



Nobel Biocare Symposium
Las Vegas, September 17–20, 2015
Preliminary program



You're invited...

Dear Dental Professional,

It is with great pleasure that I cordially invite you to join us at the Nobel Biocare Symposium 2015 in fabulous Las Vegas! In addition to the Symposium, we are holding our inaugural 1st International Zygoma Summit, which will explore the extraordinary patient benefits of this unique therapy.

We have assembled a world-class faculty of speakers across all facets of dentistry who—through a myriad of hands-on training programs, exciting scientific session presentations, and interactive formats—will provide insight and training on how to address patient needs and desires. There is a unique and robust track for our dental laboratory professionals, which will explore how leveraging digital technologies will make laboratories more profitable and competitive in today's environment. The clinical track will focus on innovative treatment modalities, proven business concepts, and patient-centered themes from a private practice perspective designed to grow your business. Additionally, there will be unique education opportunities for the entire dental team with a focus on maximizing case acceptance, critical implant hygiene concepts as well as other pertinent topics the whole practice should be aware of to maintain a competitive advantage and grow as a team.

This extraordinary program will be held in a luxurious setting at Four Seasons Hotel on the Las Vegas Strip, which is at the heart of the vibrant desert oasis with all the fun and excitement that Vegas has to offer. On the last evening, you are invited to a lively social event where you can relax and network with your colleagues on the topics of the scientific program. This program is designed to be innovative and fun while fulfilling our customer promise and our shared ambition to treat more patients better. We look forward to seeing you there in September.



Best regards,

A handwritten signature in blue ink that reads "Tom Olsen".

Thomas M. Olsen
President and General Manager Nobel Biocare
North America

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Schedule at a glance

Master Classes

Thursday, September 17, 2015

Full-day sessions			
Time	Speaker	Presentation	Tuition
8:00 a.m. –5:00 p.m.	Dr. Paul Homoly	Making it easy for patients to say “ Yes” – an extraordinary treatment acceptance workshop	\$125 US – Clinicians \$45 US – OfEce staff
8:00 a.m. –5:00 p.m.	Dr. Spiro Karras Dr. Kerry Voit	The All-on-4@treatment concept from A to Z – proven methods for long-term success	\$495 US
2-hour morning session			
Time	Speaker	Presentation	Tuition
8:00 a.m. –10:00 a.m.	Mr. Ian McNickle	Double your new patient growth – online marketing best practices for the dental professional	\$95 US
Half-day sessions			
Time	Speaker	Presentation	Tuition
8:00 a.m. –12:00 p.m.	Dr. Sundeep Rawal	Digitally driven implant dentistry – utilizing advancements in science and technology as a roadmap through therapy	\$295 US
1:00 p.m. –5:00 p.m.	Dr. Sanda Moldovan	Minimally invasive techniques for soft- and hard-tissue management	\$295 US
1:00 p.m. –5:00 p.m.	Dr. Gabor Tepper	Explode your implant numbers with high-end immediate implantation	\$295 US

■ Master Class – full-day
 ■ Master Class – 2-hour
 ■ Master Class – half-day
 ■ Symposium – main podium
 ■ Symposium – digital track for dental technicians
 ■ 1st International Zygoma Summit

We reserve the right to change speakers, times, and content without notice. For the latest updates please visit www.nobelbiocare.com/usa2015

Schedule at a glance

Nobel Biocare Symposium

Friday, September 18, 2015

Main podium sessions	
Speaker	Presentation
Mr. Tom Olsen	Opening remarks
Dr. Michael Pikos	Guided full-arch immediate implant reconstruction
Dr. Steven Guttenberg	Synergy for improved patient care with digital 3D imaging and endosseous dental implants
Morning break	
Dr. Sundeep Rawal	Dentistry through innovation – utilizing CAD/CAM technology to achieve restorative excellence
Dr. Oded Bahat	The fourth dimension – influencing three-dimensional planning and surgical reconstruction with implant restoration
Lunch	
Dr. Paul Homoly	Case acceptance – getting to “Yes”
Dr. Gabor Tepper	Immediate implantation – complex concepts and complication management
Afternoon break	
Dr. Thomas Balshi Mr. Stephen Balshi	Accelerating productivity and proStability with Immediate Function for complete arch rehabilitation
Dr. Ken Parrish Mr. Joe Coursey	Systematic planning to minimize All-on-4® treatment concept complications
Mr. Ian McNickle	Dental implant marketing – best practices, common mistakes, and competitive lessons learned
All speakers	Q & A panel discussion

Friday, September 18, 2015

Digital track for dental technicians*

Speaker	Presentation
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Main podium sessions

Morning break

Main podium sessions

Lunch

Dr. Ken Parrish Mr. Joe Coursey	Help your surgeon help you
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Mr. Conrad Rensburg	Step by step from marketing to fabricating with ASC and FCZ
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Afternoon break

Mr. Stephen Balshi Dr. Thomas Balshi Mr. Tad Thompson	Advanced laboratory protocols for the immediate-loading treatment of edentulous patients
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* Limited-attendance session; registration on a first-come, first-served basis.

Schedule at a glance

Nobel Biocare Symposium

Saturday, September 19, 2015

Main podium sessions	
Speaker	Presentation
Dr. Michael Cohen Dr. Scott MacLean	All-on-4@treatment concept or not – an intriguing treatment dilemma
Morning break	
Dr. Jay Malmquist	The Foundation for Oral Rehabilitation – the next generation of collaboration in therapy
Dr. Markus Blatz	Zirconia – what we know now: The impact of handling and manufacturing on clinical outcomes
Dr. Russell Baer	The new, the old, and the never-heard-of – options and decisions in implant prosthetics
Lunch	
Dr. Chandur Wadhvani	Restorative-driven implant health – what you need to know: healing abutment to Enal restoration
Dr. Scott MacLean	ASC (angulated screw channels) – what you need to know to get started
Dr. Sanda Moldovan	Peri-implant maintenance of the full-arch prosthesis
Afternoon break	
Dr. Andrew Bock Mr. Thomas Wade	Treatment planning the edentulous arch in the 3D digital planning era – engineering for success
Mr. Conrad Rensburg	Lab technicians – the “dinosaur” in today’s restorative team?
Dr. Sascha Jovanovic	Soft- and hard-tissue management around anterior implants
All speakers	Q & A panel discussion
Social event	

Saturday, September 19, 2015

Digital track for dental technicians*

Speaker Presentation

Main podium session

Morning break

Dr. Sundeep Rawal The leading role of the dental laboratory technician – utilizing technology to facilitate optimal clinical care

Lunch

Mr. Darren Lemke Business planning secrets for dental laboratory owners

Afternoon break

Dr. Andrew Bock Treatment planning in the 3D digital era – engineering for success
Mr. Thomas Wade
Mr. Jeff Kesting

Social event

* Limited-attendance session; registration on a first-come, first-served basis.

Master Classes

Thursday, September 17, 2015

■ Making it easy for patients to say “Yes” – an extraordinary treatment acceptance workshop

Speaker: Dr. Paul Homoly

Thursday
8:00 a.m. – 5:00 p.m.

Overview

Dr. Paul Homoly has taught thousands of dentists and their teams the skills to make case acceptance predictably successful. This one-day workshop is designed for the clinician and team members who want to enjoy improved case acceptance for advanced cosmetic, implant, and restorative dentistry. Many dentists have the technical knowledge to provide advanced dentistry, but are frustrated with low patient acceptance of their treatment recommendations. With the many technical advances in the clinical aspects of care, treatment plans are growing more complex, making case acceptance even more

challenging than in years past. Now, more than ever, the dentist and team need a predictable process for leading their patients towards good dental healthcare decisions.

Learning outcomes

1. Understand the distinctions between simple- and complex-care patients.
2. Identify whether your patient is ready for advanced care.
3. Critically evaluate the role of leadership during the case acceptance process.
4. Discover ways to reduce the stress of case acceptance.



■ The All-on-4® treatment concept from A to Z – proven methods for long-term success

Speakers: Dr. Spiro Karras and Dr. Kerry Voit

Thursday
8:00 a.m. – 5:00 p.m.

Overview

Drs. Karras and Voit will share their collaborative experience in treating hundreds of patients, both in a dental implant center and in private practice. You will learn useful, easily implemented methods of patient selection, planning, and treatment delivery that will give you the confidence to incorporate this revolutionary treatment into your practice. Experienced practitioners will learn practical methods to enhance long-term outcomes and make treatment stress-free and predictable. A unique, clinically relevant, hands-on experience using articulator-mounted models will augment and reinforce the lecture material.

Learning outcomes

1. Quickly identify potential patients.
2. Develop your own surgical-prosthetic blueprint— a road map for predictable treatment and results.
3. Deliver predictable, time-saving, stress-free surgical and prosthetic treatment with the efficiency of a dental implant center.



Master Classes

Thursday, September 17, 2015

Double your new patient growth – online marketing best practices for the dental professional

Speaker: Mr. Ian McNickle

Thursday
8:00 a.m. – 10:00 a.m.

Overview

You will learn some of the most powerful and misunderstood aspects of online marketing that can significantly grow your new patient base. What is website conversion and how does it affect your new patient growth? How does SEO (search engine optimization) really work? What should you do about those negative online reviews? These topics will be reviewed in detail so that you will gain a deeper understanding of these critical elements of online marketing in order to drive a more profitable practice.

Learning outcomes

1. Learn what you need to do to rank highly on Google® (SEO best practices).
2. Understand how to better optimize your website for new patient generation.
3. Know how to deal with negative online reviews and how to get more positive reviews.

