

INDUSTRY CLINICAL

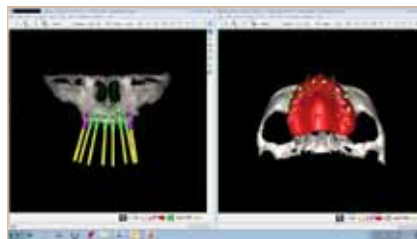


Fig. 1: Preoperative SimPlant planning showing the scan prosthesis.

Immediate restoration in the fully edentulous maxilla region

By Max J. Cohen, DDS,

This clinical case required optimal implant placement based upon a restoratively driven treatment plan and guided surgery. To achieve this goal, we made use of CT scans, SimPlant planning software, the new Zimmer guided surgery instrumentation and the new Materialise Dental Immediate Smile model.

The patient was a 49-year-old white female in good health, completely edentulous in the maxilla and wearing a complete upper denture. On the lower, she wore an implant-retained overdenture.

The planning phase for the case began with a CT scan utilizing the i-Cat and the Materialise Dental Dual Scan protocol. The patient's existing denture was transformed into a scan prosthesis by gluing eight Dual Scan Markers (Materialise Dental) on the surface. A radiolucent bite index was made to secure the prosthesis in the correct position.

The patient was scanned in the i-Cat 17-19 while wearing the convert prosthesis and the bite index. In a second scan, the convert prosthesis was scanned alone. The resulting CT data were loaded into SimPlant, and the scan prosthesis was superimposed upon the study using the SimPlant Dual Scan wizard (Fig. 1).

Using SimPlant, the optimum implant positions were determined based upon available bone, a minimum of 3 mm between implants, and the design of the final restoration (Fig. 2). The resulting treatment plan was submitted to Materialise Dental for fabrication of a SurgiGuide and a Materialise Dental Immediate Smile model.

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International Implantology Week



Dentists from 28 different countries attend a lecture during a week-long continuing education program at NYU College of Dentistry. (Photos/Fred Michmershuizen, Dental Tribune)

Dentists from around the world attend New York University College of Dentistry event

By Fred Michmershuizen, Online Editor

Approximately 500 dentists from 28 countries gathered at New York University College of Dentistry March 14 to 18 for International Implantology Week, a continuing education event offering experienced practitioners of dental implantology the opportunity to further their knowledge and expertise. The program was organized and hosted by Zimmer Dental and NYU College of Dentistry.

"It is an exciting time to be a dentist and an implantologist," said Dr. Hom-Lay Wang, who served as clinical chair for the week-long, interactive event. "Dental implantology stands poised on a threshold of rapid change and essential innovation, and

treatment modalities continue to evolve and upgrade. For us to ensure future success and the betterment of our patients, it is imperative to stay at the forefront of cutting-edge techniques and technologies through symposiums such as this one."

The specific topics, which were presented by some of the world's leading experts, included effective case management, esthetics, traditional implants vs. one-piece implants, sinus lift procedures and recent technological innovations including trabecular metal and vertical bone techniques and procedures — in short, all of the kinds of issues intended to keep participants on the forefront.



Dr. Hom-Lay Wang, clinical chair of International Implantology Week, welcomes attendees from around the world.

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Dr. Philippe Russe offered the keynote lecture on navigating narrow spaces in the esthetic zone. Other lecture highlights included Dr. Zeev Ormainer on the Tapered Screw-Vent Implant; Dr. Maurizio Tonetti on mucogingival tissue management in periodontal and implant therapy; Dr. Richard Kraut's presentation on vertical bone augmentation; and Wang's presentation on recent advances in sinus lift augmentation.

Also speaking were Dr. Joseph Massad on treatment options for the edentulous patient; Dr. Henry Salama on abutment protocol in implant therapy; Dr. Edgard El Chaar on advanced socket-preservation techniques and materials; Dr. Katya Archambault on advanced tissue grafting techniques; Dr. Paul Petrungaro on localized ridge augmentation with allogenic block grafts; and Dr. Markus Schlee on early clinical experience with a new porous material.

The audience for the event was composed primarily of practicing clinicians from around the world — those who already possessed established competencies in implantology but who were seeking to further their skills and expertise.

Of course, no advancements in the ability to treat patients would be possible without the best possible equipment. That's why, between lectures, meeting participants visited tables in the lobby displaying Zimmer Dental's various offerings, which cover the gamut from surgical products to regenerative materials to restorative tools.

