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Cadaver Course on Lateral Maxillary Sinus Elevation

International Master Course

Directed by Prof. Tiziano Testori and ACA Faculty members

Cremona, Trecchi Palace, Academy of Craniofacial Anatomy

October 7-8, 2025

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Prof. Tiziano Testori

Head of the Section of Implant Dentistry and Oral Rehabilitation, IRCCS, Galeazzi Institute, Milan, Italy. Assistant clinical professor, Department of Biomedical, Surgical and Dental Science (Chairman: prof. L. Francetti), University of Milan, Milan, Italy. Adjunct Clinical Associate Professor, Department of Periodontics and Oral Medicine, The University of Michigan, School of Dentistry, Ann Arbor, Michigan 48109-1078. Received his MD degree (1981), DDS degree (1984). Speciality in Orthodontics (1986) from University of Milan, Italy. Fellowship at the Division of Oral Maxillo-Facial Surgery (Head: Robert E. Marx, DDS), School of Medicine, University of Miami, Miami FL (2000).

Currently Head of the Section of Implant Dentistry and Oral Rehabilitation Department of Biomedical, Surgical and Dental Science (Chairman: prof. L. Francetti), IRCCS, Galeazzi Institute, University of Milan, Milan, Italy. Assistant clinical professor School of Dentistry, University of Milan, Milan, Italy. Adjunct Clinical Associate Professor, Department of Periodontics and Oral Medicine, The University of Michigan, School of Dentistry, Ann Arbor, Michigan

President (2017-2018) of the Italian Academy of Osseointegration (IAO). Member of the Editorial Board of IJOMI, EJOI, IJPRD, Quintessence Publishing and WJCC, Baishideng Publishing Group. Author of 112 peer-reviewed publications indexed in Pub Med, and 4 books in Implantology. of Osseointegration (IAO); member of the Editorial Board of IJOMI, EJOI, IJPRD, Quintessence Publishing and WJCC, Baishideng Publishing Group; author of 112 peer-reviewed publications indexed in Pub Med, and 4 books in Implantology.

Course Decription

This course demonstrates the application of basic and advanced techniques of sinus lift lateral and crestal approach with associated dissection on cadaver with focus on related muscle and neurovascular tissues.

Starting from the elevation of full-thickness and partial-thickness flaps, the described surgical techniques will be performed first, followed by dissection of the anatomical structures surrounding the surgical area.

The dissection will be a “clinically oriented” dissection by planes, structured with the objective of understanding the acquisition of the anatomical data, how to prevent and manage haemorrhage and neurosensorial complications. This approach is essential to dispel doubts and fears during the application of the techniques, while increasing your clinical skills.

This course is conducted on anatomical preparations of fresh-frozen cadavers with 85% of the course will be focused on practicing, and 15% theoretical aspects will be combined with hands-on demonstrations.

Dr. Gabriele Rosano
DDS, PHD, MSc, FICD

Gabriele Rosano received his DDS degree (2004), Master of Science in Oral Surgery (2009), PhD degree (2012) from University of Milan, Italy.

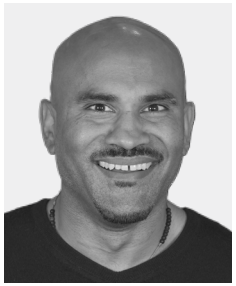
In 2007 he received a master's degree in Craniofacial Anatomy from University of Paris V, School of Medicine, Paris.

Author of numerous publications indexed in PubMed on anatomical issues.

Author and Co-author of 5 books in dental implantology.

Senior lecturer at Lake Como Institute (LCI) Implant Advanced Training Center, Como, Italy.

Scientific Director at Academy of Craniofacial Anatomy (ACA).



Dr. Pynadath George
BDS, MFDS RCS, MSc Rest Dent, MSc Imp Dent, D ClinDent Oral Surgery, FCG

Pynadath George is a Dental Surgeon who has a practice limited to advanced restorative dentistry and complex dental implants. He is a graduate of Liverpool Dental School and since then has completed the membership exams from the Royal College of Physicians and Surgeons as well a three-year Professional Doctorate in Oral Surgery from the University of Edinburgh.

Through his career he has also completed a Postgraduate Diploma and master's degree in Restorative Dentistry from the prestigious Eastman Dental Institute, UCL, in London and a separate Postgraduate Diploma and master's degree in dental Implants from Warwick University.