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Digitally driven implant dentistry – utilizing advancements in science and technology as a roadmap through therapy

Speaker: Dr. Sundeep Rawal

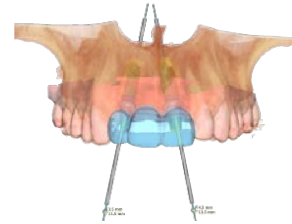
Thursday
8:00 a.m. – 12:00 p.m.

Overview

NobelClinician® in conjunction with NobelProcera® allows for use of newer technologies to make treatment protocols more efficient, less time-consuming, and predictable for increased proactive profitability. From diagnosis to surgery, this exciting software guides the clinician to the highest levels of execution in all clinical applications from the single-tooth solution to complex full-arch therapies. A detailed step-by-step approach to utilizing these CAD/CAM technologies will be presented along with a hands-on component, which will demonstrate the advantages that technology can provide in daily implant dentistry.

Learning outcomes

1. Recognize the importance of thorough diagnosis and treatment planning through the virtual world of CBCT data and understand guidelines for proper implant placement with the end prosthetic result in mind for optimal patient outcomes.
2. Understand radiographic guide and scanning protocols for all clinical situations and how this technology integrates into daily clinical dentistry easily and efficiently.
3. Facilitate use of NobelClinician® Software among referrals to increase patient communication, treatment acceptance, and execution of planned therapies with the highest level of precision possible.



Thursday, September 17, 2015

Minimally invasive techniques for soft- and hard-tissue management

Speaker: Dr. Sanda Moldovan

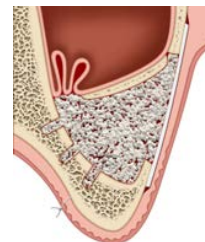
Thursday
1:00 p.m. – 5:00 p.m.

Overview

This interactive hands-on workshop, utilizing a sheep head specimen, is designed to simplify dental implant procedures and to make it more comfortable for the patient while also ensuring a long-term solid foundation. This presentation will discuss options for treating mild to moderate bone deficiency in the posterior maxilla due to sinus pneumatization and for using the osteotome technique with immediate implant placement. Soft tissue deficiency around dental implants using tunneling technique will be addressed, as well as double-folded flap at uncover.

Learning outcomes

1. Explore minimally invasive sinus lift procedures using the osteotome technique.
2. Understand soft-tissue augmentation to thicken the peri-implant gingiva using tunneling technique for optimal long-term results.
3. Determine when to use punch technique for implant placement and how to choose the correct healing abutment profile for the ideal restorative profile.
4. Learn uncover techniques to thicken peri-implant gingiva.



Explode your implant numbers with high-end immediate implantation

Speaker: Dr. Gabor Tepper

Thursday
1:00 p.m. – 5:00 p.m.

Overview

This presentation will open your eyes to the great opportunities offered by immediate implant placement and enhance the spectrum of your practice and your implant numbers. It will lead to both new referrals by GPs and a better reputation that will attract more high-value cases. You are given a complete overview starting from single-tooth cases with immediate loading to complex full-mouth cases. Special emphasis will be put on complications and their management. A short hands-on session will conclude the program to demonstrate the need for adaptation of the drill protocol in very soft bone and extremely hard bone.

Learning outcomes

1. See the complex case—fast decision-making on treatment concepts.
2. Sell the complex case—how to explain your concept to the patient and make it happen.
3. Survive the complex case—how to avoid or solve complications for safer patient treatment.



Nobel Biocare Symposium

Friday, September 18, 2015

■ Guided full-arch immediate implant reconstruction



Speaker: Dr. Michael Pikos

Friday
Main podium session

Overview

This clinically based presentation will focus on the integration of restorative, surgical, and laboratory disciplines, combined with CBCT technology, to provide a seamless approach for a totally guided full-arch and full-mouth immediate-implant reconstruction. This protocol includes placement of a prefabricated provisional prosthesis for both edentulous and dentate arches. Clinical cases will be presented that will feature indications and protocols for this approach, as well as advantages over conventional conversion denture techniques.

Learning outcomes

1. Understand the indications and protocol for computer-guided full-arch and full-mouth immediate placement with a prefabricated provisional prosthesis.
2. Compare the advantages of this protocol over other full-arch and full-mouth implant reconstruction techniques.
3. Understand the limitations of a totally guided surgical and prosthetic protocol.



■ Synergy for improved patient care with digital 3D imaging and endosseous dental implants



Speaker: Dr. Steven Guttenberg

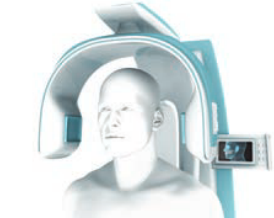
Friday
Main podium session

Overview

This presentation will demonstrate the value and necessity of evaluating an alveolar ridge using cone beam CT technology prior to placing a dental implant.

Learning outcomes

1. Understand the shortcomings of ridge evaluation using plain (2D) technology.
2. Know the reasons why CBCT is necessary for modern implant dentistry.
3. Learn the pros and cons of surgical templates.



Friday, September 18, 2015

■ **Dentistry through innovation – utilizing CAD/CAM technology to achieve restorative excellence**

Speaker: Dr. Sundeep Rawal

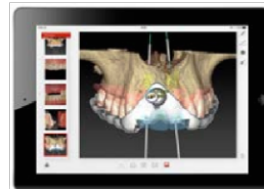
Friday
Main podium session

Overview

From treatment planning to design of definitive restorations, computers are changing the processes used to treat patients. This use of CAD/CAM in daily implant dentistry is making execution of therapy easier, more predictable, and increasingly profitable for the entire team. With this utilization of technology the clinician can enhance communication through the virtual world, recognizing that the prosthetic goals involve a team-planning approach. These innovations can then be carried through the entire therapy, which allows the surgeon, restorative clinician, and laboratory to deliver restorative excellence to the patient at the highest levels.

Learning outcomes

1. Gain guidelines for proper patient selection, treatment planning, indications/contraindications, and diagnosis with the end prosthetic goals as a blueprint for therapy.
2. Highlight how these technologies create interdisciplinary treatment that is efficient to incorporate into daily clinical practice.
3. Understand how simplification of overall restorative protocols can lead to increased profitability and patient acceptance.



■ **The fourth dimension – influencing 3-dimensional planning and surgical reconstruction with implant restoration**

Speaker: Dr. Oded Bahat

Friday
Main podium session

Overview

As long-term follow-up of adults treated with implants accumulates, the sometimes profound effects of normal dynamic changes occurring in the bones and soft tissues of the face throughout life are now being recognized. Some of the changes are similar for the two sexes, and some are not. Facial changes have been demonstrated in all age groups, although the exact age of onset—along with the magnitude and vectors of the changes—are variable and not predictable. Such three-dimensional changes in the position of teeth and associated hard and soft tissue relative to the static position of implants and associated restoration over the course of time can introduce both esthetic and functional compromises.

Planning implant placement that considers and anticipates the dynamics of facial growth and aging throughout life can be of future benefit to the patient.

Learning outcomes

1. Identify the potential vectors in both men and women, should clinically significant adult onset craniofacial changes occur.
2. Explore the restorative and surgical planning possibilities to minimize or forestall the impact of such changes.
3. For patients already treated, review maintenance evaluation and potential corrective actions if they become necessary.



Nobel Biocare Symposium

Friday, September 18, 2015

■ Case acceptance – getting to “Yes”

Speaker: Dr. Paul Homoly

Friday
Main podium session

Overview

This presentation teaches the skills to make case acceptance from single tooth to complex care dentistry predictably successful. It's specifically designed for you if you have a broad-base general practice and are also growing the complex-care aspect of your practice—cosmetic, implant, CAD/CAM, 3D imaging/airway, and rehabilitative dentistry.

Learning outcomes

1. Simple- vs. complex-care patients—the important distinctions in patient behavior you must understand to influence them.
2. The Four Chiefs™—the four essential conversations of case acceptance.
3. The Discovery Guide™—the most influential way to discuss your treatment recommendations.
4. The Case Presentation Organizer™—how to prepare your case presentation in half the time with twice the results.

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■ Immediate implantation – complex concepts and complication management

Speaker: Dr. Gabor Tepper

Friday
Main podium session

Overview

You will understand how to manage those cases that start with extremely compromised situations such as infections, long-term neglect, or very limited residual alveolar bone—and still apply the concept of immediate implantation/Immediate Function.

Learning outcomes

1. Learn how complications can be prevented and managed.
2. Manage those cases that start with extremely compromised situations.
3. Apply the concept of immediate implantation/Immediate Function.



Friday, September 18, 2015

■ Accelerating productivity and profitability with Immediate Function for complete arch rehabilitation

Speakers: Dr. Thomas Balshi and Mr. Stephen Balshi

Friday
Main podium session

Overview

This lecture will highlight the productivity and time-saving protocols used for full-arch implant prosthesis construction. Advanced clinical developments like the positioning handle and occlusal locks systematically improve inter-arch relationships when connecting the fully milled monolithic conversion prosthesis in the immediate loading protocol. The presentation will discuss the selection of appropriate abutments to ideally position screw access openings in both the conversion prosthesis and definitive prosthesis. Using the conversion prosthesis, a highly accurate master cast can be produced and relevant 3D data transferred to the dental laboratory. The above procedures will be shown to be relevant for the All-on-4 treatment concept together with precision milled NobelProcera implant frameworks.

Learning outcomes

1. Understand and appreciate the value of NobelClinician® 3D planning for complete arch implant prosthodontics.
2. Learn how to use the positioning handle and occlusal locks that are incorporated into the fully milled conversion prosthesis.
3. Understand and learn the most accurate impression process for full-arch implant prostheses. Understand how to communicate the 3-dimensional configuration of the prosthesis to the dental laboratory.
4. Understand the importance of using authentic NobelProcera patient-specific components for the final restoration.



