

KS system

New key Solution
from OSSTEM

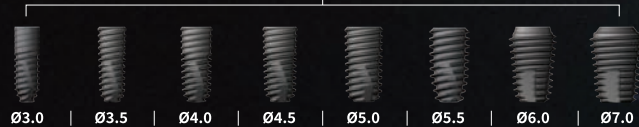
Even Stronger Implant!

Fatigue fracture strength enhanced
by 2.4 times as compared to existing products.

- 15° Morse Taper Stability
- Deep Connection Stability
- Thick wall Stress



Single Platform



Use a single abutment for all implant diameters.

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IMPLANT

OSSTEM IMPLANT Co., Ltd.
www.osstem.com

2023 TÜRKİYE-İSTANBUL 

OSSTEM WORLD MEETING



OSSTEM[®]
IMPLANT

History

<div><div>1 Achieved the sales accounts of 1.534 trillion KRW in 2022 World's No.1 for 6 consecutive years in implant sales(2017-2022)</div><div>4 Osstem Interior have contracted with 900 dental clinics</div></div>		<div><div>3 Established Osstem Interior Co., Ltd</div><div>5 Launched Dental CBCT T2 for next-generation</div><div>6 Launched Premium Unit Chair K5</div><div>9 Operates 30 foreign subsidiaries in 26 countries</div></div>	
2023	2022	2021	2020
<div><div>1 Approved Hiossen 'EK SYSTEM' by the FDA in the U.S.</div><div>4 Unit chair K5 awarded a Main Prize at the iF Design Award 2022</div></div>		<div><div>2 Launched dental general website of 'Denall'</div><div>7 Relocation of Osstem Implant HeadQuarter</div><div>11 Acquired certification in regards of "Innovative Medical Device Company"</div><div>12 Received Republic of Korea Technology Grand Award with Osstem 'SOI Implant' by Prime Minister</div></div>	
<div><div>12 Received 'Brand Top Award on 56th Trade Day', 'Industrial Packaging Award', 'Presidential Citation', 'Prime Minister's Citation', and trade award given by KITA(Korea International Trade Association)</div></div>		<div><div>4 Launched the line-ups of dental composite imaging equipment T1</div><div>12 Received presidential citation on job creation from government</div></div>	
2019	2018	2017	2016
<div><div>1 Received 12th grand prize for customer satisfaction management Established Dental Clinic Interior Design R&D Center</div><div>12 Received '100 Million Dollar Top Export Award' on Trade day</div></div>		<div><div>1 Established Vussen</div><div>3 Took over Cardiotec</div><div>4 Launch dental clinic interior business</div><div>8 Took over Hubit</div><div>12 Unit Chair K3 is selected as world-class goods for next generation (Ministry of trade, industry and energy)</div></div>	

<div><div>2 Launched a website of 'denall.com'</div><div>6 Launched a website of 'denjop.com'</div><div>7 Established Medical Equipment R&D Center</div></div>		<div><div>1 Established Osseous Science Research Center</div><div>4 Launch AIC video seminar that provides nationwide network simultaneously</div><div>7 Received general grand prize for Korean health industry (Ministry of Health and Welfare)</div></div>	
2015	2012	2011	2008
<div><div>3 Established Osstem Pharma</div></div>		<div><div>6 Osstem Implant R&D Center was selected as ATC (Excellent technical research center)</div><div>7 Selected as 2011 World Champ corporation (KOTRA)</div><div>12 Selected as world-class goods (Ministry of trade, industry and energy)</div></div>	
<div><div>3 Changed the company name as Osstem Implant</div><div>9 Established subsidiary in Philadelphia, U.S and began construction of Manufacturing Center</div><div>12 Established 1st stage of overseas subsidiary offices (12 countries)</div></div>		<div><div>7 Established Information System R&D Center</div></div>	
2007	2006	2004	2003
<div><div>2 Stock-listed in KOSDAQ and began stock trade</div></div>		<div><div>4 First Osstem Meeting Launched a website of 'denple.com'</div></div>	
<div><div>1 Established the Osstem Implant R&D Center</div><div>8 Approved by the FDA in the US</div></div>		<div><div>6 Launch Hanaro(integrated dental management software)</div><div>10 Took over Soo-min General Dental Goods (First implant manufacturer in Korea)</div></div>	
2002	2001	2000	1997
<div><div>1 Acquired CE-0434 certificate</div><div>3 Established the AIC (Advanced dental Implant research & education Center)</div></div>		<div><div>1 Established Osstem (D&D system)</div><div>12 Launch Doobunae (insurance claim software)</div></div>	

Greeting



First of all, I would like to express my sincere condolences and deepest sympathy to those who have been suffered from the devastating earthquake in Türkiye. I sincerely hope for the earliest possible return to normalcy, and for the recovery and restoration of the affected regions. I am so pleased to host this Osstem World Meeting in 4 years after the last Osstem World Meeting in Tokyo 2019 due to the COVID-19 pandemic. I am so glad to meet all Osstem World Family here in Istanbul who have shown their affection.

Since 2000, implant has globally gained a lot of attention in the dental industry. Dental implant completely replaces the missing teeth satisfying function and esthetic aspects compared to existing crown & bridge or denture. Since 2020, we have entered the era of digital dentistry. Introduction of digital guided implant surgery enables even immature dentists to place the implants in an accurate and safe manner, but also allows patients to eat the food much shorter after implant treatment.

As applicable scope of digital dentistry is gradually increasing, digital dentistry is used not only for implant treatment but also for the fabrication of prosthesis such as crown, bridge and denture. Digital dentistry expands the scope of applicable orthodontic treatment which is beneficial for both patients and dentists. Thus, the number of dentists taking advantage of digital dentistry is rapidly increasing. With this trend, Osstem Implant is also making every effort to apply digital dentistry into treatment and to lead the industry. We are developing OneGuide SW for digital implant surgery, One3 for digital radiation, OnePros SW for fabrication of digital crown & bridge, and OneDenture SW for fabrication of digital denture. In particular, we also focus on developing OneOrtho SW for simple design of invisible orthodontic appliance. Those CAD SW can generate three-dimensional shape working with the digital milling machines of OneMill 4X and OneMill 5X, and OneJet of 3D printer. They were already released and gained favorable review in the market. Osstem has released Conebeam CT T2, which serves as key part of digital dentistry, and is set to release intra-oral scanner in the near future.