Dr George is at the forefront of teaching and mentoring advanced implant treatments as well as all aspects of Full Arch Implant Dentistry and has been running Full Arch Implant Courses since 2014. During this time, he has trained numerous dentists both in the UK and Internationally.

Dr George's scope of practice is limited to advanced restorative dentistry involving implants including advanced bone grafting to complex full arch cases such as pterygoid and zygomatic implants. He previously taught Restorative Dentistry and Implants as a Teacher/Lecturer at Liverpool University Dental School and worked as an Associate Specialist in a tertiary level hospital, treating cancer patients with fixed and removable prosthetics utilising dental implants.

Program • Day 1 • Tuesday, October 7, 2025

08.30 *Registration of participants*

09.00 – 10.30 **Theory**
Surgical technique step-by-step for the lateral approach
Anatomical dissection of the maxilla

10.30 – 13.30 **Hands-on cadaver** with application of surgical techniques in the maxillary area and dissection of the relative muscular and neurovascular structures of major interest (1° stage)

Anatomical Dissection

- isolation of the piriform opening, of the bases and nasal cavities with elevation of the nasal membrane
- antrostomy of the antero-lateral wall of the maxilla and study of the topographic limits of the maxillary sinus from inside
- isolation of the alveolar antral artery
- definition of the limits of the sinuous canal
- dissection of the infraorbital bundle and its branches
- isolation of the naso-lacrimal duct
- isolation of the naso-palatine duct and of the greater palatine artery with elevation of the hard palate up to the soft palate
- isolation of the tuber maxillae and of the pterygoid process
- isolation of the Bichat fat pad both with subperiosteal access and within the vestibular fornix

13.30 – 14.30 *Lunch: catering service at Trecchi Palace*

14.30 – 19.00 **Hands-on cadaver** with application of surgical techniques in the maxillary area and dissection of the relative muscular and neurovascular structures of major interest (2° stage)

Surgical Techniques

- novel mucogingival flap designs
- flap passivation techniques with deep periosteal and muscular releasing incisions
- regenerative techniques for hard tissue augmentation:
- maxillary sinus lift via new lateral approaches using xenograft bone substitutes (SAD technique versus LOW WINDOW technique)
- horizontal augmentations and treatment of bone dehiscences using novel membranes
    - placement of implants
- advanced bone graft procedures that include ridge augmentation, guided bone regeneration, vertical bone augmentation and sinus lift procedures (e.g., lateral window approach)
- tissue engineering could be used to enhance clinical outcomes

Coffee breaks are provided during the course.

Program • Day 2 • Wednesday, October 8, 2025

09.00 – 10.30 **Theory**
Surgical techniques step-by-step for:
- soft tissue management around implants
- post-extraction implants
- short and tilted implants
- horizontal bone augmentation

Anatomy of the mandible and of muscular and neurovascular structures in relation to the treated surgical techniques

10.30 – 13.30 **Hands-on cadaver** with application of surgical techniques in the mandibular area and dissection of the relative muscular and neurovascular structures of major interest (1° stage)
- mucogingival surgery flaps with implant approach
- placement of standard and post-extraction implants
- flap passivation techniques with superficial periosteal, deep periosteal and muscular releasing incisions
- lingual flap passivation technique

13.30 – 14.30 *Lunch: catering service at Trecchi Palace*

14.30 – 19.00 **Hands-on cadaver** with application of surgical techniques in the mandibular area and dissection of the relative muscular and neurovascular structures of major interest (2° stage)
- connective tissue and free gingival grafts around implants
- regenerative techniques for hard and soft tissue augmentation (connective tissue grafts and use of soft tissue substitutes)
- graft less alternatives: short implants and tilted implants in the intra-foraminal area

Coffee breaks are provided during the course.

The course will take place at an exclusive venue, the Cadaver Lab of Trecchi Palace, a historical mansion of inestimable artistic and cultural value, built in 1496, situated in the historic centre of the city of Cremona.

The scenery is a suggestive and fascinating one of an ancient courtyard with ogival arches from which you access the historical halls that have preserved original frescoes and coffered ceilings.

Information and registration

Venue: Academy of Craniofacial Anatomy Trecchi Palace
Via sigismondo Trecchi, 20
26100 Cremona (Lombardy, Italy)
Tuition: 3,000 EU (tuition is inclusive of coffee breaks and lunches during course days)
Deadline to register: September 2, 2025
Contact: Intlmarketing@biohorizonscamlog.com

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