■ Systematic planning to minimize All-on-4 treatment concept complications

Speakers: Dr. Ken Parrish and Mr. Joe Coursey

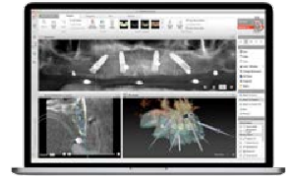
Friday
Main podium session

Overview

Complications may occur during the surgical, provisional restorative, or final restorative phases of the All-on-4 treatment concept. However, proper diagnosis and treatment planning will significantly decrease the risk of challenges for you and your patients. Each step of treatment from implant selection and placement, preparation of the provisional prosthesis, and fabrication and delivery of the final prosthesis can become cumulatively negative if improperly planned and delivered. A fundamental understanding of the desired outcome of each phase can minimize negative events.

Learning outcomes

1. Understand which patients should be disqualified from consideration for treatment with the All-on-4 treatment concept due to systemic or dental concerns.
2. Learn how Nobel Biocare's conical connection implants (NobelActive and NobelParallel™) can be utilized to decrease both surgical and prosthetic complications.
3. Understand how precision matters in the fit of the milled bar and in occlusal relationships and how your choice of restoration protects you.



Nobel Biocare Symposium

Friday, September 18, 2015

■ Dental implant marketing – best practices, common mistakes, and competitive lessons learned

Speaker: Mr. Ian McNickle

Friday
Main podium session

Overview

This presentation will review the most effective techniques and marketing strategies to grow your dental implant patient base, and will identify what works well, and what you should avoid entirely. The discussion will examine where marketing often fails, and how to fix these issues.

Learning outcomes

1. Learn how to adjust your marketing strategy to drive more dental implant patients to your practice.
2. Identify common practices that you should avoid altogether.
3. Apply solid tactics that are certain to increase the effectiveness of your marketing and the profitability of your practice.



Nobel Biocare Symposium – digital track for dental technicians

Friday, September 18, 2015

■ Help your surgeon help you

Speakers: Dr. Ken Parrish and Mr. Joe Coursey

Overview

Dental implant surgery is best defined as pre-prosthetic surgery. The key to a successful outcome is team-based diagnosis and treatment planning that involves the restoring dentist, laboratory, and surgeon. The best plans can break down when information is not delivered to the surgeon in a way that allows him or her to transfer it to the patient's mouth during surgery. The purpose of this presentation is to outline the surgical planning and then review what techniques can be used to aid the surgeon in transferring that information to a surgical protocol.

Learning outcomes

1. Understand the laboratory's role in the All-on-4® treatment concept surgical implant planning.
2. Learn what simple and specific guides may be fabricated to allow the surgeon to relate the plan to the patient during surgery.
3. Discover how to design and deliver the provisional restoration to improve conditions for the definitive.

Friday
Digital track for dental technicians



■ Step by step from marketing to fabricating with ASC and FCZ

Speaker: Mr. Conrad Rensburg

Overview

Expand your business while creating function and esthetics with solutions using the NobelProcera® ASC (angulated screw channel) Abutment and FCZ (full-contour zirconia) Implant Crown. In today's ever-changing market, identifying, offering, and prompting new technologies has become a daunting feat. Once a technology is identified, the lab is still faced with fabricating these prosthetics in a profitable manner. This lecture will attempt to answer all your questions regarding the newest innovations from NobelProcera® and how they can accelerate your laboratory's business.

Learning outcomes

1. Utilize NobelProcera® ASC and FCZ technologies to market your company.
2. Learn how to create implant restorations using NobelProcera® ASC and FCZ solutions.
3. Identify delivery pitfalls and procedures; assist your customers with a flawless delivery.

Friday
Digital track for dental technicians



Nobel Biocare Symposium – digital track for dental technicians

Friday, September 18, 2015

■ Advanced laboratory protocols for the immediate-loading treatment of edentulous patients

Speakers: Mr. Stephen Balshi, Dr. Thomas Balshi, and Mr. Tad Thompson

Friday
Digital track for dental technicians

Overview

This presentation will demonstrate the time-saving protocols used for full-arch implant prosthesis construction that will help increase productivity for the dental laboratory. This program will review the appropriate abutment choices that ideally position screw access openings in the conversion prosthesis. By utilizing this conversion process, participants will observe how a highly accurate master cast can be produced by the technician as the relevant 3D data is transferred immediately to the dental laboratory. The above procedures will be demonstrated as we review the All-on-4® treatment concept, and the All-on-4® treatment concept combined with the laboratory benefits of utilizing precision milled NobelProcera® implant frameworks. This program will then demonstrate how to efficiently design advanced frameworks through a hands-on exercise.

Learning outcomes

1. Critically evaluate the technician's role and input on NobelClinician® 3D planning, and the engineering process of the surgical template for complete arch implant prosthodontics to assist with pre-op surgical planning.
2. Confidently apply accurate impression process techniques for full-arch implant prosthesis while assessing three-dimensional configuration communication.
3. Select framework for the final restoration utilizing the latest in advanced NobelProcera® technology.
4. Understand the efficiency and power of the NobelProcera® Software design functionality with respect to full-arch NobelProcera® frameworks.



Nobel Biocare Symposium

Saturday, September 19, 2015

All-on-4® treatment concept or not – an intriguing treatment dilemma

Speakers: Dr. Michael Cohen and Dr. Scott MacLean

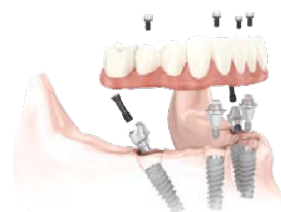
Saturday
Main podium session

Overview

In this treatment planning session, your abilities to choose the most predictable pathway for long-term success in a very challenging case involving multiple failing fixed restorations will be tested. Two expert teams will “face off” and defend distinct and very different treatment options. They will present the rationale for their selected treatment plans, one utilizing the All-on-4® treatment concept bridge strategy and the other utilizing an axially loaded implant bridge approach. The audience will be given time to gather their thoughts on treatment, followed by team presentations. Dr. MacLean, the treating clinician, will present initial documentation, his case planning steps, and a review of the treatment rendered.

Learning outcomes

1. Understand the principle to evaluate patients based on bone reduction, smile lines, number of implants, opposing arch issues, parafunctional forces, etc., to treat a patient in two appropriate but different ways.
2. Better understand the guidelines in choosing staged implant placement vs. immediate guided options.
3. Learn how to treatment plan using NobelClinician® to evaluate potential options and creation of guided predictable outcomes.



The Foundation for Oral Rehabilitation – the next generation of collaboration in therapy

Speaker: Dr. Jay Malmquist

Saturday
Main podium session

Overview

This presentation will highlight the latest updates of the Foundation for Oral Rehabilitation. The newest additions to this vigorous platform of learning will be discussed; expert insights, checklists, treatment histories, and FOR events will be reviewed. The newest addition e-learning will be illustrated along with the latest news. Education, science, and humanitarian efforts are the cornerstones of this incredible foundation. Become a member and be part of this historic collaboration.

Learning outcomes

1. Understand the purpose and mission of the Foundation for Oral Rehabilitation.
2. Be able to translate the values of FOR to one's own education and career advancement.
3. Understand how FOR can help at all levels of patient care.



Nobel Biocare Symposium

Saturday, September 19, 2015

■ Zirconia – what we know now : The impact of handling and manufacturing on clinical outcomes

Speaker: Dr. Markus Blatz

Saturday
Main podium session

Overview

The incredible popularity of zirconia has led to a flood of zirconia manufacturers, brands, and material options—all promising improved esthetics and excellent physical properties. Unfortunately, there are great quality variations among the zirconia raw materials, brands, and milling blanks. Even more so, the various manufacturing parameters and production steps, such as milling, coloring, and sintering, have a significant influence on physical and optical properties and, ultimately, the clinical success of zirconia restorations. While many of these factors are unknown to clinicians and technicians, a better understanding of how manufacturing and clinical protocols influence zirconia properties and long-term success allows them to select a superior CAD/CAM system and treat their patients in the best possible manner.

Learning outcomes

1. Understand the fundamental properties and indications of zirconia.
2. Comprehend the digital workflow and how manufacturing influences final outcomes.
3. Learn about the latest research and clinical protocols for ultimate success with zirconia.



■ The new, the old, and the never-heard-of – options and decisions in implant prosthetics

Speaker: Dr. Russell Baer

Saturday
Main podium session

Overview

This presentation will look at all the prosthetic options used to restore dental implants and will examine what we do and don't do and what we know and don't know in regards to implant restoration. From single-tooth to larger multiple missing-tooth segments, the discussion will compare past techniques to present-day state-of-the-art techniques and look at the evidence we have and what we don't have. The discussion of these techniques will be from a clinical point of view backed by evidence and sound practice philosophy.

Learning outcomes

1. Understand prosthetic options using modern CAD/CAM techniques.
2. Examine what the evidence on prosthetic options suggests compared to how we practice.
3. Suggest alternative prosthetic plans for our patients.



Saturday, September 19, 2015

■ Restorative-driven implant health – what you need to know :
 Healing abutment to Final restoration

Speaker: Dr. Chandur Wadhvani

Saturday
 Main podium session

Overview

The success of the dental implant is intimately related to how the soft tissues respond prior to, during, and after restoration. The restoring clinician is involved with all these aspects and must fully understand the consequences of his or her choices and actions. Soft-tissue healing is promoted by the healing abutment; correctly dealing with this will enhance the end result. Likewise poor decisions can compromise tissue healing. Choice of abutment material, restoration type, and understanding follow-up protocols are all essential requirements that the advanced restorative dentist must understand.