Osstem Implant has invested more than 11% of its sales in R&D field, and more than 650 researchers are putting their best effort to develop the best products. Under the educational goal of "Do Implant Yourself", we are strengthening education and training programs on implants for dentists. To this end, the company has made its effort to focus on the R&D activities, production of excellent products, and education programs for dentists. We will do our best to become the No.1 in all areas in the world not only in sales volume of implant.

Given the digital trend of dental industry, "Future of Digital Dentistry" is the main theme for lecture and Hands-On Course of Osstem World Meeting in Istanbul. The hands-on courses on Friday is planned to present the digital hands-on practice covering from OneCAS, OneGuide and All-ON-X, to GBR surgery with Digital Guide. On Saturday, the distinguished directors from South Korea, USA, Türkiye, Chile, and Croatia will give valuable lectures on digital dentistry.

Once again, I would like to express my gratitude to directors who have acted as speakers and moderators, and to participants who attend this meeting from all over the world. I really hope you can take lessons from this Osstem World Meeting.

I wish everyone good health and luck.

Chairman of OSSTEM IMPLANT
Kyoo-ok, Choi (DDS, PhD)

Program



Future of Digital Dentistry

2023.05.13 (SAT) 09:00 ~ 18:00

Session	Contents	Time	Subject	Speaker	Moderator
Opening		09:00 ~ 09:10	Opening		
Session 1	Lecture 1	09:10 ~ 09:40	Through a Keyhole, Look at the World - OneCAS system	Prof. Chang-Joo Park (Korea)	Dr. Kyoung-Won Kim (Korea)
	Q&A	09:40 ~ 09:50	Q&A		
	Lecture 2	09:50 ~ 10:20	Immediate Provisionalization and Nonfunctional Loading using Guided Surgery	Dr. Zachary Papadakis (USA)	
	Q&A	10:20 ~ 10:30	Q&A		
	Break	10:30 ~ 10:40	Break		
Session 2	Lecture 3	10:40 ~ 11:10	How to improve the accuracy : Usage of osstem OneGuide systems at the limited anatomical sites.	Dr. Ismail Ondur (Türkiye)	Dr. Esra Ondur (Türkiye)
	Q&A	11:10 ~ 11:20	Q&A		
	Lecture 4	11:20 ~ 11:50	Protocols for Aesthetics Zone Management : From Planning to Prosthetic Reconstruction	Dr. Özgür Bultan (Türkiye)	
	Q&A	11:50 ~ 12:00	Q&A		
	Lunch	12:00 ~ 13:10	Lunch		
	Osstem Greeting	13:10 ~ 13:40	Chairman of OSSTEM IMPLANT		
Session 3	Live surgery	13:40 ~ 14:40	Implant placement with OneGuide system in challenging situation	Dr. Yong-Jin Kim (Korea)	Prof. Marco Tallarico (Italy)
	Q&A	14:40 ~ 14:50	Q&A		
	Break	14:50 ~ 15:00	Break		
Session 4	Lecture 5	15:00 ~ 15:30	Management of Mandibular Incisors Using Osstem's MS Implants and OneMS KIT	Dr. Eugene Kim (USA)	Prof. In-Ho Cho (Korea)
	Q&A	15:30 ~ 15:40	Q&A		
	Lecture 6	15:40 ~ 16:10	Facial Driven Planning in implant Dentistry	Dr. Luis De Bellis (Chile)	
	Q&A	16:10 ~ 16:20	Q&A		
	Break	16:20 ~ 16:30	Break		
Session 5	Lecture 7	16:30 ~ 17:00	Analog concepts for digitally guided surgery in posterior mandible	Dr. Yong-Seok Cho (Korea)	Dr. Árpád Joób-Fancsaly (Hungary)
	Q&A	17:00 ~ 17:10	Q&A		
	Lecture 8	17:10 ~ 17:40	Performance of TS III implants in horizontally regenerated bone	Prof. Darko Božić (Croatia)	
	Q&A	17:40 ~ 17:50	Q&A		
	Ending	17:50 ~ 18:00	Ending		



Speakers



Lecture 1
Prof. Chang-Joo Park (Korea)
Through a Keyhole, Look at the World - OneCAS system

- DDS, PhD, Seoul National University School of Dentistry
- Training, Department of Oral & Maxillofacial Surgery, Seoul National University Dental Hospital
- Fellowship, Department of Dental Anesthesiology, Seoul National University Dental Hospital
- Research Scholar, Department of Periodontics, University of Pennsylvania School of Dental Medicine, PA
- Professor, Department of Oral & Maxillofacial Surgery, Hanyang University Hospital, Seoul, Korea



Lecture 2
Dr. Zachary Papadakis (USA)
Immediate Provisionalization and Nonfunctional Loading using Guided Surgery

- Director of Implant Dentistry, Mount Sinai Health
- Assistant Clinical Professor, New York University College of Dentistry
- Dean's Faculty, University of Maryland College of Dentistry
- Papadakis & Gonzalez DDS PLLC (Private Practice, NY)



Lecture 6
Dr. Luis De Bellis (Chile)
Facial Driven Planning in implant Dentistry

- Catholic University of Uruguay (General Dentist)
- University of Chile (Maxillofacial buccal Implantologist)
- Adjunct Professor at the University of Chile
- Coordinator of the 3rd Year of the Maxillofacial buccal implant Program
- Shining 3D dental Ambassador for Chile
- KOL for Ackuretta 3D printers
- Beta Tester and Instructor for Blender for Dental



Lecture 7
Dr. Yong-Seok Cho (Korea)
Analog concepts for digitally guided surgery in posterior mandible

- Dental College of Seoul National University, Korea
- Trained at Dept. of Oral and maxillofacial Surgery, Seoul National University Hospital
- Assistant professor at Chungbuk National University
- Director of 22nd Century Seoul Dental Hospital



Lecture 3
Dr. Ismail Ondur (Türkiye)
How to improve the accuracy: Usage of OSSTEM OneGuide systems at the limited anatomical sites.