According to Michael Collins, vice president of research, development and education for Zimmer Dental, the symposium offered participants an opportunity to experience new products and see where things are going. Even more importantly, he said, the week offered attendees the opportunity to stay on the cutting edge.

"If it weren't for International Implantology Week, it would be impossible to find this kind of education all in one place," Collins said.

Wang said that in addition to offering an unparalleled learning opportunity, the event also offered attendees the chance to expand their horizons by making global contacts.

Attendees were able to bond with each other during breaks for meals, and during the welcome reception and opening dinner at the Sheraton Ballroom.

The week concluded with a closing dinner at Brasserie 8 ½ in Midtown Manhattan. IT



Between sessions at International Implantology Week, meeting attendees were able to view exhibits of products available from Zimmer Dental.



Dr. Philippe Russe presents his keynote lecture on navigating narrow spaces in the esthetic zone.



Meeting attendees network with colleagues between lectures.

IMPLANT TRIBUNE

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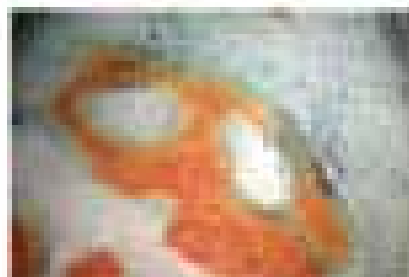
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Clinical Histology: 3 Months

Area of study found bone tissue with trabeculae being the bone.

- Embedded - blue
- Soft tissue - red/pink



Void bone resorption can be seen due to the particles of NuOss.

- New Void Bone - red
- NuOss - tan



*View Manual, 201, 42, Page 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



Dr. Egon Euwe leads gIDE Implant Master Program students during a hands-on soft-tissue grafting workshop in Athens, Greece. (Photo/Provided by gIDE)

gIDE implant students halfway to graduation

The Global Institute for Dental Education's (gIDE's) one-year master clinician program in implant dentistry just wrapped up its second session in Athens, Greece, where students spent four days learning all aspects of soft-tissue management and grafting before, during and after implant placement. Leading the lectures and

hands-on workshops was gIDE's faculty, Dr. Egon Euwe and Dr. Stavros Pelekanos.

Day one of the session covered topics ranging from periodontal considerations to minimally invasive soft-tissue techniques.

Euwe demonstrated optimal implant placement during the live surgery on day two. The students got their feet wet on day three with a hands-on workshop in upper porcine models highlighting different soft-tissue management and grafting procedures.

The session came to a close on day four with Pelekanos conducting the final workshop on framework fit.

As a program requirement, the students each presented a case out of their practice on an implant treatment plan for the posterior zone with minimum of one implant placement.

At gIDE's next session, the third, students will present an additional case on a treatment plan for the anterior zone with minimum of one implant placement and moderate bone and/or soft-tissue grafting.

This master program in Greece is just one of six programs gIDE conducts each year in implant dentistry. Another session two began the first week of March in Tokyo, Japan, led by LLU Professor in Restorative and Implant Dentistry Dr. Joseph Kan, Dr. Y Matsushita and Dr. Sascha Jovanovic via live broadcast, and the following week in Beijing, China, with Professor Paul Lin and Dr. Keng Mun Wong. At the end of March more second sessions occurred in both Australia with Euwe and Dr. Glen Liddelow, and North America with Jovanovic and Dr. Harel Simon.

All six programs will come together in September for a final week at UCLA in California. Students will receive a gIDE Master Program Certificate and a UCLA Certificate in Implant Dentistry for all their hard work.

gIDE was founded in 2005 as a private dental institute blending online digital education with hands-on learning. Its founders, world-renowned implant dentist, Jovanovic and colleagues, are dedicated to the advancement of clinicians and the health-care of their patients worldwide. It is the No. 1 academically ranked online dental education institute with an elite group of 102 faculty members published in more than 2,000 peer-reviewed journals. gIDE is a certified provider of ADA CERP continuing education credits.