Learning outcomes

1. Understand why the clinical selection of the healing abutment is so important for optimal healing.
2. Learn how abutment material and design can adversely impact health.
3. Identify why the screw-retained restoration is advantageous for soft-tissue health; cement-free implant dentistry.



■ ASC (angulated screw channels) – what you need to know to get started

Speaker: Dr. Scott MacLean

Saturday
 Main podium session

Overview

You will see how this technology has become a game changer in most implant of Eces by allowing the channel of the abutment to tip up to 25 degrees while still maintaining a screw tightened to 35 Ncm. The new NobelProcera®ASC (angulated screw channel) Abutment has now made screw-retained crowns available on 99% of the single implants in all areas of the mouth.

Learning outcomes

1. Learn how ASC abutments give clinicians advantages in the anterior, canine, premolar, and molar implant regions.
2. Show the abutment's unique features and new screw technology that will make it an easy addition to your practice.
3. Revolutionize your approach to implant prosthetics with the ASC abutment—even if you are using cement options.



Nobel Biocare Symposium

Saturday, September 19, 2015

■ Peri-implant maintenance of the full-arch prosthesis

Speaker: Dr. Sanda Moldovan

Saturday
Main podium session

Overview

The biggest disappointment for patients and practitioners is failure of dental implants. One of the most overlooked parts of implant therapy is hygiene and a robust peri-implant maintenance program. Recognizing early signs of peri-mucositis and resolving the inflammation in its early stages is important for long-term success. A review of the current literature on this topic will be presented. How to implement a hygiene maintenance protocol in your office for the patient with a full-arch prosthesis will be discussed.

Learning outcomes

1. Discuss the use of lasers and ozone in decreasing peri-implant inflammation and how to recognize early signs of peri-implant problems at the maintenance appointment.
2. Present evidence-based maintenance tools and techniques for dental implant hygiene care.
3. Learn how to recognize ill-fitting tissue interface and modify the prosthesis when it's over-contoured, to allow for proper hygiene.



■ Treatment planning the edentulous arch in the 3D digital planning era – engineering for success

Speakers: Dr. Andrew Bock and Mr. Thomas Wade

Saturday
Main podium session

Overview

This presentation will examine the state-of-the-art approach to utilizing a CT scan in conjunction with a 3D digital planning software. Using these techniques, clinicians are able to achieve maximum prosthetic success by reverse engineering from the occlusal plane of properly positioned teeth, down to the bone, for very strategic placement of implants. Prosthetic concerns will be weighed against anatomical limitations and considerations to achieve a true harmony between the surgical and prosthetic aspects of full-arch restoration.

Learning outcomes

1. Learn how and why the "golden triangle" approach of collaboration between the implant surgeon, the restorative dentist, and the dental technician is key to overall success.
2. Understand how the three different disciplines can utilize the NobelConnect® cloud-based program to collaborate efficiently.
3. See how these technologies can make the process more efficient, enjoyable, and profitable for the entire dental team while concurrently achieving the best possible outcome for the patient.



Saturday, September 19, 2015

■ Lab technicians – the “dinosaur” in today’s restorative team?

Speaker: Mr. Conrad Rensburg

Saturday
Main podium session

Overview
In today’s CAD-driven world, the importance of a strong lab partner is often overlooked. CAD technology can only yield products as good as the team behind them. The presenter will discuss how his laboratory team best supports clinicians through the utilization of today’s technologies and how that has enabled them to be more successful.

Learning outcomes

1. Understand the importance of identifying and implementing the correct technologies and the value it brings to the restorative team.
2. Learn the significance of a lab partner in the restorative and surgical teams.
3. Understand CAD technology—a great tool to keep us relevant in a changing industry.



■ Soft- and hard-tissue management around anterior implants

Speaker: Dr. Sascha Jovanovic

Saturday
Main podium session

Overview
This presentation will demonstrate how you can achieve stable and long-lasting soft-tissue margins around implant restorations with the current knowledge and criteria in soft- and hard-tissue management. Understand where preservation and grafting is done from an evidence-based and clinical step-by-step fashion—especially as it relates to the rehabilitation of partially edentulous patients with thin biotypes and high esthetic demands. The position, spacing, and choice of implant materials with preservation of mucogingival tissues will be discussed, and the techniques to reconstruct the deficient implant site—like soft-tissue grafts, membrane technology, and growth factors—are presented with their indications and limitations.

Learning outcomes

1. Understand the criteria for optimal esthetic implant placement.
2. Be able to identify the proper tissue management and grafting protocol.
3. Design the ideal surgical guide and material, shape, and timing of abutment and prosthesis.



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Nobel Biocare Symposium – digital track for dental technicians

Saturday, September 19, 2015

■ The leading role of the dental laboratory technician – utilizing technology to facilitate optimal clinical care

Speaker: Dr. Sundeep Rawal

Saturday
Digital track for dental technicians

Overview

From treatment planning to design of definitive restorations, computers are changing the processes used to treat patients, and this is no more evident than in the dental laboratory. This use of CAD/CAM has revolutionized what occurs daily in the lab, making design and manufacturing easier, less time-consuming, and more profitable. With this utilization of technology the technician can enhance communication through the virtual world, becoming an invaluable resource in the team-oriented approach to prosthetically driven therapy. These innovations have allowed technicians to embrace a new role that facilitates the surgeon and restorative clinician in delivering restorative excellence to the patient at the highest levels.

Learning outcomes

1. Gain guidelines for proper case selection, treatment planning, and indications/contraindications to aid in diagnosis with the end prosthetic goals as a blueprint for therapy, and communicate this as a leader within the overall team.
2. Highlight how these technologies create inter-disciplinary treatment directed through the dental lab in efficient daily practice.
3. Understand how simplification of overall restorative protocols can lead to increased profitability and create value that can drive growth in the dental laboratory.



■ Business planning secrets for dental laboratory owners

Speaker: Mr. Darren Lemke

Saturday
Digital track for dental technicians

Overview

Success means something different to every lab and lab owner; there is not a one-fits-all solution. Success in the dental lab industry today requires thorough planning and execution. The results of a well thought-out plan will give you metrics to measure your accomplishments and help you to navigate with confidence to your destination of reaching your financial and personal goals. Learn proven insider secrets in the dental lab industry with real cases and why planning is essential to success in business and life.

Learning outcomes

1. Understand the story your income statement tells you.
2. Review a checklist to get your financial house in order (handout).
3. Learn how to reduce your reliance on credit in the business by maximizing your cash flow.



■ Treatment planning in the 3D digital era – engineering for success

Speakers: Dr. Andrew Bock, Mr. Thomas Wade, and Mr. Jeff Kesting

Saturday
Digital track for dental technicians

Overview

Achieve predictable results in less time for better patient outcomes through NobelClinician®3D digital treatment planning technology that will differentiate your laboratory. Learn how to link everything from patient diagnosis to implant planning, placement, and restoration design with NobelProcera®. Understand digital treatment planning as part of a larger digital workflow for increased efficiency. Additionally learn about strategies to improve treatment team collaboration, and how to deploy more effective treatment techniques to better help prepare cases for your doctors and their patients.

Learning outcomes

1. Learn how and why the “golden triangle” approach of collaboration between the implant surgeon, the restorative dentist, and the laboratory technician is key to overall success.
2. See how these technologies can make the process more efficient, enjoyable, and profitable for the entire dental team while concurrently achieving the best possible outcome for the patient.
3. Deliver the exact functional and esthetic outcome planned through faster, more efficient digital treatment planning with a hands-on exercise.
4. Reduce the possibility of adverse patient outcomes and mitigate risk through CAD surgical templates for precise implant placement vs. traditional freehand surgical techniques.



1st International Zygoma Summit

Sunday, September 20, 2015



Graftless implant solution for the resorbed maxilla

The Brånemark System®Zygoma is the only implant solution on the market for the severely resorbed maxilla when bone grafting is not an option.

Schedule at a glance

Sunday, September 20, 2015

1st International Zygoma Summit		
Speaker		Presentation
Mr. Tom Olsen		Welcome
Dr. Edmond Bedrossian		Biomechanical principles of the zygoma concept
Dr. Carlos Aparicio		Surgical considerations: The zygoma anatomy-guided approach (ZAGA) and the zygomatic success code (ZSC)
Dr. Hooman Zarrinkelk Dr. Sajid Jivraj		The West Coast experience: Leave no patient untreated – practical applications of zygomatic implants in treatment of edentulous patients
Dr. Jay Neugarten Dr. Frank Tuminelli		The East Coast experience: The zygomatic solution – should it be the first choice?
Morning break		
Dr. Thomas Balshi Mr. Stephen Balshi		Prosthetically driven zygomatic implant treatment – what works and what doesn't
Dr. Yvan Fortin		Replacing what the patient is missing – nothing less, nothing more
Lunch		
Dr. Edmond Bedrossian		Management of complications of the zygoma concept
Dr. Ruben Davó		The zygoma quad concept
Dr. Paulo Malo		Variation in the use of the zygoma implant in treatment planning for the edentulous maxilla
Afternoon break		
Prosthetic hands-on	Dr. Thomas Balshi Dr. Yvan Fortin Dr. Sajid Jivraj Dr. Frank Tuminelli	Zygoma concept – prosthetic hands-on session
Surgical hands-on	Dr. Edmond Bedrossian Dr. Carlos Aparicio Dr. Ruben Davó Dr. Jay Neugarten Dr. Hooman Zarrinkelk	Zygoma concept – surgical hands-on session

1st International Zygoma Summit

Sunday, September 20, 2015

■ Biomechanical principles of the zygoma concept

Speaker: Dr. Edmond Bedrossian

Sunday
1st International Zygoma Summit

Overview

This presentation will set the stage for the existing scientific literature available for the treatment of the edentulous patient with the ad modum Brånemark zygoma technique. The biomechanical considerations as outlined by Skalak, Rangert, and Brunski will also be reviewed, shedding light on the clinical relevance of their recommendations. A systematic treatment planning protocol will also be presented for a consistent predictable outcome.