- 2004 ~ 2009 – Istanbul University / Faculty of Dentistry (Undergraduate)
- 02.2017 – Istanbul University / Faculty of Dentistry, Oral and Maxillofacial Surgery (Doctorate)
- 2010 ~ Now – Private Biodent Oral and Dental Health Polyclinic in Istanbul (Private Clinic) (Chief)
- 2020 ~ Now – ISSCA - International Society for Stem Cell Application (Member & Consultant of Dental Applications)



Lecture 4
Dr. Özgür Bultan (Türkiye)
Protocols for Aesthetics Zone Management : From Planning to Prosthetic Reconstruction

- 1994 ~ 1999 - Istanbul University Faculty of Dentistry (Undergraduate)
- 2000 ~ 2006 – Istanbul University, Faculty of Dentistry, Department of Fixed Prosthesis (Doctorate)
- 2006 ~ 2016 – Istanbul University, Faculty of Dentistry, Prosthodontist (Assistant Professor)
- 2016 ~ Now – Vivadent Dental Clinic in Istanbul (Private Clinic)



Lecture 8
Prof. Darko Božić (Croatia)
Performance of TS III implants in horizontally regenerated bone

- DMD, MSc, PhD, School of Dental Medicine, University of Zagreb
- Associate Professor, School of Dental Medicine, University of Zagreb
- President, Croatian Society of Periodontology
- Member of Executive Committee, European Federation of Periodontology (EFP)
- President of the European Federation of Periodontology (EFP) (2023-2024)



LIVE ▶
Live surgery
Dr. Yong-Jin Kim (Korea)
Implant placement with OneGuide system in challenging situation

- DDS, College of Dentistry, DanKook University
- Trained at the Dept. of Oral and Maxillofacial Surgery, College of Medicine, University of Ulsan, Seoul Asan Medical Center
- MMSc, College of Medicine, University of Ulsan
- Diplomate, Korean Board of Oral & Maxillofacial Surgery
- Diplomate, Korean Board of Maxillofacial Plastic and Reconstructive Surgery
- ITI Member
- Director of Department of Oral and maxillofacial surgery at Woori General Hospital



Lecture 5
Dr. Eugene Kim (USA)
Management of Mandibular Incisors Using Osstem's MS Implants and OneMS Kits

- Lecturer, Department of Removable Prosthodontics, University of California Los Angeles
- Director of Advanced Live Implant Training (Baja California, Mexico)
- Implant Study Club Director, Pacific Implant Academy
- Perfect Smile Dental (Private Practice, CA)

Moderators



Session 1
Dr. Kyoung-Won Kim (Korea)

- DDS, MSD, Ph.D, School of Dentistry, Seoul National University, Korea
- Specialist of Oral & Maxillofacial Surgery
- Professor & Chairman, Dept. of Oral & Maxillofacial Surgery, Chungbuk National University, Korea
- Visiting Professor, Dept. of Oral & Maxillofacial Surgery, University of Texas, Health Science Center at Houston, Texas, USA
- Research Fellowship, Dept. of Bioengineering, Rice University, Houston, Texas, USA
- Director of Dental Research Institute, Osstem Implant Co.



Session 2
Dr. Esra Ondur (Türkiye)

- 2007 – Istanbul University / Faculty of Dentistry (Undergraduate)
- 2014 – Istanbul University / Faculty of Dentistry, Implantology (Doctorate)
- 2009 ~ Biodent Private Clinic
- 2021 ~ Regen Clinic



Session 3
Prof. Marco Tallarico (Italy)

- DDS and M.Sc. in Oral Surgery, University of Rome, Italy
- Certified in Implant-Based Therapy, European Association of Osseointegration
- President and Research Project Manager, Osstem AIC Italy
- Assistant professor, Department of the Surgical, University of Sassari
- Aesculapius Research Prize, University of Florence, Italy
- Active Member of IAQ, DDS, EAO, and AIOM



Session 4
Prof. In-Ho Cho (Korea)

- Graduate from Dental College of Seoul National University(SNU)
- Residency Training of Prosthodontic Dept. of SNU Dental Hospital
- Professor/Dean/Vice President of Dankook University, Korea
- President of Korean Academy of Prosthodontics
- President of Korean Division of IADR
- Visiting Professor of UCLA, USA / Gothenburg University, Sweden
- Professor Emeritus in Dankook University, Korea
- Director of Dental Research Institute, Osstem Implant Co.



Session 5
Dr. Árpád Joób-Fancsaly (Hungary)

- Graduated from Faculty of Dentistry, Semmelweis University
- Master of Implantology, University of Münster, Germany
- Deputy Director, Department of Oral and Maxillofacial Surgery, Semmelweis University
- Head of the Department of Dentoalveolar Surgery, Semmelweis University
- President, Hungarian Society of Implantology of Dentists
- Vice-President, Hungarian Society of Facial and Maxillofacial Surgery
- Vice-President and fellow, International Team of Implantology Hungary (ITI)

OneGuide

Completely Differentiated,
Extremely Convenient!

Template

01 Diagnosis

3D diagnosis with CBCT

02 Planning

Surgical planning by using digital system

03 Surgery

Surgery with Oneguide



LECTURE 1

TIME - 09:10~09:40 MODERATOR - Dr. Kyoung-Won Kim

Prof. Chang-Joo Park (Korea)