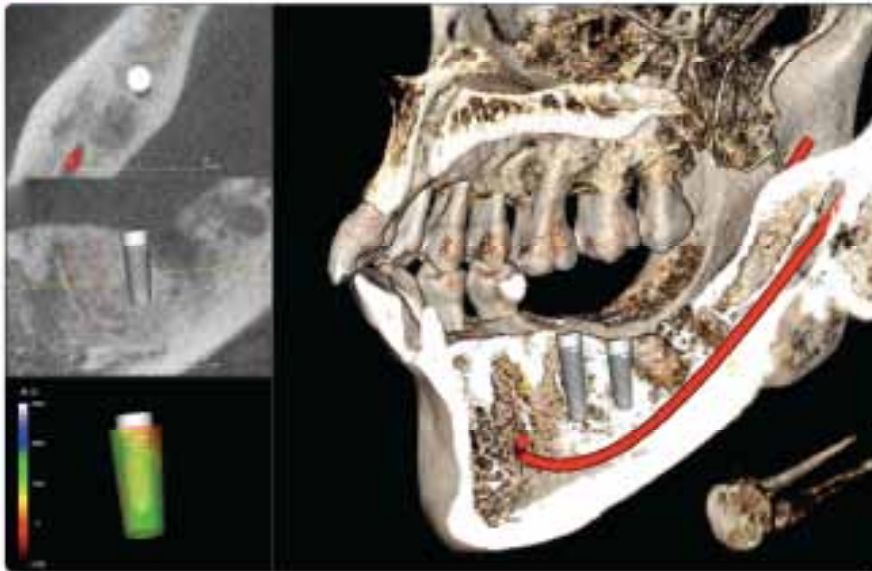
For more information regarding gIDE's one-year master clinician programs, visit www.gidedental.com or call (310) 696-9025. ■

AD

Implant Planning in 20 Seconds

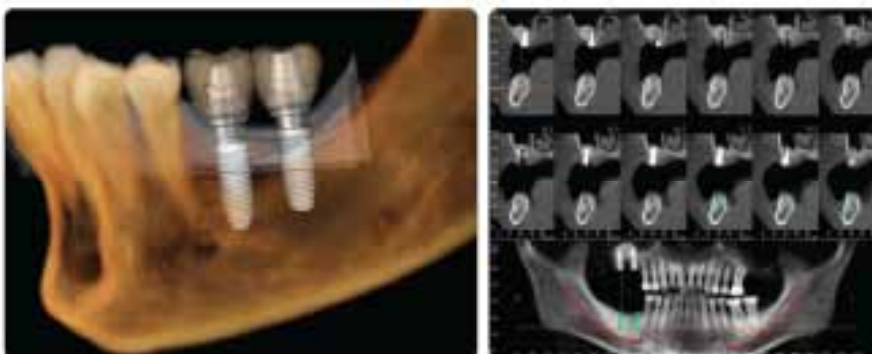
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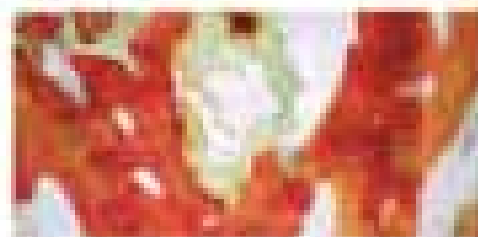
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Henry Schein Dental, ACE Surgical launch miniMARK miniature dental implant system

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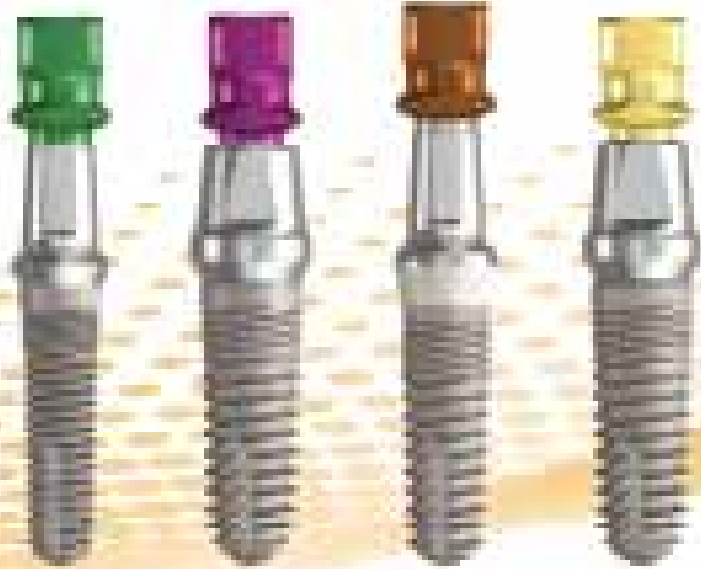
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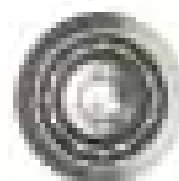
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Maxilla	165	185	130	195	2050	2070	2080	2090	2100	2110	2120	2130	2140
Mandible	105	125	105	115	125	135	145	155	165	175	185	195	205