Learning outcomes

1. Review the biomechanical behavior of the zygomatic implant.
2. Discuss the scientific literature and outcome for the use of the zygomatic implant, 1997–2015.
3. Understand treatment planning and the indications for using the zygoma concept.



■ Surgical considerations: The zygoma anatomy-guided approach (ZAGA) and the zygomatic success code (ZSC)

Speaker: Dr. Carlos Aparicio

Sunday
1st International Zygoma Summit

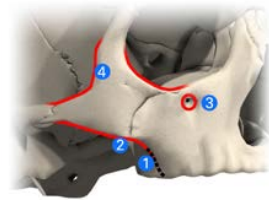
Overview

Rehabilitation using zygomatic implants, especially if those implants are located extramaxillary, is relatively new and different from regular implant treatment. They differ in biomechanics, clinical treatment procedures, outcomes, and eventual complications. Currently, the way the results and complications of zygomatic implants are reported in the literature is inconsistent and lacks a standardized systematic approach. Specific criteria for success/survival for zygomatic implants, different from the ones applied to rehabilitation with regular implants, are necessary. This lecture will describe the original surgical protocol (OSP) and illustrate its long-term results; depict a new technique named the zygoma anatomy-guided approach (ZAGA) aiming to overcome the original protocol drawbacks; portray the ZAGA results; compare the outcomes of the

two techniques (OSP/ZAGA); and propose the zygomatic success code (ZSC) as specific success criteria for zygomatic implants, including a standardized way to report on rhinosinusial pathology associated to zygomatic implants.

Learning outcomes

1. Have a thorough knowledge to recognize different maxillary anatomies, mandatory to customize the zygomatic implant path according to ZAGA principles.
2. Have adequate knowledge of how to avoid and eventually treat complications related to zygomatic implants.
3. Have a thorough knowledge of the ZSC as a useful tool to read scientific literature related to zygomatic implant-based oral rehabilitation.



1st International Zygo ma Summit

Sunday, September 20, 2015

■ The West Coast experience: Leave no patient untreated – practical applications of zygomatic implants in treatment of edentulous patients

Speakers: Dr. Sajid Jivraj and Dr. Hooman Zarrinkelk

Sunday
1st International Zygo ma Summit

Overview

Eliminate bone grafting procedures from your conversation with patients and notice that more will accept treatment. Majority of the edentulous patients as well as those with terminal dentition present to the surgeon's office with significant atrophy of the jaws. Zygomatic implants provide posterior support to the full-arch prosthesis without need for any bone grafting. This allows for patients with even severe atrophy to be treated with an

immediate-load full-arch appliance. The speakers will present their practical and simplified approach to treatment of atrophic maxilla with use of zygomatic implants.

Learning outcomes

1. Treatment planning and the indications for using the zygo ma concept.
2. Surgical techniques and immediate loading protocol.
3. Fabrications of the final fixed implant-supported prosthesis using the Brånemark System® Zygo ma implant.



■ The East Coast experience: The zygomatic solution – should it be the first choice?

Speakers: Dr. Jay Neugarten and Dr. Frank Tuminelli

Sunday
1st International Zygo ma Summit

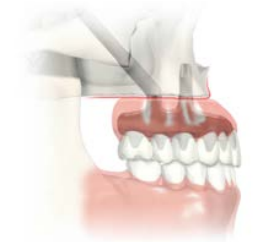
Overview

The atrophic maxilla presents a significant challenge to the surgical and restorative team. Patients seek a long-term solution in the restoration of function, esthetics, and ultimately their quality of life. Prosthetic rehabilitation of patients with severe maxillary bone resorption is often challenging due to the inability to obtain sufficient skeletal anchorage. The utilization of osseous support beyond the immediate oral cavity supplies predictable expeditious return to function, shortening treatment times. The surgical and restorative goal is to achieve anatomically consistent implant placement, thus maximizing esthetics and function within the "normal" alveolar tooth envelope. The Brånemark System® Zygo ma implant allows for shortened surgical sequences and reduced treatment

time—while meeting the patients' expectations of success. This discussion will focus on utilization of the zygomatic implant using an immediate-load protocol. The team approach in utilizing a prosthetic-driven treatment plan will be highlighted. The presentation will review one patient treatment and report on a cohort of patients with five years of follow-up.

Learning outcomes

1. Review the surgical and prosthetic treatment planning of the zygomatic solution.
2. Understand the indications and limitations of the zygomatic implant.
3. Become familiar with the surgical procedures and immediate loading concept.
4. Review options of the final prosthetic solution and design.



Sunday, September 20, 2015

■ **Prosthetically driven zygomatic implant treatment – what works and what doesn't**

Speakers: Dr. Thomas Balshi and Mr. Stephen Balshi

Sunday
1st International Zygoma Summit

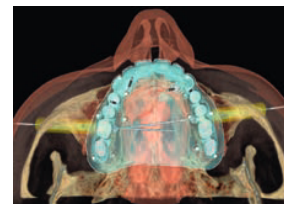
Overview

Zygomatic implant rehabilitation should never occur without knowing where the Enal tooth position is located. This rehabilitation can include substantial hard- and soft-tissue deEficiencies, often asymmetric, joined to a functioning occlusal scheme. This necessitates consideration of not only the replacement teeth but also required support through framework design and accommodating veneering materials. This presentation will discuss the value of 3D planning based on consideration of the deEficient restoration design requirements and the potential value of

prosthetically driven surgical guidance with a stereolithic template. Key observations over the past 17 years will be discussed, highlighting what works and what does not.

Learning outcomes

1. Understand treatment planning and the indications for using the Fixed prosthesis for the edentulous maxilla.
2. Review clinical protocol for fabrication of the implant-supported Fixed prosthesis.
3. Achieve long-term outcome and patient satisfaction using the implant-supported Fixed prosthesis for patients with the Brånemark System®Zygoma implant.



■ **Replacing what the patient is missing – nothing less, nothing more**

Speaker: Dr. Yvan Fortin

Sunday
1st International Zygoma Summit

Overview

When faced with extensive bone resorption and difEficult retention of a maxillary denture, patients have a strong motivation for Fixed restoration. A patient consults you with preconceived expectations but little understanding of the foundation required to support the restoration they envision. With utilization of Brånemark System®Zygoma implants for posterior support of Fixed restorations, graftless treatment options can be extended when the practical limits of tilted implants have been reached. This program will demonstrate using a foundation of zygoma implants and anterior implants to provide ease of restoration and long-term hygiene maintenance for both removable Fixed and full-arch zirconia prosthetic designs.

Learning outcomes

1. Identify the most suitable Fixed restoration to satisfy patient expectations and anatomic demands.
2. Distinguish key clinical considerations to achieve patient appropriate restoration with zygomatic implants based on pre-existing composite defects.
3. Understand the implications of "emergence profile" at the implant/abutment/restorative interface with soft tissue for long-term hygiene maintenance supported by long-term data.



1st International Zygoma Summit

Sunday, September 20, 2015

Management of complications of the zygoma concept

Speaker: Dr. Edmond Bedrossian

Sunday
1st International Zygoma Summit

Overview

The "rescue concept"—an algorithm outlining the role of the Brånemark System®Zygoma implant as the reliable technique for the management of complications in treatment of the maxillary edentulous patients—will be presented. Management of maxillary sinus infections as well as immediate replacement of failed zygoma implants will also be highlighted.

Learning outcomes

1. Discuss clinical conditions that may lead to complications.
2. Understand maxillary sinus infections and their management.
3. Review management of a failed zygoma implant and how to keep the immediate-load prosthesis functioning.



The zygoma quad concept

Speaker: Dr. Ruben Davó

Sunday
1st International Zygoma Summit

Overview

In this presentation the current "state of the art" of this technique will be reviewed in depth: indications, long-term results, complications, level of evidence, limits, refinements, and future directions for research. Classical pre-prosthetic surgical techniques for the totally-extremely resorbed maxilla have mainly tried to augment the available bone (different grafting procedures). Nevertheless the frequent need to use delayed loading protocols, and the demands on considerable patient compliance, have often precluded a high patient acceptance rate for these techniques, especially when a previous therapy has failed.

The successful outcome of four well-distributed Brånemark System®Zygoma implants (two on each zygoma bone) which permits the immediate loading of a fixed prosthesis (zygoma quad concept) has been validated.

Learning outcomes

1. Understand treatment planning and the indications for using the zygoma quad concept.
2. Review surgical techniques and immediate loading protocol.
3. Achieve long-term outcome using the zygoma quad concept.



Sunday, September 20, 2015

■ **Variation in the use of the zygoma implant in treatment planning for the edentulous maxilla**

Speaker: Dr. Paulo Malo

Overview

The use of Brånemark System®Zygoma implants has become a good alternative for the rehabilitation of patients with atrophic maxillae. This lecture will present the fundamentals of the extramaxillary technique, including its surgical principles applied to patient rehabilitation, while covering its possible strengths and challenges, the management of these aspects through the various stages of treatment, and the long-term results.

Learning outcomes

1. Understand the rationale for the use of an alternative technique for treatment of the edentulous maxilla.
2. Review the clinical protocol for the use of the alternative technique.
3. Achieve long-term outcome using the alternative technique.

