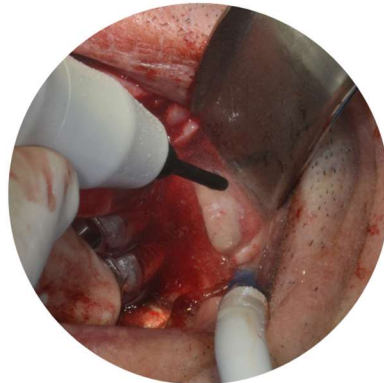
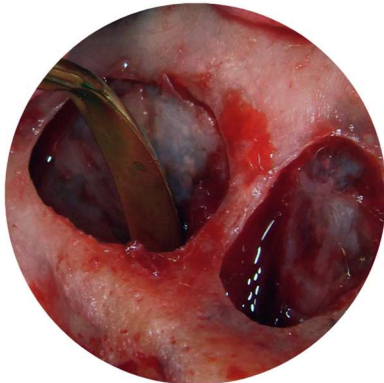


ESACROM R&D DEPT.

PRESENTS

GUIDED LATERAL SINUS ELEVATION KIT

By Dr. Marco Rinaldi

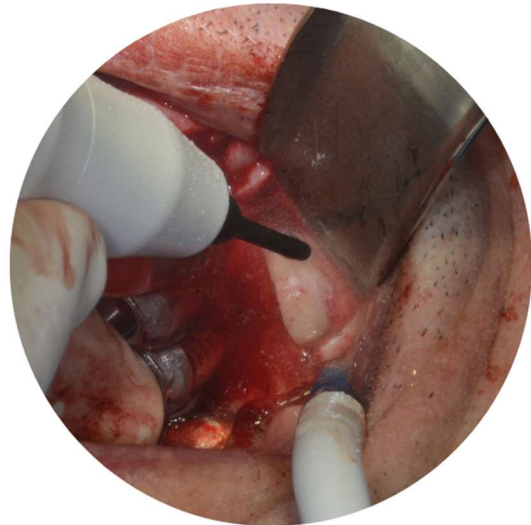
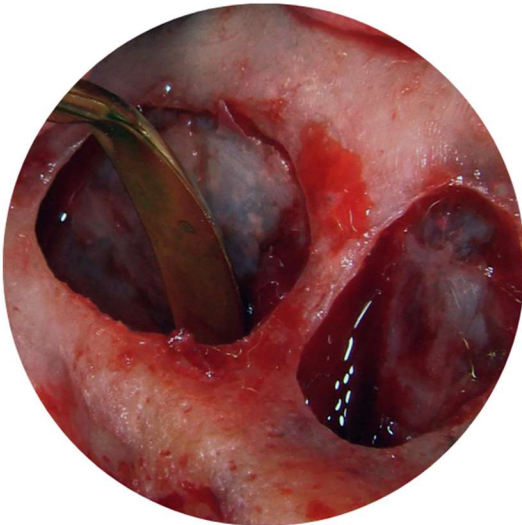
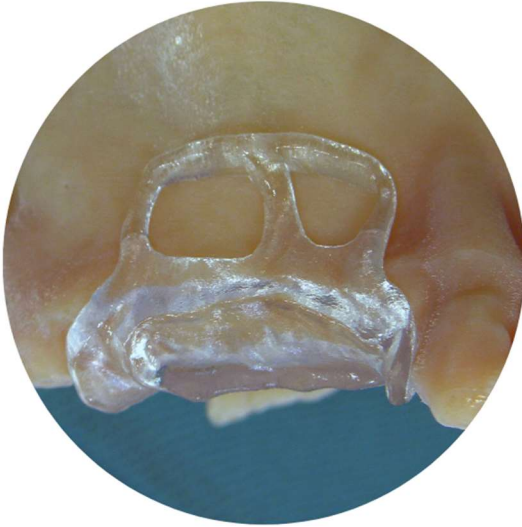


