Simion Institute



ADVANCED IMPLANT SURGERY

with Prof. Massimo Simion

3-DAY FULL IMMERSION COURSE

Peri-implant hard and soft tissue management

Emerging technologies for horizontal & vertical ridge augmentation with Guided Bone Regeneration – Customized Semi-Permeable Titanium Meshes

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MILAN
JUNE 10-11-12, 2027

THE COURSE

We are proud to present the **3-Day Full Immersion Course with Prof. Massimo Simion in Milan**, an exclusive opportunity to explore advanced techniques and the latest innovations in implant surgery.

Focusing on **Guided Bone Regeneration, customized titanium meshes, and peri-implant hard and soft tissue management**, the course combines scientific insights, clinical case discussions, hands-on training, and live surgery.

An intensive three-day experience designed to deepen clinical knowledge, refine surgical skills, and discover innovative approaches to complex implant treatments.

DAILY SCHEDULE

MORNING 09.00 - 13.00 | AFTERNOON 14.00 - 17.30

PROF. MASSIMO SIMION



Prof. Massimo Simion graduated in Medicine and Surgery from the University of Milan in 1979 and specialized in Odontostomatology and Dental Prosthodontics at the same university in 1982.

He served as **Professor and Chairman of the Department of Periodontology at the Dental School of the University of Milan** until 2024.

He was a member of the **Board of the European Association for Osseointegration (EAO)** from 1998 to 2005, serving as President from 2001 to 2003 and Immediate Past President from 2004 to 2005. He has been a member of the EAO Council since 2005.

He is a founding member of the **Italian Society of Osseointegration** and the **Italian Academy of Osseointegration (IAO)**.

He served as an Active Member and Vice President of the Italian Society of Periodontology (SidP) from 2003 to 2005 and as President of the Italian Academy of Osseointegration (IAO) from 2023 to 2024.

He has also served as a reviewer for the **International Journal of Periodontics & Restorative Dentistry**.

He has published numerous scientific papers and is an internationally recognized lecturer in Periodontology, Osseointegration, and Bone Regeneration.

DAY 1

Fundamentals of Peri-implant Site Development



Morning

→ Guided Bone Regeneration with resorbable, non-resorbable titanium rehinforced membranes and with customized semipermeable titanium meshes

→ Basic principles and biology

- Diagnosis and treatment plan of bone defects and atrophies in totally and partially edentulous patients
- Indications of GBR techniques: resorbable, PTFE membranes, Ti meshes
- Atrophic jaw bone classification in totally edentulous patients- Treatment planning and surgical indications
- The totally edentulous maxilla: different atrophies and corresponding surgical techniques - Videos on soft tissue grafts and Guided Bone Regeneration
- The totally edentulous mandible: different atrophies and corresponding surgical techniques - Short implants - Bone grafts – GBR
- Horizontal and Vertical Ridge Augmentation: scientific background - surgical techniques – resorbable and non-resorbable membranes - bone graft harvesting from intra-oral sites – video
- The partial edentulous posterior maxilla - Treatment plan and surgical tecniques – Interactive presentation and videos
- The partially edentulous posterior mandible - Treatment plan and surgical tecniques - Interactive presentation and videos with soft and hard tissue management

Afternoon

→ Aesthetic Implant Dentistry

→ Bone atrophies of the anterior maxilla and mandible

→ Hard and soft tissue management with interactive lectures and videos

- Anatomical determinants of aesthetic implant restoration - Diagnosis and treatment planning
- Horizontal and vertical ridge augmentation with connective tissue grafts only
- Horizontal ridge augmentation with resorbable collagen membranes and soft tissue management
- Vertical ridge augmetation with titanium rehinforced e-PTFE membranes and soft tissue management
- The use of customized semi-occlusive titanium meshes
- Surgical techniques for soft tissue augmentation: free gingival grafts – connective tissue grafts
- Donor sites and surgical techniques and sutures

DAY 2

Step by step surgical techniques, hands-on and live surgery



Morning

→ GBR surgical techniques

→ Hands-on

- GBR surgical techniques: patient selection and preparation, flap design, flap-releasing incisions, bone grafts harvesting and biomaterials, bone and soft tissue stimulating agents, membrane stabilization and fixation, tension free sutures
- Hands-on: horizontal and vertical ridge augmentation with Guided Bone Regeneration on customized models

Afternoon

→ Live surgery

- Live surgery: Horizontal and vertical ridge augmentation with a new generation customized titanium semi-permeable mesh

DAY 3

New technologies for horizontal and vertical ridge augmentation



Morning

→ Customized semipermeable titanium meshes (CSTM)

- Scientific background of GBR using CSTM
- Advantages and disadvantages of CSTM as compared to EPTFE membranes for Guided Bone Regeneration
- Digital technologies for implant site development on the basis of CBCTs associated with digital diagnostic reconstructions
- Surgical tecniques for horizontal and vertical bone regeneration with customized meshes - Videos
- The use of CSTM in the aesthetic zone for single tooth and multiple teeth replacement
- The use of CSTM in the posterior maxilla and mandible for bone defect correction and rehabilitation
- Incidence and management of complication with CSTM techniques

Afternoon

→ Management of GBR complications and long term results

- Classification and treatment options of membrane exposures
- Management of complications with hard and soft tissue re-interventions
- Small early membrane/mesh exposures
- Large early membrane/mesh exposures
- Treatment of infected sites
- Long term results of GBR after 35 years of experience
- Q&A, Case discussion

→ Certificate Ceremony and closing remarks

Simion Institute

PRACTICAL INFORMATION

COURSE VENUE

Studio Prof. Massimo Simion
Viale Tunisia, 48 - Milan (MI)

CONTACTS

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FEES

3.200,00 €
Coffee breaks (morning & afternoon) included
Lunch not included