Sunday
1st International Zygoma Summit



1st International Zygo ma Summit – hands-on sessions

Sunday, September 20, 2015

■ Zygo ma concept – prosthetic hands-on session

Moderator: Dr. Thomas Balshi

Instructors: Dr. Yvan Fortin, Dr. Sajid Jivraj, and Dr. Frank Tuminelli

Sunday

1st International Zygo ma Summit

Overview

This hands-on course will allow the participants to understand the various components and steps used for the “direct conversion” of a full denture to a fixed implant-supported prosthesis (provisional fixed bridge). Maxillary models with angled and straight Multi-unit Abutments as well as temporary titanium cylinders will be provided for each participant. Upon completion of this course, the participants will understand the steps for fabrication of a fixed immediate-load provisional and are encouraged to save the models for patient demonstration purposes.

Learning outcomes

1. Understand the components needed for the fabrication of a fixed provisional prosthesis.
2. Understand the steps for the “direct” intraoral conversion of the patient denture to a fixed provisional prosthesis.
3. Review management of the provisional prosthesis during the osseointegration period.



■ Zygo ma concept – surgical hands-on session

Moderator: Dr. Edmond Bedrossian

Instructors: Dr. Carlos Aparicio, Dr. Ruben Davó, Dr. Jay Neugarten, and Dr. Hooman Zarrinkelk

Sunday

1st International Zygo ma Summit

Overview

This hands-on course will allow the participants to understand the armamentarium and the surgical protocol for placement of Brånemark System®Zygo ma implants using the ad modum Brånemark technique. The discussion will focus on understanding the “trajectory” of the osteotomy. The steps for placement of a single zygo ma implant as well as the zygo ma quad concept will be communicated in depth.

Learning outcomes

1. Understand the armamentarium for placement of the Brånemark System®Zygo ma implant.
2. Understand the steps in placing the zygo matic implant.
3. Understand the modified steps for the placement of the zygo ma quad concept.



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for
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Faculty



Carlos Aparicio

Dr. Carlos Aparicio graduated summa cum laude in medicine and surgery at the University of Navarre in 1978 (Spain). He completed his internship specialization in stomatology at the University of Barcelona in 1983. Furthermore, he graduated as a dental laboratory technician in 1984 and obtained a master's degree in science of materials at the University of Barcelona in 1990. In 1997 he obtained a diploma in periodontics at the University of Gothenburg in Sweden. In 2010 he obtained his master's in biomedical research at the University of Barcelona, and in 2013 he defended his PhD at the Faculty of Medicine where he was awarded a summa cum laude qualification for his thesis "Zygomatic implant-based rehabilitation: the state of the art and proposed criteria for success." He is founding president of the Spanish Society of Minimally Invasive Dentistry and has served as Medical Director of Clínica Aparicio-Plenido, the first dental hospital of Barcelona.

■ 1st International Zygoma Summit
Sunday, September 20



Russell Baer

Dr. Russell Baer graduated from the University of Illinois School of Dentistry in 1985. He is a past clinical associate professor at the University of Chicago where he taught implant dentistry in the general practice residency and maxillofacial prosthodontics. He conducted clinical research on single-tooth immediate load using NobelReplace and NobelReplace Conical Connection. His passion for implant dentistry led him to the former Soviet Union, where he founded the Chicago Center for Advanced Dentistry and serves as academic director. The center is the leading training center of oral implantology and advanced dental techniques in the region and has offices in Moscow, Kiev, Vilnius, Almaty, and Mumbai, India. Dr. Baer has a private practice in downtown Chicago that specializes in implant and reconstructive dentistry.

■ Nobel Biocare Symposium
Saturday, September 19



Oded Bahat

Dr. Oded Bahat graduated from the University of the Witwatersrand School of Medicine and Dentistry in South Africa in 1977. In 1981 he received his specialty degree in periodontology as well as his MSD from the University of Washington in Seattle, Washington. He has been a diplomate of the American Board of Periodontology since 1986. He was the chairman and director of the postgraduate periodontics program at the University of Southern California School of Dentistry. From 1983 to 1987 he lectured nationally and internationally and has published over 30 scientific articles. He is on the review board of JOMI and the Journal of Clinical Implant Dentistry and Related Research. He currently maintains a private practice in Beverly Hills, California.

■ Nobel Biocare Symposium
Friday, September 18

Faculty



Stephen Balshi

Mr. Stephen Balshi (MBE) received his undergraduate degree in biomedical engineering from the Catholic University of America, Washington, DC. He was awarded a master's degree at the School of Biomedical Engineering, Science and Health Systems at Drexel University, Philadelphia, Pennsylvania, with a published thesis on the stability of Brånemark System® implants and Immediate Function. He is the president of CM Prosthetics Inc., a dental laboratory that focuses on the rehabilitation of the fully edentulous, utilizing state-of-the-art CAD/CAM technology. He is also the director of research for PI Dental Center at the Institute for Facial Esthetics. He publishes in several refereed journals and lectures at national and international meetings on biomechanics and implant dentistry.

- Nobel Biocare Symposium
Friday, September 18
- Digital track for dental technicians
Friday, September 18
- 1st International Zygoma Summit
Sunday, September 20



Thomas Balshi

Dr. Thomas Balshi is a board certified prosthodontist and the founder of the Institute For Facial Esthetics in Fort Washington, Pennsylvania. His 40-year career in dental medicine includes graduate and postgraduate degrees from Temple University School of Dentistry and prosthetic implant training at both the University of Toronto and the Institute for Applied Biotechnology in Gothenburg, Sweden. Considered an expert in dental implant prosthodontics, his trademarked Teeth in a Day® protocol has served patients from around the globe. Dr. Balshi is a diplomate of the American Board of Prosthodontics as well as a member of numerous other professional organizations. He established PI Dental Center, one of the first dental-implant treatment centers in the United States.

Teeth in a Day® is a trademark of Prosthodontics Intermedica.

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Edmond Bedrossian

Dr. Edmond Bedrossian received his DDS from the University of the Pacific, School of Dentistry, in 1986 and his certificate of oral and maxillofacial surgery at Highland Hospital in 1990. He is the director of implant surgical training at Highland Hospital, OMS Residency Training Program, and the director of the Restorative Implant Training at the UOP's AEGD Residency Program. He maintains a private practice in San Francisco, California. Dr. Bedrossian has authored the first internationally published article on the management of the zygomatic implant at stage II surgery. Dr. Bedrossian, in collaboration with Dr. P-I Brånemark, has completed a comprehensive chapter on the various indications for the zygomatic implant, both in the fully edentulous and in the partially edentulous patient.

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Markus Blatz

Dr. Markus Blatz is professor of restorative dentistry and chairman of the Department of Preventive and Restorative Sciences at the University of Pennsylvania School of Dental Medicine in Philadelphia, Pennsylvania, where he also founded the UPenn SDM CAD/CAM Ceramic Center. Dr. Blatz graduated from Albert-Ludwigs University in Freiburg, Germany, with a doctorate degree, a postgraduate certificate in prosthodontics, and, most recently, a professorship. He is a board certified diplomate in the German Society for Prosthodontics and Biomaterials (DGPro). Most recently, he founded and became president-elect of the International Academy of Adhesive Dentistry (IAAD). Dr. Blatz is the recipient of multiple teaching and research awards and has published and lectured extensively on dental esthetics, restorative materials, and implant dentistry.

■ Nobel Biocare Symposium
Saturday, September 19



Andrew Bock

Dr. Andrew Bock received his bachelor of arts degree in biology from the University of Colorado, Boulder. He then proceeded to Loma Linda University School of Dentistry in Loma Linda, California, and finished in the top 20% of his class in 2005. At Loma Linda he received the predoctoral Excellence in Dental Implantology award. He then entered the graduate prosthodontics residency program at the University of Texas Health Science Center, San Antonio, and graduated with his certificate in prosthodontics in 2008. Dr. Bock is a member of the American College of Prosthodontists, the Academy of Osseointegration, the American Dental Association, the Colorado Dental Association, and the Boulder/Broomfield County Dental Society.

■ Nobel Biocare Symposium
Saturday, September 19



Michael Cohen

Dr. Michael Cohen received his DDS from McGill University in Montreal and his MS and certificate in periodontics from the University of Washington. He maintains a private practice limited to periodontics and implants in the Seattle area. The Seattle Study Club (SSC) is the "brainchild" of Dr. Cohen. An advanced educational organization, SSC consists of clinicians dedicated to raising the level at which their profession is practiced. This "university without walls" has approximately 250 chapters with over 7,000 members. Dr. Cohen has authored various articles and has lectured internationally over the past 25 years. In 2008, he authored a textbook entitled Interdisciplinary Treatment Planning: Principles, Design, Implementation (Quintessence, 2008) and in 2011 he published Interdisciplinary Treatment Planning, Volume II: Comprehensive Case Studies.

■ Nobel Biocare Symposium
Saturday, September 19

Faculty



Joe Coursey

Mr. Joe Coursey (CDT) is the managing partner of Russellville Dental Lab, a family owned and operated lab in Southern Kentucky. Mr. Coursey attended the University of South Florida where he studied mechanical engineering before joining the lab as a second generation behind his father. He began fabricating implant restorations in the early 1980s, and has since helped to develop many of the commonly used techniques for the restoration of full-arch cases like those accomplished with the All-on-4® treatment concept. He holds Mastership status with the ICOI. Mr. Coursey will cover the unique aspect of the All-on-4® treatment concept and explain how to restore the Enal prosthesis with minimal work.

■ Nobel Biocare Symposium
Friday, September 18

■ Digital track for dental technicians
Friday, September 18



Ruben Davó

Dr. Ruben Davó received MD, MSc, PhD, and MFS degrees during his formal training and education. He is currently the director of Instituto Davó at the International Hospital Medimar in Alicante where he serves as chief of the Oral, Maxillofacial and Implant Surgery Department. He has focused his patient care on dentofacial deformities, guided surgery, rehabilitation of patients with atrophied bones, and quality-of-life issues. He is a member of the faculty at the Barcelona University Hospital. He has published extensively on the field of complex oral rehabilitation, especially zygoma implants. He lectures worldwide and provides international educational courses and programs at Instituto Davó. His PhD dissertation focused on immediate function in atrophic maxilla using zygomatic implants.

