Pikos Symposium
CLINICALLY RELEVANT & EVIDENCE BASED

2019

Full Arch Immediate Implant Reconstruction: State of the Art

Featuring 15 of the World’s Master Clinicians!

Dr. Enrico Agliardi  Dr. George Duelleo  Dr. George Romanos
Dr. Carlos Aparicio  Dr. Yong-Han Koo  Dr. Costa Nicolopoulos
Dr. Steven Bongard  Dr. Michael A. Pikos  Dr. Petro Yuvanoglu
With
Dr. Philip Hedger
Dr. Gioacchino Cannizzaro
Dr. Marco Degidi
Dr. Alessandro Pozzi

Optional Hands-on Workshops by:
- Dr. Michael A. Pikos & Dr. Philip Hedger
- Dr. Saj Jivraj & Dr. Hooman Zarrinkelk
- Dr. Costa Nicolopoulos & Dr. Petro Yuvanoglu

Ritz-Carlton | Orlando Grande Lakes
Oct. 10-12, 2019
www.PikosSymposium.com | (727) 781-0491
Dear Colleague,

I want to personally invite you to attend the Pikos Institute sponsored **Full Arch Immediate Reconstruction Symposium 2019**. This one of a kind program will feature 15 of the world’s Master Clinicians as they share their surgical and restorative protocols for full arch immediate reconstruction in a most unique mode. In keeping with the Pikos Symposium format, each speaker and team will have two hours to present their material including 20 minutes of direct Q & A with all audience questions texted during the speaker’s presentation. This format will allow each speaker ample time to develop their respective topic, as well as to provide for direct audience participation.

This symposium is for both entry level and advanced level clinicians who desire to advance their knowledge of **clinically relevant and evidence based** state of the art surgical and prosthetic strategies for full arch immediate reconstruction. It will cover the entire spectrum of both the scientific and clinical elements of this most relevant area of implant rehabilitation from freehand analog based protocols to partially and fully guided immediate full arch reconstruction protocols. Pikos Symposium 2019 will include, but not be limited to, the following topics:

- Indications and contraindications for full arch immediate reconstruction of edentulous and soon to be edentulous arches
- Comprehensive diagnostic criteria for maxillary and mandibular full arch immediate reconstruction for edentulous and terminal dentate arches
- Treatment planning for full arch immediate reconstruction cases
- Biomechanics of why tilted implants work
- Biology of osseointegration with focus on the biomechanics and wound healing of immediate load implants
- Biology, scientific background, and clinical application of immediate load implants for full arch immediate reconstruction
- Comprehensive workflow for free hand conversion approaches for full arch immediate reconstruction
- Comprehensive workflow for fully guided approaches for full arch immediate reconstruction
- Decision making process in treating edentulous and soon to be edentulous patients with full arch immediate reconstruction protocols, both guided and non guided
- Surgical and prosthetic pearls for full arch immediate reconstruction of the edentulous and soon to be edentulous patient
- Step by step surgical, prosthetic, and laboratory protocols for free hand non guided full arch immediate reconstruction of the edentulous and soon to be edentulous patient
- Step by step surgical, laboratory, and prosthetic protocols for fully guided full arch immediate reconstruction of the edentulous and soon to be edentulous patient
- Complete digital workflow for facially driven and immediate load prosthetic rehabilitation of the edentulous and soon to be edentulous patient
- Surgical and prosthetic complications of full arch immediate reconstruction procedures
- Indications and contraindications including decision making algorithms for zygomatic implants for full arch immediate reconstruction
- ZAGA Classification concepts for comprehensive use of the zygoma implant for the severely atrophic maxillary arch
- Biomechanical principles involved in treatment planning full arch immediate load cases that includes zygomatic implants
- Complications of tilted and zygomatic implants
- Final restorative options for rehabilitating the full arch immediate reconstruction patient
- Specific protocols for maintenance and long term follow up for patients undergoing full arch immediate reconstruction

Please join us at the Ritz-Carlton Orlando for what will be a unique, information loaded, and **total immersion learning experience** on all aspects of the science and art of full arch immediate reconstruction of the edentulous and terminal dentition arch. This will be the most **comprehensive Full Arch Immediate Reconstruction Symposium you will ever attend**. Come and learn from these talented world class master clinicians. You don’t want to miss this great opportunity. Register now as attendance is limited.