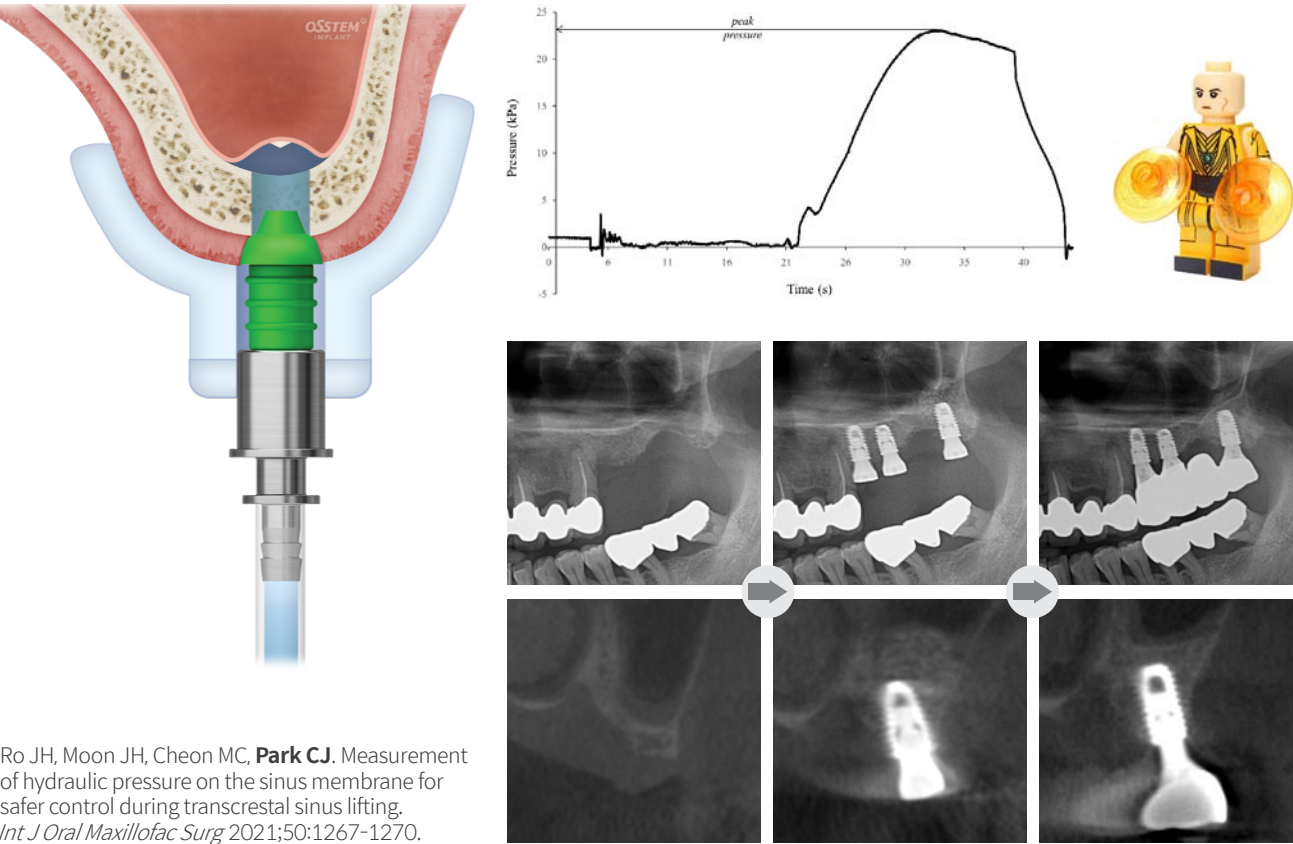
- DDS, PhD, Seoul National University School of Dentistry
- Training, Department of Oral & Maxillofacial Surgery, Seoul National University Dental Hospital
- Fellowship, Department of Dental Anesthesiology, Seoul National University Dental Hospital
- Research Scholar, Department of Periodontics, University of Pennsylvania School of Dental Medicine, PA
- Professor, Department of Oral & Maxillofacial Surgery, Hanyang University Hospital, Seoul, Korea



Through a Keyhole, Look at the World - OneCAS system

Recently, Osstem/Hiossen has introduced OneCAS system as its own digital implant surgery for transcrestal sinus lifting following OneGuide system. OneCAS system helps the implant clinicians perform the transcrestal sinus lifting quickly and safely in pneumatized maxillary posterior area and place the implants simply and precisely as planned. As the Ancient One says in the movie of Doctor Strange, OneCAS system will ultimately assist us in looking at the world (= maxillary sinus) through a keyhole (= digital eyes).

Upon completion of this lecture, participants should be able to 1) explain the expanded indications and advantages of OneCAS-guided transcrestal sinus lifting, 2) understand the principles, merits, and limitations of hydraulic transcrestal sinus lifting, and 3) know how to transfer the virtual 3D plan to the sinus lifting by using OneCAS system in detail.



Ro JH, Moon JH, Cheon MC, **Park CJ**. Measurement of hydraulic pressure on the sinus membrane for safer control during transcrestal sinus lifting. *Int J Oral Maxillofac Surg* 2021;50:1267-1270.

LECTURE 2

TIME - 09:50~10:20 MODERATOR - Dr. Kyoung-Won Kim

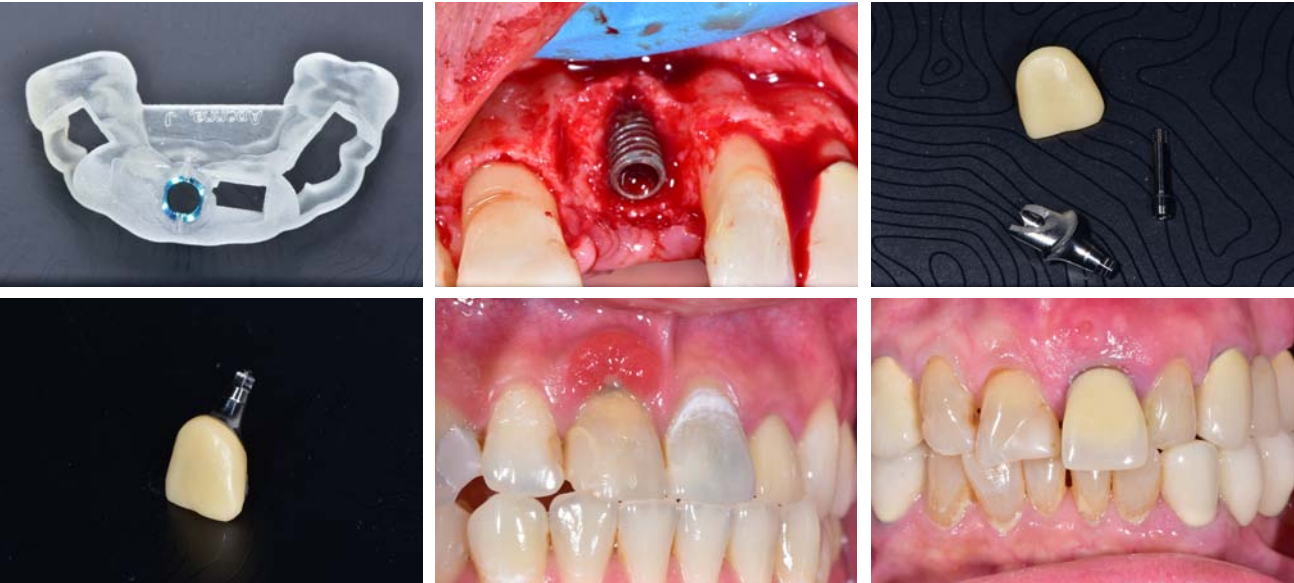
Dr. Zachary Papadakis (USA)

- Director of Implant Dentistry, Mount Sinai Health
- Assistant Clinical Professor, New York University College of Dentistry
- Dean's Faculty, University of Maryland College of Dentistry
- Papadakis & Gonzalez DDS PLLC (Private Practice, NY)



Immediate Provisionalization and Nonfunctional Loading using Guided Surgery

This lecture is designed for implant surgeons in all levels that wishes to incorporate available digital technology into their treatment workflow. Significantly reduce chair-time by using a unique innovative protocol for the final restoration. Accurate and efficient Digital Workflow will be discussed, thus simplifying surgical planning, immediate provisionalization and non-functional loading.