■ 1st International Zygoma Summit
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Yvan Fortin

Dr. Yvan Fortin obtained his bachelor of education in 1974 and doctorate of dentistry at University Laval in 1979. He has also published on the topics of surgical and prosthetic rehabilitation for the completely edentulous upper jaw with moderate to severe resorption, and surgical and restorative techniques to avoid bone grafting. He is a diplomate of the American Board of Oral Implantology and a fellow of the Academy of Osteointegration/ American Academy of Implant Dentistry. He served as a prosthodontic clinician at Laval University and lectures nationally and internationally on dental implants.

■ 1st International Zygoma Summit
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Steven Guttenberg

Dr. Steven Guttenberg is an oral and maxillofacial surgeon, practicing in Washington, DC, where he is director of the Washington Institute for Mouth, Face and Jaw Surgery. He has been placing dental implants for more than 35 years. He is a diplomate of the American Board of Oral and Maxillofacial Surgery and a fellow of the American College of Oral and Maxillofacial Surgeons, the American Association of Oral and Maxillofacial Surgeons, and the American Academy of Cosmetic Surgery. He is a senior attending surgeon and member of the teaching staff at the Washington Hospital Center and is the chairman of its Oral and Maxillofacial Surgery Residency Training and Education Committee. He is a frequent lecturer throughout the United States and abroad and has written numerous scientific articles, book chapters, and books.

■ Nobel Biocare Symposium
Friday, September 18



Paul Homoly

Dr. Paul Homoly graduated from the University of Illinois College of Dentistry in 1975. He practiced restorative dentistry for 20 years in Charlotte, North Carolina. He expanded his work as a consultant and trainer, and since 1986 he has coached dentists, laboratory owners/technicians, salespeople, consultants, academicians, executives, professional speakers, and politicians. Dr. Homoly is president of Homoly Communications Institute. He provides seminars and consultations on the topics of dental case acceptance, practice development, speaking, and practice management. Dr. Homoly is an active author contributing to dental journals world-wide, and is the author of highly regarded books, *Dentists: An Endangered Species*, *Isn't It Wonderful When Patients Say Yes!*, *Making it Easy for Patients to Say Yes*, and *Just Because You're an Expert... Doesn't Make You Interesting*.

■ Master Class
Thursday, September 17
8:00 a.m. – 5:00 p.m.

■ Nobel Biocare Symposium
Friday, September 18



Sajid Jivraj

Dr. Sajid Jivraj holds degrees from the University of Manchester, England, and the University of Southern California (USC). He is the former chairman section of Fixed prosthodontics and operative dentistry at USC School of Dentistry. Dr. Jivraj has published numerous articles on esthetic and implant dentistry and co-authored the textbook *Treatment Planning in Implant Dentistry*. He is on the editorial board of the *Journal of Esthetic and Restorative Dentistry* and the advisory board of *Teamwork Magazine*. Dr. Jivraj currently holds a faculty position as associate clinical professor at the USC School of Dentistry, is honorary clinical teacher at the Eastman Dental Institute, London, and maintains a private practice in Oxnard, California.

■ 1st International Zygoma Summit
Sunday, September 20

Faculty



Sascha
Jovanovic

Dr. Sascha Jovanovic was formally trained in periodontics at the UCLA School of Dentistry, in implant dentistry at Loma Linda University, and in prosthodontics at University of Aachen, Germany, and holds a master of sciences degree in oral biology from UCLA. He restricts his clinical work to dental implant therapy, and bone and soft-tissue reconstruction, is a course director at UCLA Continuing Dental Education, and is founder and academic chairman of the gIDE Institute. He is the past president of the European Association for Osseointegration and a past board member of the Osseointegration Foundation. Dr. Jovanovic's clinical research emphasizes esthetic management in dental implant therapy and bone and soft-tissue reconstruction techniques. He lectures extensively worldwide and has published over 60 articles and book chapters.

■ Nobel Biocare Symposium
Saturday, September 19



Spiro Karras

Dr. Spiro Karras received his dental degree from the University of Illinois at Chicago, College of Dentistry. He completed specialty training in oral and maxillofacial surgery at Tufts University School of Dental Medicine and a fellowship at Baylor University Medical Center. Dr. Karras has extensive experience in dental implant surgery, with expertise in immediate-function, full-arch implant rehabilitation utilizing the All-on-4® treatment concept. Dr. Karras developed knowledge of the prosthetic requirements for the All-on-4® treatment concept and has refined surgical procedures to produce prosthetically driven results that allow for predictable, stress-free fabrication and delivery of both immediate and final prosthetic appliances. Dr. Karras maintains a private practice of oral and maxillofacial surgery in Lincolnwood, Illinois.

■ Master Class
Thursday, September 17
8:00 a.m. – 5:00 p.m.



Darren Lemke

Mr. Darren Lemke is the president of Approach Management Group Inc. He started his dental career in 1990 with Cerum Dental and in 1996 he cofounded DTI Dental Technologies Inc. and served as president on the board of directors. While president, he designed DTI's acquisition plan and created the sales strategies for laboratory growth. Mr. Lemke was part of the team that took the company from a private company to being publically held. Then he formed Approach Management Group with Patti Glendinning, a former DTI lab manager, and Wallace Sholdice, a fellow cofounder and past COO and CEO of DTI Dental Technologies Inc. It was their mission to provide management solutions to dental laboratories to help them navigate the business environment of today and prepare for the future.

■ Digital track for dental technicians
Saturday, September 19



Scott MacLean

Dr. Scott MacLean is currently a part-time clinical professor at the Dalhousie University Dental Clinic and he practices general dentistry in Halifax, Nova Scotia, with a large component of both referral-based implant and esthetic dentistry. He has published articles internationally on implant dentistry. He has been producing teaching videos for www.youtube.com presentations under the username of "smmaclean." Dr. MacLean is a member of the International Congress of Oral Implantologists (ICOI), the Academy of Osseointegration, the Canadian Academy of Restorative Prosthodontics (CARDP), the Canadian Academy for Esthetic Dentistry (CAED), and the American Academy of Cosmetic Dentistry (AACD). He is a fellow of the Academy of Dentistry International, the Pierre Fauchard Academy, and the American College of Dentists.

■ Nobel Biocare Symposium
Saturday, September 19



Jay Malmquist

Dr. Jay Malmquist received a DMD degree and advanced training as an oral and maxillofacial surgeon. His interest in research on bone physiology and regeneration led him to Emory University where he engaged in research protocols in the evolution of bone proteins and bone grafting techniques. He shares his knowledge in oral surgery and research as a professor at Oregon Health Science University in the Department of Oral and Maxillofacial Surgery. He is a diplomate of the American Board of Oral and Maxillofacial Surgery and served as an examiner on the board. He lectures nationally and internationally and has authored numerous articles and chapters in textbooks. His focus in his private practice in Portland includes bone grafting, bone regeneration, and dental implant surgery.

■ Nobel Biocare Symposium
Saturday, September 19



Paulo Malo

Dr. Paulo Malo received his dental degree from the Faculty of Dental Medicine at the University of Lisbon in 1989. He founded the MALO CLINIC in 1995 where he developed the MALO CLINIC Protocol (surgical techniques and innovative products such as the All-on-4® treatment concept, a new zygoma implant and protocol, the NobelSpeedy® implant, and the advanced technical solution MALO CLINIC BRIDGE), recognized worldwide by the dental and medical community as setting a new standard in fixed oral rehabilitation. Dr. Malo is a visiting professor at several universities, has published numerous scientific journal articles, and is co-author of several textbooks. Dr. Malo lectures regularly at international conferences and has also received several distinctions and awards for his medical/dental breakthrough and his management, leadership, and entrepreneurial skills.

■ 1st International Zygoma Summit
Sunday, September 20

Faculty



Ian McNickle

Mr. Ian McNickle is a nationally recognized marketer, writer, and speaker. He received his MBA from the University of Washington where he graduated cum laude. He has developed significant expertise in online marketing, website optimization and website conversion, search engine optimization (SEO), pay-per-click marketing (PPC), social media, video marketing, referral marketing, online reputation management, marketing strategy, and related topics. In addition, he has developed a critical set of KPIs (key performance indicators) for measuring the effectiveness of any marketing program. He is a partner at WEO Media, a national dental marketing firm where he leads their sales, marketing, and business development activities. Under his leadership WEO Media has grown quickly to become one of the leading dental marketing firms in the country.

■ Master Class
Thursday, September 17
8:00 a.m. – 10:00 a.m.

■ Nobel Biocare Symposium
Friday, September 18



Sanda Moldovan

Dr. Sanda Moldovan is a practicing periodontist and nutritionist in Beverly Hills, California, and Manhattan, New York. She has performed live dental-implant surgeries for the CBS network's renowned TV show *The Doctors* and continues to inform the public and restorative dentists about the advancements in dental implants and nutrition on different platforms, such as radio, TV, and social media. With a firm belief in health from the inside out, Dr. Moldovan believes health issues that manifest in the mouth are key indicators for one's overall health.

■ Master Class
Thursday, September 17
1:00 p.m. – 5:00 p.m.