I look forward to seeing you in October.

Warmest regards,

Michael A. Pikos, DDS
## Program Schedule

### Pre-Con Hands-On Workshops: Wednesday – October 9, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Speakers</th>
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<td>8:00 am – 12:00 pm</td>
<td>Dr. Michael A. Pikos and Dr. Philip J. Hedger</td>
<td>Fully Guided Full Arch Immediate Implant Reconstruction Hands-on Workshop</td>
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<tr>
<td>1:00 pm – 5:00 pm</td>
<td>Dr. Saj Jivraj and Dr. Hooman Zarrinkelk</td>
<td>All-on-4® &amp; Zygoma Treatment Concept: Lecture and Hands-on Session</td>
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<tr>
<td>1:00 pm – 5:00 pm</td>
<td>Dr. Costa Nicolopoulos and Dr. Petro Yuvanoglu</td>
<td>Optimizing All-on-X with Osseodensification &amp; Site Specific Implants</td>
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### Day 1: Thursday – October 10, 2019

- **6:30 am – 7:30 am**: Registration/Breakfast
- **7:30 am – 8:00 am**: Introductions
- **8:00 am – 10:00 am**: Dr. George Romanos, *Immediate Functional Loading as a Foundation for Bone Formation in the Rehabilitation of the Edentulous Jaws*
- **10:00 am – 10:30 am**: Morning Break
- **10:30 am – 12:30 pm**: Dr. Marco Degidi, *The Conometric Concept in Implant Prosthetics: A New Way to Make Fixed Restorations*
- **12:30 pm – 1:45 pm**: Lunch
- **1:45 pm – 3:45 pm**: Dr. Saj Jivraj and Dr. Hooman Zarrinkelk, *All-on-4® Treatment Concept: A Graft – Avoiding Protocol for Full-Arch Prosthetic Rehabilitation*
- **3:45 pm – 4:15 pm**: Afternoon Break
- **4:15 pm – 6:15 pm**: Dr. Enrico Agliardi, *Tilted Implants - Immediate Rehabilitation of Compromised Patients*
- **6:30 pm – 7:30 pm**: Welcome Reception

### Day 2: Friday – October 11, 2019

- **7:00 am – 8:00 am**: Breakfast
- **8:00 am – 10:00 am**: Dr. Gioacchino Cannizzaro, *Fixed-on-2 (FO2). From Research to Clinical Solution: Provocation or Clinical Evidence?*
- **10:00 am – 10:30 am**: Morning Break
- **10:30 am – 12:30 pm**: Dr. Costa Nicolopoulos and Dr. Petro Yuvanoglu, *Management of Failed Full Arch Implant Cases*
- **12:30 pm – 1:45 pm**: Lunch
- **1:45 pm – 3:45 pm**: Dr. Michael A. Pikos and Dr. Philip Hedger, *Fully Guided Full Arch Immediate Implant Reconstruction: 2019*
- **3:45 pm – 4:15 pm**: Afternoon Break
- **4:15 pm – 6:15 pm**: Dr. Alessandro Pozzi, *Orchestration of Static Guided Surgery, Dynamic Navigation & Guided Prostheses for Complete Arch Rehabilitation*

### Day 3: Saturday – October 12, 2019

- **7:00 am – 8:00 am**: Breakfast
- **8:00 am – 10:00 am**: Dr. Steven Bongard, *Graftless Solutions for the Management of the Severely Atrophic Edentulous Patient*
- **10:00 am – 10:30 am**: Morning Break
- **10:30 am – 12:30 pm**: Dr. Carlos Aparicio, *Zygomatic Implants – The Zygoma Anatomy-Guided Approach (ZAGA)*
- **12:30 pm – 1:45 pm**: Lunch
- **1:45 pm – 3:45 pm**: Dr. George Duello, *How Do We Maintain and Support Patients Who Have Been Treated for Prosthetic Replacement of Total Edentulism*
- **3:45 pm – 4:15 pm**: Afternoon Break
- **4:15 pm – 6:15 pm**: Dr. Yong-Han Koo, *Digitally Guided Full-Arch Reconstruction: Current State & Future Concepts*