LECTURE 3

TIME - 10:40~11:10

MODERATOR - Dr. Esra Ondur

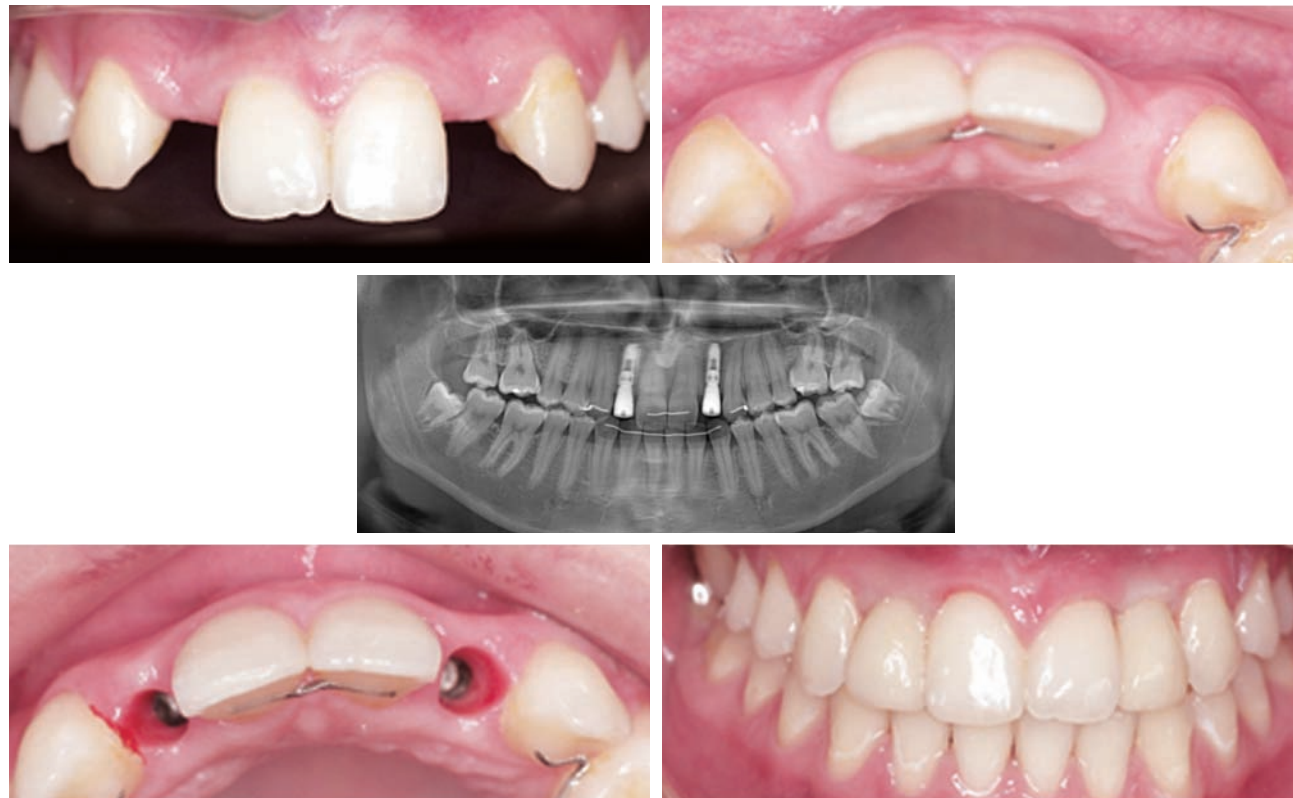
Dr. Ismail Ondur (Türkiye)

- 2004 ~ 2009 - Istanbul University / Faculty of Dentistry (Undergraduate)
- 02.2017 - Istanbul University / Faculty of Dentistry, Oral and Maxillofacial Surgery (Doctorate)
- 2010 ~ Now - Private Biodent Oral and Dental Health Polyclinic in Istanbul (Private Clinic) (Chief)
- 2020 ~ Now - ISSCA - International Society for Stem Cell Application (Member & Consultant of Dental Applications)



How to improve the accuracy: Usage of OSSTEM OneGuide systems at the limited anatomical sites.

Until nowadays in most of our cases, we applied free hand surgery approach to deal with our patients and I can say 'I am very happy with it'. Somehow at advance cases like placing implant between very close roots or bypassing anatomical structures during surgery, we need a road sign to orient us during drilling and implant placement. Even we are very experienced about what we are doing, there is always a human factor. This is an inevitable situation. Guided surgery (Osstem One Guide System) is a way that can give us more accurate pathway during drilling and predictable outcomes for implant placement. Which improves the treatments outcomes according to the patients expectations and the doctors psychological health during dealing with these expectations.



LECTURE 4

TIME - 11:20~11:50

MODERATOR - Dr. Esra Ondur

Dr. Özgür Bultan (Türkiye)

- 1994 ~ 1999 - Istanbul University Faculty of Dentistry (Undergraduate)
- 2000 ~ 2006 - Istanbul University, Faculty of Dentistry, Department of Fixed Prosthesis (Doctorate)
- 2006 ~ 2016 - Istanbul University, Faculty of Dentistry, Prosthodontist (Assistant Professor)
- 2016 ~ Now - Vivadent Dental Clinic in Istanbul (Private Clinic)



Protocols for Aesthetics Zone Management : From Planning to Prosthetic Reconstruction

Nowadays it is possible to achieve predictable esthetic outcomes for implant-supported restorations even in highly demanding areas. Implant placement, prosthetic selection, hard and soft tissue augmentation, technical crown design, and manufacturing are the key factors for success. This presentation will discuss and emphasize surgical, periodontal, and prosthetic steps in order to reach a predictable and stable result in the long term. Prosthetically driven guided implant surgery, emergence profile development with provisional restorations, definitive restoration design, and restorative materials selection will all be discussed. These concepts will be demonstrated through case presentations experienced in everyday dental practice.