INTRODUCTION

Study with CT - 3D images and a three-dimensional view of anatomy are necessary to properly plan many surgeries. Today we can use software, stereolithography models and surgical guides to perform many surgeries more accurately and safely. We have published specific protocols (Ganz-Rinaldi Surgical Protocols Using 3D Technologies, Elsevier 2009-2016) that provide for the use of specific surgical guides (Sinus Lifting Guide, Harvesting Guide, Zygomatic Surgical Guide) for the execution of sinus floor elevations (Sinus Augmentation Lateral Approach Protocol) for bone sampling (Harvesting Protocol), for reconstructive surgery (Reconstructive Surgery Protocol), for zygomatic implantology (Zygomatic Implants Protocol). Piezoelectric instruments are essential for the execution of these protocols as they allow you to easily follow the cutting guides and perform very precise guided osteotomies. For this reason we have organized specific surgical kits for these techniques: Guided Lateral Sinus Elevation Kit, Guided Osteotomy & Bone Harvesting Kit, Short Implants Kit.

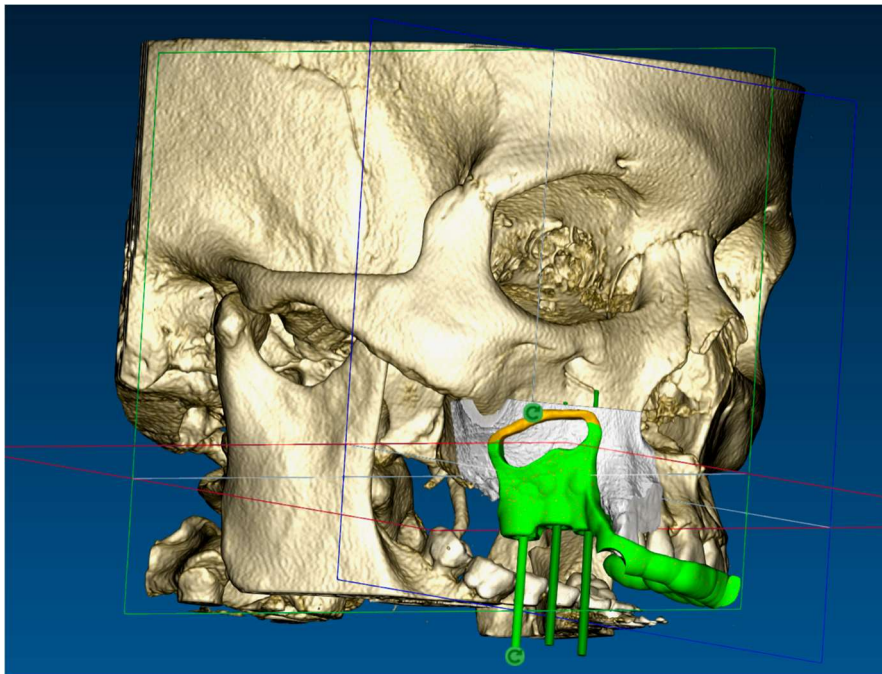


CLINICAL CASE

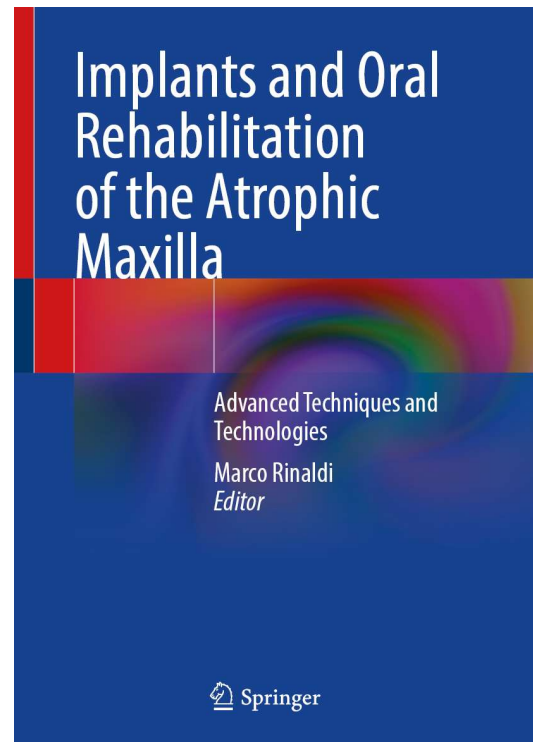
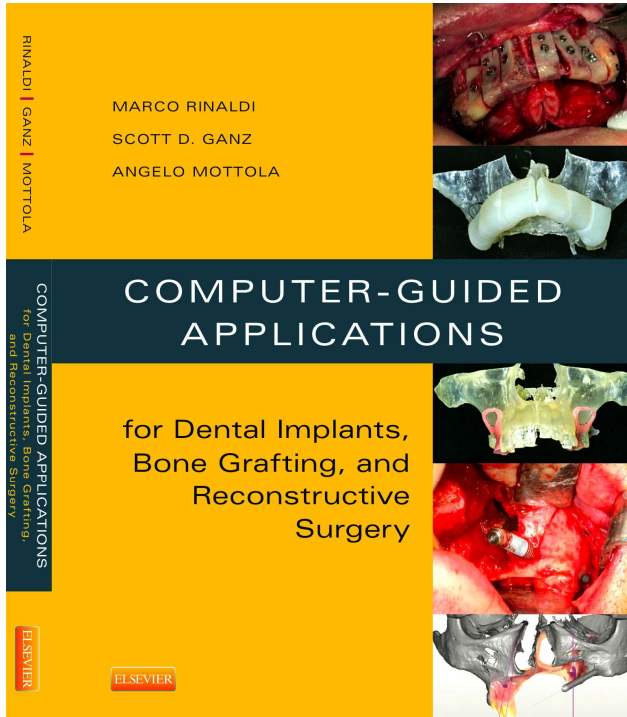


