

ADVANCED GBR

Prof. Massimo Simion

Advanced GBR

From socket preservation to vertical bone regeneration

By Prof. Massimo Simion

About the Course:

Welcome to Prof. Massimo Simion's surgical web series **Advanced GBR**.

This collection of surgical videos - performed and commented by Prof. Massimo Simion, among the best world-renowned experts in bone augmentation - aims at providing learners with a thorough description of all the phases comprised in advanced bone and tissue reconstruction procedures.

Advanced GBR allows the learner to discover the hard and soft tissue augmentation protocols used by the Author in his daily practice, with specific focus on:

- soft tissue management in one-stage and two-stage GBR surgery;
- bone harvesting procedures and features of the different graft types;
- use of titanium-reinforced membranes VS resorbable membranes and stabilization strategies;
- how to successfully transfer the desired morphology to the membrane;
- releasing incision design and flap passivation techniques;
- suture techniques.

A foreword by the Author:

"This video course is brought to you with the specific aim of sharing the results of my 30 year career in reconstructive surgery, in terms of case-specific critical assessment, clinical protocols and practical procedures. Through a collection of exclusive video surgeries, I'll guide you through a schematic approach to advanced GBR cases, where the rational management of simple and effective flap designs plays a crucial role."

Topics covered in this course:

- post-extraction socket preservation techniques;
- Immediate post extraction implant placement with simultaneous contour augmentation;
- GBR for optimal implant esthetics: hard & soft tissue augmentation;
- horizontal ridge augmentation using resorbable membranes;
- tridimensional GBR in the posterior mandible
- suture strategies in GBR, posterior areas VS esthetic zone
- keratinized tissue augmentation techniques, autologous gingival grafts VS xenografts.

SUBSCRIPTION TERM: UNLIMITED

Purchase now and get your unlimited access to all the video collection:

the videos will be available 24/7 on all your devices.

Number of Lectures: 13 lectures

Video Quality: FULL HD VIDEO

Language: English

Introductory Lecture: Guided Bone Regeneration for the reconstruction of bone defects: the treatment plan

In this introductory lecture Prof. Massimo Simion reviews the GBR guidelines according to the latest evolutions of its protocols. This precious theoretical dissertation is designed to help the learner obtain the best return from the surgical videos that compose Advanced GBR.

Video Lecture 1: Immediate post-extraction implant placement in the esthetic area with simultaneous CTG

This complete video surgery shows the extraction of a maxillary central incisor, with immediate implant placement and simultaneous connective tissue graft. The temporary crown is positioned right after the surgery.

Video Lecture 2: Optimization of peri-implant soft tissue esthetics: envelope flap + CTG

The case portrayed in this video shows the esthetic optimization of a maxillary implant placed in central incisor position. The apical gingival margin of the adjacent tooth is treated with an envelope flap and contextual sub-mucosal connective tissue graft.

Video Lecture 3: Vertical ridge augmentation: tooth extraction and socket preservation - Part 1

This video portrays the extraction of 2 elements (2.1 - 2.2), with severe compromise of the root structure and interproximal attachment loss.

The alveolar preservation technique chosen for this case sees the combined application of a bone graft and a connective tissue graft, with the aim of preparing the site for a second stage surgery in 4 months.

Video Lecture 4: Vertical ridge augmentation: vertical GBR and horizontal augmentation - Part 2

This video completes the previous one, and shows the second stage surgery of the same case approached in video #3.

After 4 months from the ridge preservation, the surgeon proceeds with a tridimensional alveolar bone augmentation with titanium-reinforced non resorbable membrane.

Video Lecture 5: Vertical ridge augmentation: 7 months healing evaluation, implant placement and contextual soft tissue volume enhancement via collagenic membrane - Part 3

After 7 months from the tridimensional bone augmentation described in video #4, the surgical site is re-accessed in order to proceed with the installation of 2 hybrid implants. Contextually the adjacent soft tissue volume is improved through the application of a collagenic membrane.

Video Lecture 6: Resolution of extensive peri-implantitis bone defect via vertical GBR - Part 1

This ReLive video surgery opens a series of 2 videos dedicated to the same case. Here we can appreciate the surgical resolution of an extensive tridimensional defect in the esthetic zone (elements 2.2, 2.3, 2.4, 2.5). The approach chosen to solve this defect, whose origin is related to severe peri-implantitis, is vertical guided bone regeneration with a titanium-reinforced membrane.

Video Lecture 7: Resolution of extensive peri-implantitis bone defect: membrane removal after 9 months - Part 2

This video follows the lecture #6 and shows the removal of the titanium-reinforced membrane placed 8 months ago. In this video we can appreciate the placement of 3 hybrid implants and the contextual enhancement of the adjacent soft tissue thickness through the application of porcine collagen matrix.

Video Lecture 8: Complex case of regenerative dentistry with resorbable membrane

This video depicts the surgical resolution of a severe post-traumatic composite bone and soft tissue defect. The approach chosen sees the application of a resorbable collagen membrane in order to augment tridimensionally the tissues and promote soft tissue maturation.

Video Lecture 9: Management of atrophic posterior maxilla: vertical GBR + sinus lift - Part 1

This ReLive video surgery allows to appreciate the step-by-step management of a severe maxillary deficiency, where the synergy between vertical GBR with a titanium-reinforced membrane and the sinus floor elevation plays a central role.

Video Lecture 10: Management of atrophic posterior maxilla: membrane removal - part 2

This ReLive surgery depicts the second stage surgery of the case outlined in video #9.

3 hybrid implants are placed in the newly-formed bone, with contextual additional bone graft and a resorbable membrane as barrier.

Video Lecture 11: Narrow edentulous ridge expansion through GBR

This video shows the horizontal augmentation of a narrow crest through GBR approach.

The non-resorbable titanium-reinforced membrane used for the procedure sees the application of an osteosynthesis screw as horizontal support. The commentary allows to appreciate the GBR protocol step-by-step.

Video Lecture 12: Mandibular vertical atrophy resolution via GBR and immediate implant placement

This video shows a posterior alveolar ridge vertical augmentation surgery, with contextual placement of 3 hybrid implants.

To provide support to the regeneration, the surgeon applies a non-resorbable titanium-reinforced membrane.

BIO:

Prof. **Massimo Simion**

Degree of Medicine and Surgery at the University of Milan in 1979. Specialization in Odontostomatology and Dental Prosthodontics at the University of Milan in 1982.

From 1987 to 1994 Consultant Professor at the School of Specialization of Odontostomatology of the University of Milan. Since 1996 Consultant Professor at the University of Parma Scientific Secretary and Founder of the Italian Society of Osseointegration.

Member of the Board of the European Association for Osseointegration (EAO) since 1998. President of the EAO for the year 2001-2003. He works half time in his private practice, limited to periodontics and implant surgery, and half time professor at the University of Milan, department of periodontology and implant therapy.

He published several papers and he is an international lecturer on the topic of osseointegration and guided bone regeneration.