LIVE SURGERY LIVE ▶

TIME - 13:40~14:40 MODERATOR - Prof. Marco Tallarico

Dr. Yong-Jin Kim (Korea)

- DDS, College of Dentistry, DanKook University
- Trained at the Dept. of Oral and Maxillofacial Surgery, College of Medicine, University of Ulsan, Seoul Asan Medical Center
- MMSc, College of Medicine, University of Ulsan
- Diplomate, Korean Board of Oral & Maxillofacial Surgery
- Diplomate, Korean Board of Maxillofacial Plastic and Reconstructive Surgery
- ITI Member
- Director of Department of Oral and maxillofacial surgery at Woori General Hospital



Implant placement with OneGuide system in challenging situation

• 60 years old, generally healthy male patient



Pre-operative clinical views



• Treatment plan

1. Extraction; #14,13,12=#23
2. Implant Placement with OneGuide System; #14,13,11,21,23,24
3. GBR with OssBuilder
4. Immediate Provisionalization with prefabricated customized abutments and PMMA Bridge



LECTURE 5

TIME - 15:00~15:30 MODERATOR - Prof. In-Ho Cho

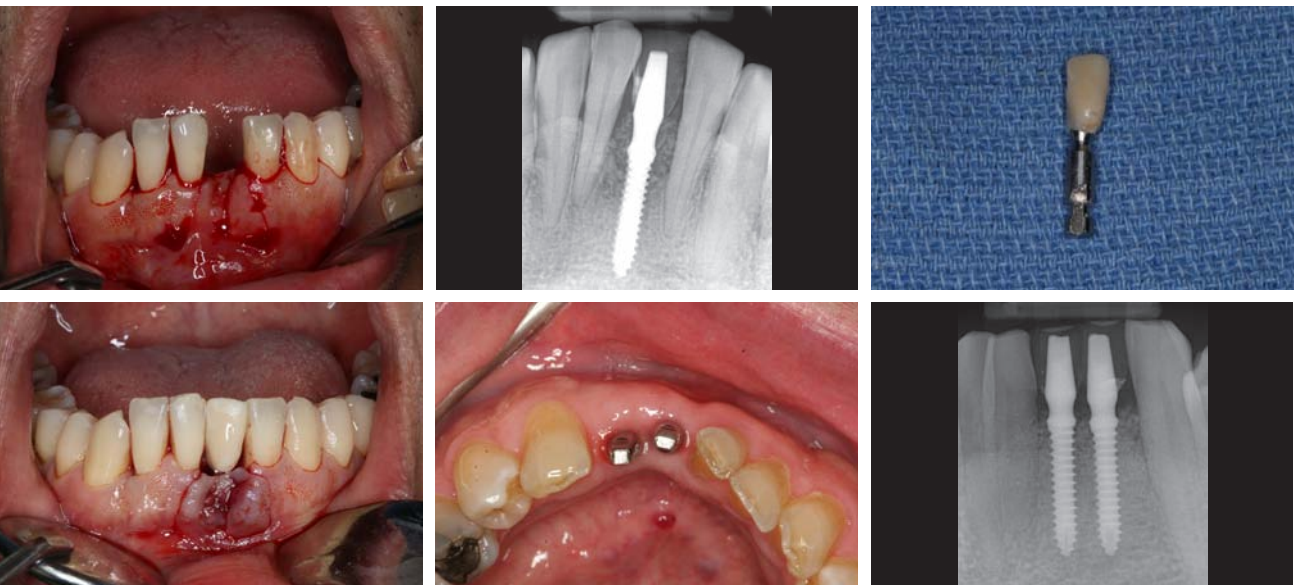
Dr. Eugene Kim (USA)

- Lecturer, Department of Removable Prosthodontics, University of California Los Angeles
- Director of Advanced Live Implant Training (Baja California, Mexico)
- Implant Study Club Director, Pacific Implant Academy
- Perfect Smile Dental (Private Practice, CA)



Management of Mandibular Incisors Using Osstem's MS Implants and OneMS KIT

Restoring mandibular incisors using dental implants bring unique challenges to dentists due to limited space. Hiossen's MS implants make it easy to replace mandibular incisors, but there are several things that dentists must understand prior to using the MS implant system. This presentation will outline exact steps involved in treatment planning and surgery techniques.



LECTURE 6

TIME - 15:40~16:10 MODERATOR - Prof. In-Ho Cho

Dr. Luis De Bellis (Chile)

- Catholic University of Uruguay (General Dentist)
- University of Chile (Maxillofacial buccal Implantologist)
- Adjunct Professor at the University of Chile
- Coordinator of the 3rd Year of the Maxillofacial buccal implant Program
- Shining 3D dental Ambassador for Chile
- KOL for Ackuretta 3D printers
- Beta Tester and Instructor for Blender for Denta



Facial Driven Planning in implant Dentistry

Performing a prosthetically driven diagnosis and treatment are mandatory to achieve optimal implant positioning and delivering the ideal prosthetic contour. Nowadays and as knowledge advances, Implant treatments are not only satisfactory for simply being able to have fixed teeth, but the main requirement is to look good. Thanks to the available technology, today it is relatively easy and predictable to be able to predict the results that we will obtain in our treatments, in addition to being able to communicate more easily to our patients what we want to do in our treatment proposal.