Guided Sinus Augmentation Lateral Approach Protocol

From the CT images, with a drawing software or directly on the stereolithographic model, the seat and shape of the sinus fenestration are defined. In this way we can choose the most favorable location avoiding, for example, too narrow infundibular areas, adhesion areas at extraction sites, bone septa. It is not always appropriate to perform fenestrations with identical morphology, for example oval or rectangular as the anatomy is very variable and in many cases it is necessary to adapt to the morphology of the maxillary sinus and draw osteotomies with particular shapes. In fact, it may be appropriate to follow the sinus floor that tends to rise from distal to mesial, or it may be necessary to carry out fenestrations of particular shape to avoid involving the antral alveolus artery, or even adapt the osteotomies to the presence of transverse bone septa. In all these cases, to perform sinus fenestrations of different morphology we use the "Sinus Lifting Guides" in association with piezoelectric inserts of different shapes to trace the osteotomic lines on the bone surface. We use wide shapes to thin the sinus bone wall and fine and pointed shapes to draw the contours of the fenestrations in association with more classic inserts to complete the realization of the fenestration of access to the breast. By using this protocol we will be able to avoid many complications and carry out more precise interventions respecting the patient's anatomy.



BOOKS



DEDICATED TIPS

ES002T	ES004BT	ES008AT
		
ES004DT	ES008BT	ES009T
		
ES007ST	ES035T	
		

PARAMETERS

	ES002T	ES004BT	ES008AT	ES004DT	ES008BT	ES009T	ES007ST	ES035T
U	40	20	40	20	40	45	40	40
V	80	40	80	40	80	80	80	80
P	100	100	100	100	100	100	001	100
MAX POWER	50	50	60	50	50	70	70	50

U: Suggested power

V: Suggested vibra

P: Suggested water pump

MAX POWER: Maximum power at which the insert can be used

DR. MARCO RINALDI



Surgeon, specialist in odontostomatology. He has participated in international studies and research for the optimization of computer-guided surgery and for the use of stereolithographic models in pre-implant reconstructive surgery. Past-President Computer Aided Implantology Academy (CAI Academy) Past-President SimPlant Academy. Active Member International Academy for Digital Dental Medicine (IADDM), Active Member of the Italian Society of Odontostomatology Surgery, Life Member Academy of Osseointegration (AO), Honorary Member CAI Academy.

Member of the Editorial Board of some specialized journals.

Speaker at national and international congresses, in Italy and in many foreign countries.

Lecturer at university masters at various universities and author of numerous scientific publications and some books including: Computer Guided Applications for Dental Implants, Bone Grafting and Reconstructive Surgery, Elsevier USA (2015) published in English, Chinese and Spanish.

Implants and Oral Rehabilitation of the Atrophic Maxilla – Advanced Techniques and Technologies, Springer (2022).

He works as an Oral Surgeon at his own practice and at the Villalba Private Clinic (GVM Care & Research) in Bologna

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