leading regeneration

Geistlich

Professor Matteo Chiapasco, Italy

Customised Major Bone Regeneration

The Contemporary Approach in Managing Complex Dento-Alveolar Defects

Sensible case selection, sound surgical technique, and use of appropriate biomaterials have made bone augmentation procedures safe and predictable. However, traditional surgical techniques to manage complex dento-alveolar defects can be technique sensitive, time-consuming, and often necessitate significant donor site surgery with associated post-harvest surgical morbidity.

Key Learning Objectives:

- Understanding the important considerations when planning Customised Bone Regeneration (CBR) cases
- Understanding the role of bone regeneration materials, barrier membranes, and any supporting biologics as part of the CBR process
- Determining the most appropriate flap designs that will allow for the required surgical access, and the ability to achieve tension-free, water-tight, primary wound closure
- Managing soft tissues to reduce the risk of early and late soft tissue dehiscence
- Understanding the impact of soft tissue dehiscence and how to manage such occurrences
- How to assess treatment success and when to proceed with implant placement and restoration

Hands-on Exercises:

- Flap design and raising of mucoperiosteal flaps – pig jaws
- Simulating gain of bone volume (vertical and lateral) and achieving successful tension-free primary wound closure – pig jaws
- Use of bone scrapers to source autogenous bone chips – pig jaws
- Mixing of bone chips and Geistlich Bio-Oss®, and filling of an Yxoss CBR® mesh
- Correctly seating the loaded Yxoss CBR® mesh onto a defect and securing the mesh with screws – on simulation model

6 CPD hours | Level 2 | Catering Provided | Pig Jaws

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PROFESSOR CHIAPASCO obtained his medical degree and specialised in Maxillofacial Surgery at the University of Milan, Italy. He is Professor of the Unit of Oral Surgery at The University of Milan (Italy), visiting Professor at Loma Linda University (Los Angeles, California, USA: 2007-present), and was visiting Professor at The University of Vienna (Austria) between 2004 and 2016. Professor Chiapasco is a member of the European Board of Oral and Maxillo-Facial Surgeons, an active member of the EAO, and an ITI Fellow. He was President of the Italian Society of Oral Surgery (2002-2004), President of the Italian Society of Osseointegration (2014-2016), and founder of the Italian Academy of Osseointegration (IAO). He is referee for Clinical Oral Implants Research, International Journal of Oral and Maxillofacial Surgery, and European Journal of Oral Implantology.

His main fields of interest are oral and maxillofacial surgery, with particular focus on orthognathic surgery and advanced pre-prosthetic surgery (reconstruction of severe atrophy, tumour defects, trauma sequelae, and congenital malformations). He has extensively lectured on these topics over the last 25 years. He is author of approximately 300 publications in Italian Journals and 101 publications in international peer reviewed journals. Professor Chiapasco is the author and co-author of approximately 15 textbooks, some of which have been translated in more than 10 languages.

HANDS-ON WORKSHOP & LECTURE

This full-day workshop and lecture facilitated by Professor Matteo Chiapasco, the internationally-renowned Oral and Maxillofacial Surgeon, will provide a comprehensive breakdown of the principles and procedures involved in CBR. Of particular importance will be the management of soft tissues; a key consideration in ensuring treatment success.

Date: **Saturday 28th March 2026**

Venue: **W Hotel Sydney**
31 Wheat Road, Darling Harbour

Time: **Registration 8.00am**
Lecture & Workshop 8.30am – 4.30pm

Cost: **$1495** (catering included)

CPD: **6 Scientific hours**

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