

Build a Solid Foundation for Implant Success

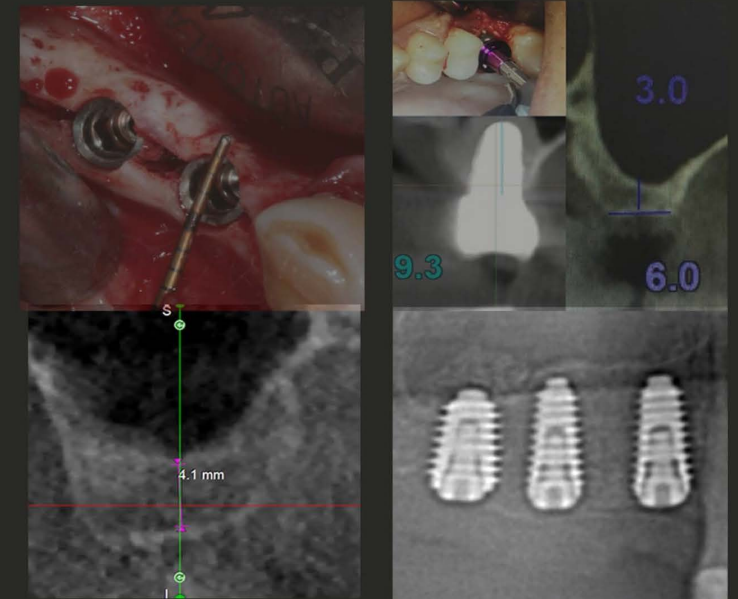
One Day Hands-on Practical Training

Amman
21st May 2024

Prof. Walid Altayeb

Topics covered:

- Increasing Bone Density
- Improving Bone Quality
- Increasing Bone Volume
- Crestal Sinus Lifting
- Immediate Implantation
- Alveolar Ridge Expansion



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Build a Solid Foundation for Implant Success

Prof. Dr. Walid Altayeb
Amman, Jordan 21 May 2024
One-day hands-on course.

Since the beginning of dental implant therapy, the technique used for the implant site preparation has been considered one of the most important factors affecting osseointegration. Therefore, instruments for implant site preparation capable of improving osseointegration are desirable. Osseodensification, an evidence-based approach to osteotomy preparation that enhances implant stability and bone density without compromising healing.

This whole-day training will minimize the learning curve and help understand the science behind osseodensification. Didactic scientific learning and hands-on practical training will present the biomechanical, histological healing timeline, and clinical data of Osseodensification. The osseous densification technique would increase primary stability, bone mineral density, and the percentage of bone at the implant surface compared with drilling technique.

Osseous densification was shown to increase the insertion and removal torques of the implants compared to standard drilling and extraction drilling. It will discuss bone plasticity and its clinical effect and will also cover the clinical versatility of this novel technique including:

1. Site optimization utilizing the Osseodensification.
2. Sub Crestal Sinus Autografting Procedure.
3. Lateral Ridge Expansion.
4. Compaction Autografting technique.
5. Immediate Implant Placement with Osseodensification
6. Review Densification Guide for any implant system.

The program requires didactic scientific education and clinical cases review as well as additional hands-on simulation with:

- Actual bone specimen model
- Sinus Lift simulation model
- Ridge Expansion simulation model

General Objectives:

- Review the scientific principal of Osseodensification
- Discuss the Biomechanical validation of Osseodensification.
- Learn and practice the Clinical Versatility of Osseodensification
- Explore different techniques of using osseodensification
- Risk assessment and avoiding complication.
- Develop the surgical skills required for placement of implants

TIME	TOPIC	LEARNING OBJECTIVES	DURATION
8:00 - 8:30	Registration and welcome		30 mins
8:30 - 9:00	Basic principles in implant dentistry	<ul style="list-style-type: none"> Outline the bone plasticity and its clinical effect Review the importance of site preparation in osseointegration 	30 mins
9:00 - 9:30	Biomechanics in implant osteotomy preparations	<ul style="list-style-type: none"> Explain the biomechanical validation of osseodensification Show the limitations, advantages and disadvantages of osseodensification 	30 mins
9:30 - 10:30	Site optimization utilizing the Osseodensification	<ul style="list-style-type: none"> Present how to increase primary stability, bone mineral density, and bone-to-implant contact 	60 mins
10:30 – 11:00	Coffee Break		30 mins
11:00 - 12:00	Sub-crestal sinus autografting procedure.	<ul style="list-style-type: none"> Outline the minimally invasive crestal approach sinus floor elevation using osseodensification 	60 mins
12:00 - 12:30	Lateral ridge expansion	<ul style="list-style-type: none"> Demonstrate the role of osseodensification in facilitating ridge expansion 	30 mins
12:30 - 1:00	Osseodensification in immediate implant placement	<ul style="list-style-type: none"> Outline the compaction autografting technique How to increase the primary stability in immediate implant placement 	30 mins
13:00 - 14:00	Lunch Break		60 mins
14:00 - 17:00	Workshop: Hands-on simulation practical training <ul style="list-style-type: none"> - Preparing of implant site using osseodensification - Practicing 3 protocols of sub-crestal sinus lifting - Practicing ridge expansion 	<ul style="list-style-type: none"> How to use osseodensification Illustrate the recently designed decision making in sinus lifting cases How to use autografting using osseodensification How to increase the primary stability using osseodensification technique How to expand the narrow alveolar ridge using osseodensification technique 	180 mins
17:00 - 18:00	Complications , discussion, and course conclusion		60 mins

Prof. Dr. Walid Altayeb

DDS, MSc, PhD



- Dr. Altayeb received his dental degree from Faculty of Dentistry, Damascus University in 1998
- He completed his Master of Science in Periodontics in 2004 and Doctorate of Philosophy PH.D in Periodontics in 2008
- Master of Academy of Laser Dentistry, Florida, USA
- President-elect of ALD 2023-2024, Treasurer 2022-2023
- Academy of Laser Dentistry Board of Directors and ALD Speakers Bureau
- Guest Professor, Faculty of Dental Medicine, Istanbul Ayden University, Istanbul, Turkey
- Prof. a c at Master Laser Dentistry Università Cattolica del Sacro Cuore di Roma, Italy
- Guest Professor, UNIVERSIAPOLIS The International University of Agadir, Agadir, Morocco
- Dr. Altayeb received The Leon Goldman Award for Clinical Excellence/ 2023 of ALD
- He received The John G. Sulewski Distinguished Service Award / 2019 of ALD
- A speaker in many conferences in Middle East, Europe, and USA in the fields of Periodontal Medicine, Implantology, and Laser Dentistry.
- Over the last seven years, he has provided more than 1414 CPD hours in the field of Esthetic Periodontics, Implantology, and Laser Dentistry.
- He is running “Pink Aesthetics & Laser Dentistry” courses with the British Academy of Implant and Restorative Dentistry in Middle East and North Africa.
- Dr. Altayeb achieved Advanced Proficiency certificates of Academy of Laser Dentistry
- The founder and chair of ALD Gulf Laser Chapter
- Past Chair of ALD International Relations Committee
- The founder of Laser section in the British Academy of Implant and Restorative Dentistry and the founder of the Professional Diploma in Advanced Laser Dentistry of BAIRD
- General Secretary of iLED 2018 and iLED 2019 conferences
- Dr. Altayeb is working in private as periodontist and Implantologist in:
 - Tamim Dental Polyclinic, Doha, Qatar.
 - Dr. Imran Aestheticare Center, Dubai, UAE.