LECTURE 7

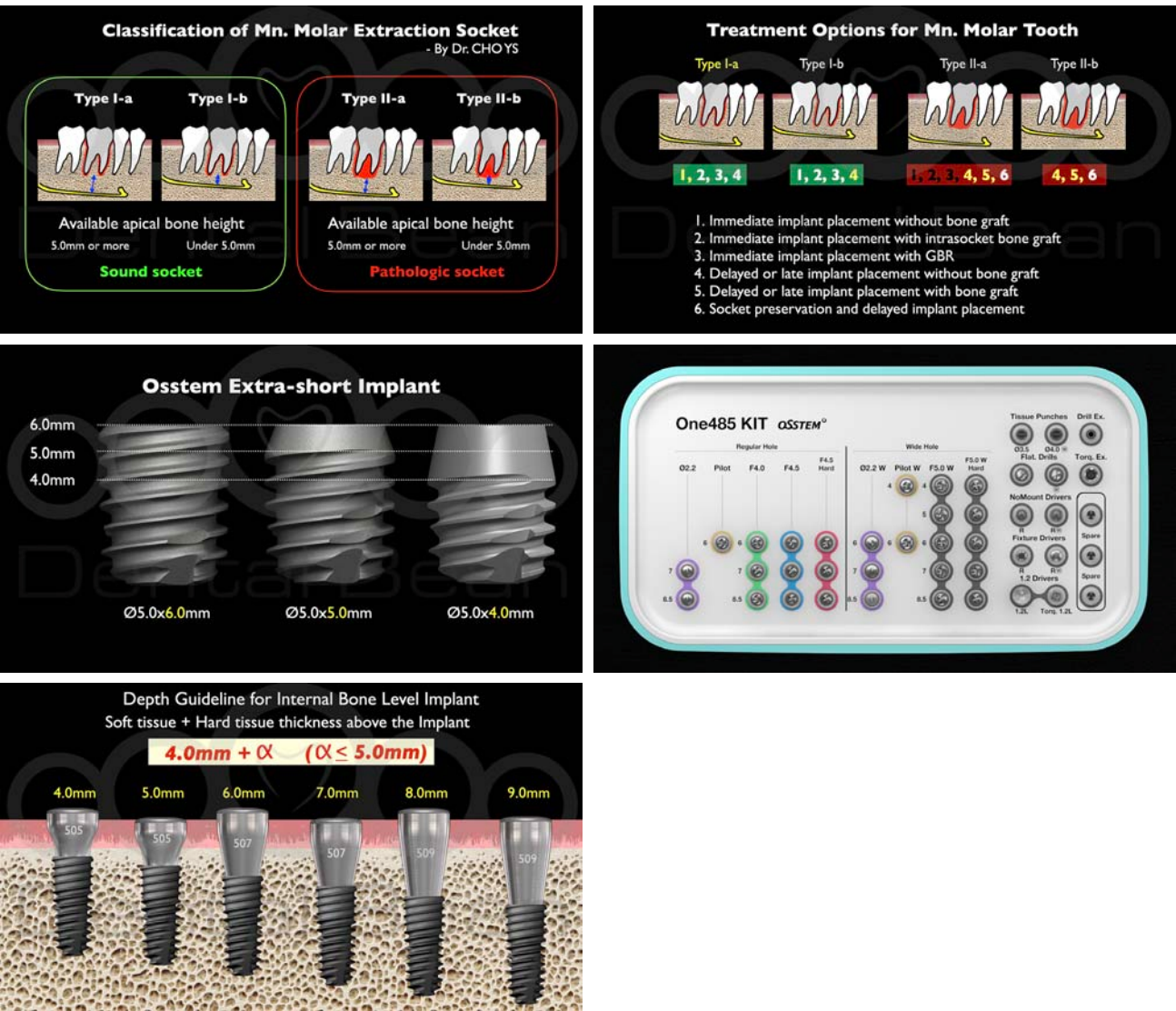
TIME - 16:30~17:00 MODERATOR - Dr. Árpád Joób-Fancsaly

Dr. Yong-Seok Cho (Korea)

- Dental College of Seoul National University, Korea
- Trained at Dept. of Oral and maxillofacial Surgery, Seoul National University Hospital
- Assistant professor at Chungbuk National University
- Director of 22nd Century Seoul Dental Hospital



Analog concepts for digitally guided surgery in posterior mandible



LECTURE 8

TIME - 17:10~17:40 MODERATOR - Dr. Árpád Joób-Fancsaly

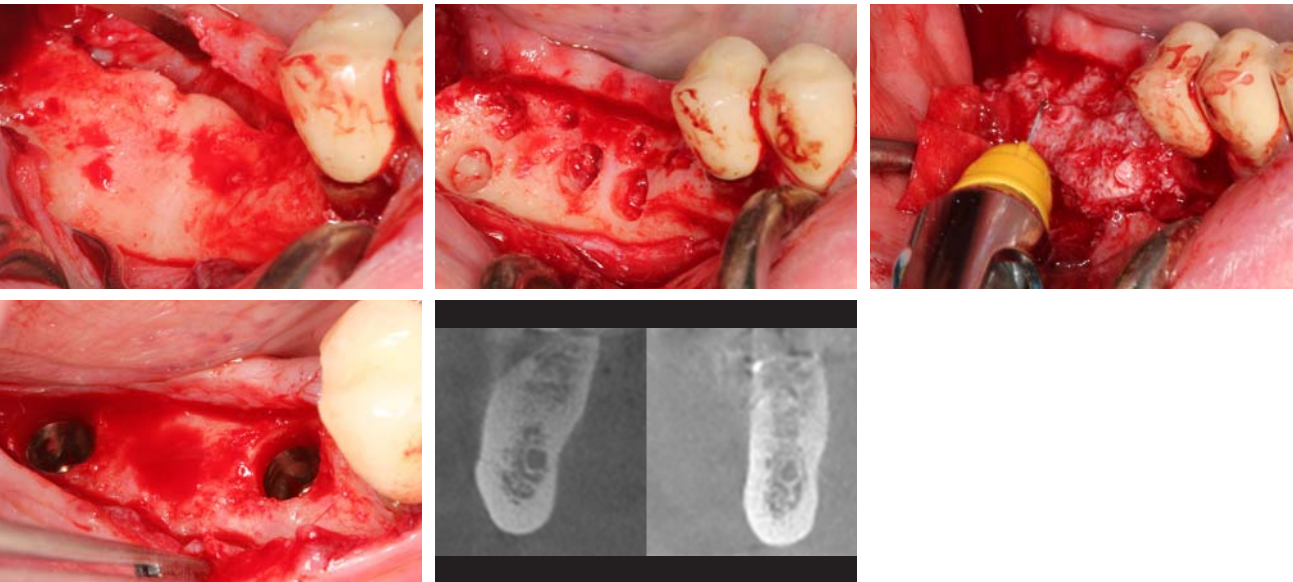
Prof. Darko Božić (Croatia)

- DMD, MSc, PhD, School of Dental Medicine, University of Zagreb
- Associate Professor, School of Dental Medicine, University of Zagreb
- President, Croatian Society of Periodontology
- Member of Executive Committee, European Federation of Periodontology (EFP)
- President of the European Federation of Periodontology (EFP) (2023-2024)



Performance of TS III Implants in Horizontally Regenerated Bone

Over the last several decades guided bone regeneration due to implant placement has become a common everyday treatment modality. Numerous approaches and procedures have been investigated with autogenous bone blocks and shields, allogenic and xenogenic bone grafting materials and various membranes being utilized. However, it is interesting to observe that although thousands of articles have been published the data still remains limited. In the realm of growth factors a new approach utilizing Hyaluronic acid in bone regeneration procedures has been investigated and successfully clinically applied. Once the bone is regenerated, implant and prosthodontic treatment can proceed. But, how stable is the regenerated bone and how do these implants perform? In this lecture we will take a look at the outcomes of such approaches with a focus on TS III implants and bone stability around them.