■ Nobel Biocare Symposium
Saturday, September 19



Jay Neugarten

Dr. Jay Neugarten is a member of Omicron Kappa Upsilon from the Columbia University School of Dental and Oral Surgery. Dr. Neugarten earned his medical degree at Stony Brook University School of Medicine. He is a diplomate of the American Board of Oral and Maxillofacial Surgeons. Dr. Neugarten is an associate clinical professor at Long Island Jewish Medical Center, New York Hospital Cornell-Weil Medical Center, and is chairman of the North Shore Implantology Program, Surgical Division. Dr. Neugarten practices the full scope of oral and maxillofacial surgery including orthognathic and reconstructive jaw surgery, implant surgery, bone-grafting and soft-tissue reconstruction of the jaws, cleft lip/palate surgery, temporomandibular joint reconstructive surgery, and dentoalveolar surgery.

■ 1st International Zygoma Summit
Sunday, September 20



Ken Parrish

Dr. Ken Parrish graduated from the University of Louisville School of Dentistry in 1989. He received his specialty training at the University of Iowa in periodontics and also received his PhD in microbiology. He is certified by the American Board of Periodontology. Dr. Parrish was an assistant professor in the Department of Periodontics at the University of Kentucky College of Dentistry before receiving an appointment as the Head of the Section of Periodontics at the Cleveland Clinic Foundation where he was the primary surgeon in the Center for Implant Excellence.

- Nobel Biocare Symposium Friday, September 18
- Digital track for dental technicians Friday, September 18



Michael Pikos

Dr. Michael Pikos attended The Ohio State University and completed an internship at Miami Valley Hospital and residency training in OMS at the University of Pittsburgh, Montefiore Hospital. He is an adjunct assistant professor, Department of Oral and Maxillofacial Surgery at The Ohio State University College of Dentistry and Nova Southeastern University College of Dental Medicine. Dr. Pikos has extensive experience in implant surgery and hard- and soft-tissue grafting procedures. He also emphasizes interactive CT technology along with foundational principles of prosthetics and biomechanics that dictate the ultimate success of comprehensive implant rehabilitation. Dr. Pikos is founder and CEO of the Pikos Institute and maintains a private practice that is limited exclusively to implant surgery in Palm Harbor, Florida.

- Nobel Biocare Symposium Friday, September 18



Sundeeep Rawal

Dr. Sundeeep Rawal graduated from the University of Florida College of Dentistry in 2006. He completed his training in prosthodontics at the University of California San Francisco in 2009 where he was exposed to the most current technologies shaping dentistry. He has worked extensively to utilize CAD/CAM technologies within the scope of clinical dentistry and enhance his patients' restorative treatments. He has lectured extensively across the US as well as internationally. He is currently in private practice in east central Florida near Orlando and the Beaches. Member affiliations include the American College of Prosthodontics, American Academy of Cosmetic Dentistry, American Dental Association, and International Congress of Oral Implantology.

- Master Class Thursday, September 17 1:00 p.m. –5:00 p.m.
- Nobel Biocare Symposium Friday, September 18
- Digital track for dental technicians Saturday, September 19

Faculty



Conrad Rensburg

Mr. Conrad Rensburg graduated under full scholarship from Pretoria Tech in 1992, with a four-year baccalaureate degree in technology. Since that time, he has specialized in Fixed prosthetics with a heavy emphasis on dental implant restorations. While employed by ADW Dental as senior ceramist, Mr. Rensburg received managerial certification from the SADTC in 1995. He then owned and operated RensTech Fixed Prosthetics in Pretoria, South Africa. In 1999 he relocated to the US and was hired as the general manager of Absolute Dental Services. During that time, he created the nationally renowned Absolute implant department. Mr. Rensburg purchased Absolute Dental in 2004 and has now created a world-class dental lab in North Carolina.

■ Digital track for dental technicians
Friday, September 18

■ Nobel Biocare Symposium
Saturday, September 19



Gabor Tepper

Dr. Gabor Tepper is one of the leading specialists in Austria in the field of oral implantology. After graduating from Vienna Medical School with the highest possible score, he was awarded the Prize of the President of the Republic before enrolling in his postgraduate training at University of California–Los Angeles (UCLA). He has published dozens of peer-reviewed scientific research articles in various European and American journals on topics related to oral implants and holds a teaching post at the Gottlieb-Bernhard University Clinic of the MUW (Vienna Medical University). He lectures nationally and internationally at conferences and functions as a global speaker for companies in the implant industry; to date he has given more 250 presentations.

■ Master Class
Thursday, September 17
1:00 p.m. – 5:00 p.m.

■ Nobel Biocare Symposium
Friday, September 18



Frank Tuminelli

Dr. Frank Tuminelli received his dental degree and specialty training in prosthodontics from Fairleigh Dickenson University School of Dental Medicine. Dr. Tuminelli is a diplomate of the American Board of Prosthodontics. He is the program director for graduate prosthodontics at New York Hospital Queens (member of the Presbyterian Healthcare System). He served as the program director of advanced prosthodontics and implantology, for the NSHLIJ Health System. Currently he is the president of the American College of Prosthodontists, and past president of The Greater New York Academy of Prosthodontics. Dr. Tuminelli served as the team dentist for the New York Islanders for ten years. He lectures locally and nationally, and has authored/coauthored multiple scientific papers. He maintains a private practice limited to prosthodontics on Long Island.

■ 1st International Zygoma Summit
Sunday, September 20



Kerry Voit

Dr. Kerry Voit received his dental degree and postdoctoral training in prosthodontics from the University of Illinois College of Dentistry. He has been the clinical and laboratory director of dental implant centers, focusing his practice on the treatment of edentulous patients and patients with terminal dentition, and he is the founder of Voit Mentoring Institute. Dr. Voit has completed over 3000 arches using the All-on-4® treatment concept. He has also participated in over 2500 surgeries performing the All-on-4® treatment concept and has gained knowledge regarding where the most common prosthetically related surgical oversights occur. Based upon these experiences, Dr. Voit has provided prosthetically driven surgical guidance to over 50 maxillofacial and periodontal surgeons performing procedures using the All-on-4® treatment concept.

■ Master Class
Thursday, September 17
8:00 a.m. – 5:00 p.m.



Thomas Wade

Mr. Thomas Wade (CDT) has owned and operated New Horizons Dental Laboratory in Broomfield, Colorado, since 1983 and has always specialized in the fabrication of removables and implant prosthetics. He is a published author and lectures on both clinical and laboratory aspects of multiple-implant full-arch prosthesis, with an emphasis on CAD/CAM milled titanium bar restorations. He is a 1976 graduate of the dental technology program at the US Air Force School of Health Care Sciences, Sheppard AFB, Wichita Falls, Texas. Mr. Wade is a 2012 "CDT of the Year" nominee and the lead instructor for the master level "Dentures on Implants" two-day hands-on workshop presented by the Ivoclar/Nobel Biocare partnership at the Implant Esthetics Center of Excellence in Sarasota, Florida, and at their Mississauga, Ontario (Toronto), facility.

■ Nobel Biocare Symposium
Saturday, September 19

■ Digital track for dental technicians
Saturday, September 19



Chandur Wadhvani

Dr. Chandur Wadhvani received his undergraduate and dental degrees from the University College London School of Dentistry. He received his specialty certificate in prosthodontics as well as a master's degree from the University of Washington School of Dentistry. Dr. Wadhvani is an affiliate instructor in the Department of Restorative Dentistry at the University of Washington, past president of the Washington State Society of Prosthodontists, and past president of the Tucker 60th Study Club. Dr. Wadhvani is primary author of several publications in peer-reviewed dental journals and is involved in several aspects of implant research with the University of Washington. He has written the first-ever evidence-based textbook dedicated to implant cementation to help clinicians as they work on implants.

■ Nobel Biocare Symposium
Saturday, September 19

Faculty



Hooman
Zarrinkelk

Dr. Hooman Zarrinkelk received his dental degree from Loma Linda University. Following dental school, he was the “Research Fellow in Oral & Maxillofacial Surgery” at The University of Texas Southwestern Medical Center, Parkland Hospital. Upon completion of his research projects, Dr. Zarrinkelk returned to California to complete his surgical residency training at Loma Linda University Medical Center, and he also became a diplomate of the American Board of Oral and Maxillofacial Surgery. He is a fellow of the American Association of Oral and Maxillofacial Surgeons and American College of Oral and Maxillofacial Surgeons. He maintains a private practice in Ventura, California, with special interests in reconstructive jaw surgery.

■ 1st International Zygo ma Summit
Sunday, September 20

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Nevada boasts three National Parks and two dozen State Parks, and your stay at luxurious Four Seasons Hotel Las Vegas puts you close to the natural action. Whether you're in the mood for hiking, rock climbing, or Eshing, the staff at the Four Seasons is always pleased to advise and assist you.

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Four Seasons Hotel concierge is also available to help plan your trip: 702 632 5000

Tuition and registration

Tuition rates

Nobel Biocare Symposium, Las Vegas* September 18–19, 2015

■ Clinicians	\$995
■ Laboratory technician**	\$650
■ Dental office staff	\$495
■ Students	\$245

Master Classes

September 17, 2015

■ 2-hour session	\$95
■ All half-day sessions	\$295
■ Full-day session (Dr. Karras and Dr. Voit)	\$495
■ Full-day session (Dr. Homoly)	
– Clinicians	\$125
– Office Staff	\$45

Additional social event ticket*

■ For those not attending the Symposium/guests	\$149
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1st International Zygoma Summit

September 20, 2015

■ Symposium attendees	\$449
■ Zygoma Summit only	\$549

Registration

To register please visit www.nobelbiocare.com/usa2015
or contact Nobel Biocare Training and Education at 800 579 6515

* Tuition for the Nobel Biocare Symposium in Las Vegas is for September 18–19 only and includes one social event ticket.
** Limited-attendance session; registration on a first-come, first-served basis.



nobelbiocare.com/usa2015

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