel: +39 800 788 333 – walking distance 750 m

### Starhotels President (4 Stars)

Corte Lambruschini, 4, 16129 Genova GE

Tel: +39 010 5727 – walking distance 550 m

### Best Western Hotel Moderno Verdi (4 Stars)

Piazza Giuseppe Verdi, 5, 16121 Genova

Tel: +39 010 553 2104 – walking distance 400 m

### Hotel Bristol (4 Stars)

Via XX Settembre, 35, 16121 Genova GE

Tel: +39 010 592541 - walking distance 600 m

### Hotel Brignole (3 Stars)

Vico del Corallo, 13R, 16122 Genova GE

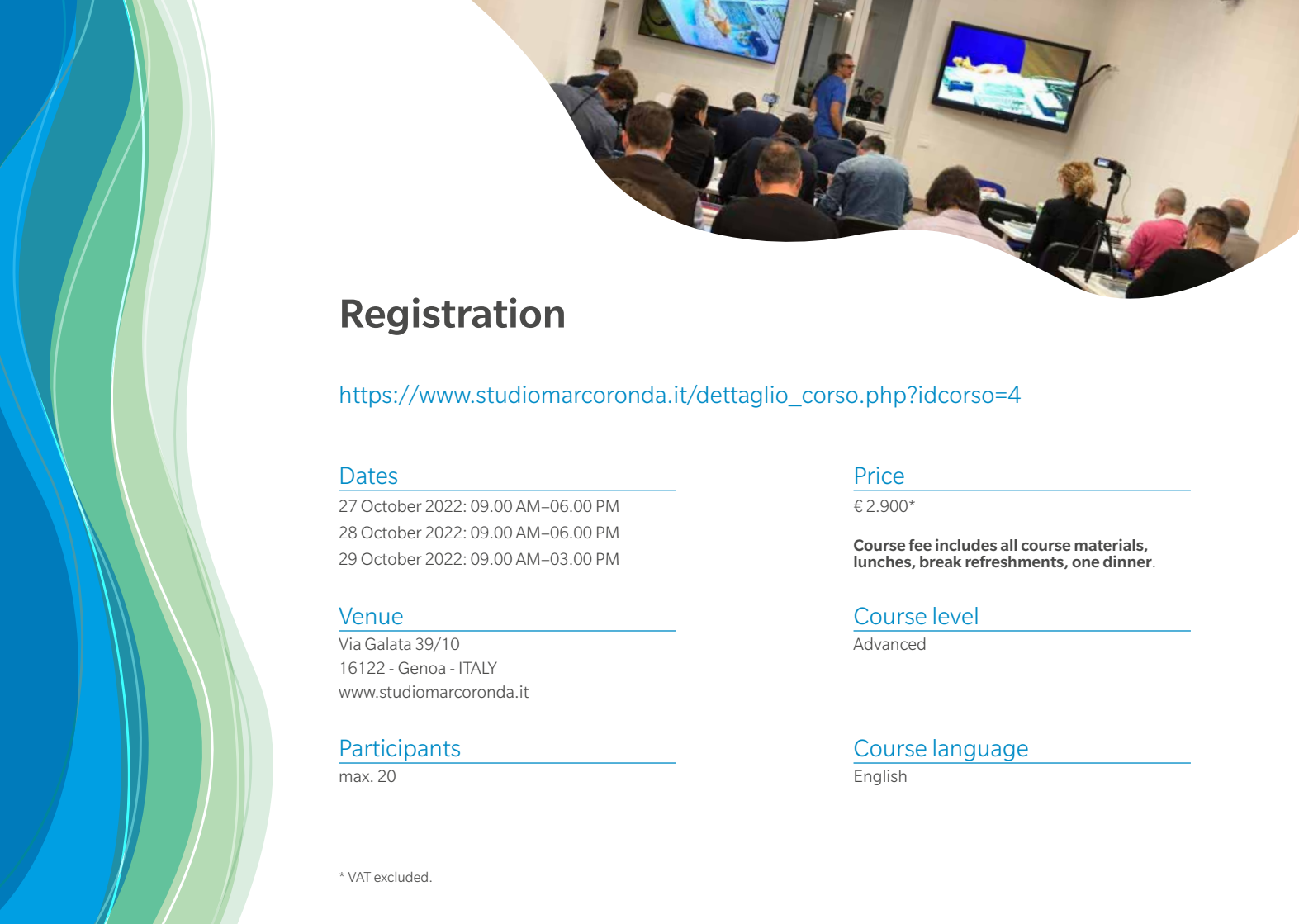
Tel: +39 010 561651 – walking distance 290 m

### Best Western Hotel Metropoli (3 Stars)

Piazza delle Fontane Marose, 16123 Genova GE

Tel: +39 010 246 8888 – walking distance 1,2 km

For reservations, please contact the hotel directly.



## Registration

[https://www.studiomarcoronda.it/dettaglio\\_corso.php?idcorso=4](https://www.studiomarcoronda.it/dettaglio_corso.php?idcorso=4)

### Dates

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27 October 2022: 09.00 AM–06.00 PM

28 October 2022: 09.00 AM–06.00 PM

29 October 2022: 09.00 AM–03.00 PM

### Venue

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Via Galata 39/10

16122 - Genoa - ITALY

[www.studiomarcoronda.it](http://www.studiomarcoronda.it)

### Participants

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max. 20

### Price

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€ 2.900\*

**Course fee includes all course materials, lunches, break refreshments, one dinner.**

### Course level

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Advanced

### Course language

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English

\* VAT excluded.