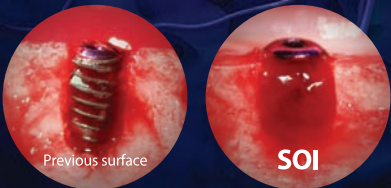


SOI
Super Osseointegration

Rich blood clot formation
Reduced treatment period!

Improved osseointegration function reducing the healing period by more than 30%

Fibrin network activated rich blood clot formation



Healing period reduced by more than 30% due to fast bone formation



Previous surface (SA) 6-8 weeks vs. SOI 4 weeks

Poster Contents

Implant

NO	SUBJECT	NAME	POSITION
1	Case Report : Upper full arch dental reconstruction using “Split Crest Technique” with implant supported bar overdenture restoration - 2 years follow up	Adnan Köse	Adnan Köse Dental Clinic
2	Case Report : Transforming a Patient’s Smile: A Comprehensive Makeover Using a One-Guide and All-on-Four System for Compromised Teeth	Recep Uzgur	Premium Dent Oral and Dental Health Clinic
3	Case Report : Successful Implant Rehabilitation following Wide resection of Medication-related Osteonecrosis of the Jaw (MRONJ) can be achieved with SOI dental implant	Jin-Woo Kim	Ewha Womans University
4	Case Report : Full mouth rehabilitation for Rheumatoid arthritis patient with chronic periodontitis - 6 months follow-up	Eun Suk Lee	Inplan Dental Clinic
5	Case Report : Prosthodontic rehabilitation of periodontally compromised site with screw-retained hybrid prosthesis - Multi Abutment : a choice for achieving retrievability	Hyun-Mo Kang	Yonsei University
6	Case Report : Solution for edentulous period using provisional implants (MS implant) and PMMA temporalization in full mouth reconstruction case	Hwa-Sun LEE	The Classic Dental Clinic
7	Case Report : Modified ridge splitting(ESSET kit) and bone expansion technique for Implant placement (TSIII SA) in posterior mandible	Si-Won Yoon	EwhaWomans University Mokdong Hospital
8	Case Report : Single Implant Restoration in maxillary anterior tooth	Soojin Moon	Kyung Hee University
9	Case Report : Full mouth rehabilitation with Surgical Guide Using Osstem Implant system	Jinho Hyun	Seoul Gaon Denta Clinic
10	Case Report : Immediate Functional Loading (All On 4 Concept) On A Patient Who Suffered From BRONJ Bisphosphonate-Related Osteonecrosis Of The Jaw - 27 months follow up	Burak B. Yurtbilir	BRÂNEMARK OSSEOINTEGRATION CENTER ISTANBUL TURKEY
11	Case Report : Orthodontic treatment combination with Seven dental implants: TS III SA surface, A 5Y 11M years follow up	Tungalag Terbish	SAIKHAN SHUD" dental clinical in Mongolia
12	Case Report : Successful implantation (TSIII) into focal cemento-osseous dysplasia with parallel guide kit and CAS kit - 4 years survival follow up	David Ngeow	University of Malaya

Digital

NO	SUBJECT	NAME	POSITION
1	Case Report : Fixed prosthetic restoration using all-on-6 system in patient with combination syndrome with OneGuide & model-less workflow	Jun Tae Hong	Yeosan dental clinic
2	Case Report : Simultaneous Digital Implant Restoration and Orthognathic Surgery	Jaeyoung Ryu	Chonnam National University
3	Case Report : Free hand implantation (open surgery) on #35 with Ti-mesh (ossbuilder) - horizontal and vertical bone augmentation	Tolga KODAZ	Dr. Tolga Kodaz Dental Clinic
4	Case Report : Immediate implantation using OneGuide with Digital temporary restoration.	Tolga KODAZ	Dr. Tolga Kodaz Dental Clinic
5	Case Report : Immediate implantation using OneGuide with Digital Sealing Socket Abutment (SSA)	Tolga KODAZ	Dr. Tolga Kodaz Dental Clinic

Materials & GBR

NO	SUBJECT	NAME	POSITION
1	Case Report : Post-ortho Immediate Implant Placement in 12 and 22 sites with LARGE bone atrophy for final implant bridge - 6 months follow up	Azeem Sheikh	Dr. Azeem Sheikh Dentistry Professional Co.
2	Case Report : Immediate Implantation with Osstem Smartbuilder After Cyst Enucluation - 5 Years follow up	Ufuk Taşdemir	Doç. Dr Ufuk Taşdemir Dental Clinic
3	Case Report : Bone augmentation by immediate implant placement using A-Oss and smartbuilder in a patient with bone deficiency in the maxilla.	Mustafa Cihan YAVUZ	İstanbul Medeniyet University
4	Case Report : REGENERATIVE DENTAL TREATMENT CELL RİCHEN GREFMATERIAL Q & A-OSS WITH SVF - SVF: Stromal Vascular Fraction	Esra Ondur	Regen Clinic
5	Case Report : Full mouth rehabilitation with simultaneous Osstem implant placement and guided bone regeneration using OssBuilder : a 5-year follow-up	Hyeon-min Lee	Chosun University
6	Case Report : Simultaneous Implant Placement and Guided Bone Regeneration via OSSTEM SmartBuilder™	Mehmet Cem Mekik	Özel Dent Gebze Ağız ve Diş Sağlığı Merkezi
7	Case Report : Vertical bone augmentation by immediate implant placement using Osstem vertical smartbuilder in a patient with vertical bone deficiency in the mandible.	Mustafa Cihan YAVUZ	İstanbul Medeniyet University

memo

Human Bone

A-Oss

A-Oss

Xenogenic graft material
most similar to human bone

Bovine Bone Substitute



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