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Immediate Functional Loading as a Foundation for Bone Formation in the Rehabilitation of the Edentulous Jaws

Immediate loading of dental implants is a well-established protocol in the edentulous mandible but still clinicians do not use this treatment protocol on a routine basis. The presentation demonstrates the basic principles of bone healing as well as the effects of loading forces on the cell signaling mechanisms as the main requirement in order to achieve successful clinical results. Various clinical protocols using different implant designs as well as advanced surgical protocols will provide scientific information and the evidence about the options and limits of immediate functional loading for daily practice.

Learning Objectives:
1. To understand the main mechanism of bone formation under loading conditions.
2. To develop clinical protocols on immediate loading demonstrating long-term success.
3. To emphasize how to avoid surgical and prosthetic complications.

The Conometric Concept in Implant Prosthetics: A New Way to Make Fixed Restorations

This presentation will focus on the Conometric Concept for full mouth immediate reconstruction. The Conometric Concept focuses on creating fixed implant supported restorations without screws or cement. It can be applied to single teeth, multiple teeth as well as full arch. It also facilitated creation of temporary as well as final restorations, immediate loaded or delayed, in combination with many types of restorative materials. The prosthesis has the versatility of being removed by the dentist but not the patient.

Learning Objectives:
1. Learn how to select the appropriate treatment plan in the edentulous patient.
2. Understand the principles and the rationale of the conometric concept.
3. Learn how to parallelize and passivate Conometric abutments.

All-on-4® Treatment Concept: A Graft-Avoiding Protocol for Full-Arch Prosthetic Rehabilitation

The All-on-4® treatment concept represents a streamlined approach to treatment with elimination of grafting and utilizing minimal armamentarium available in most surgical offices. However, simplicity of the concept does not always lead to ease of execution or success of overall treatment. To be successful at All-on-4® one must recognize the absolute requirements that must be satisfied in all cases. During this lecture the speakers will draw on their vast experience to highlight the absolute surgical and prosthetic factors to be considered for successful treatment. The speakers will also outline modifications of the All-on-4® Treatment Concept principals in situations where traditional approach would be difficult or require excessive bone removal. Criteria and surgical techniques will be discussed in depth utilizing actual case footage.

Learning Objectives:
1. Select cases for All-on-4® treatment concept.
2. Understand the diagnostic principals in treatment of atrophic jaws.
3. Become familiar with surgical and prosthetic techniques for All-on-4® treatment concept.

Tilted Implants - Immediate Rehabilitation of Compromised Patients

Nowadays rehabilitation of total edentulous patients is a growing demand that dentistry is facing. Transition from failing dentition to total implant-supported prosthesis, patients demanding immediate solutions, and managing compromised patients are common problems that general practitioners have to solve in everyday clinical activity. Furthermore, fast and simple handling of immediate function, esthetic and natural final results are mandatory requirements in dentistry when facing patients in need of a total rehabilitation. This presentation will show how it is possible to immediately rehabilitate patients with functional and esthetic results thanks to the use of tilted implants.

Learning Objectives:
1. Learn how it is possible to treat atrophic patients avoiding demanding bone grafting procedures.
2. Learn the tilted implants surgical protocol and how to use it in different clinical situations.
3. Learn how to deliver a functional and esthetic provisional prosthesis and how to convert it in a final rehabilitation with long-term success.
**Fixed-On-2 (FO2): From Research to Clinical Solution: Provocation or Clinical Evidence?**

Over the last ten years our center has treated 442 patients with a success rate comparable to "All-on-4®" treatments. On all of the above cases F-O-2 looked like the most suitable treatment to avoid the disability of a totally mobile prosthesis. Over the last five years we have not only limited our practice to ideal patient rehabilitation, but have also applied a revolutionary protocol of flapless therapy to include simplicity and flexibility of treatment. This could represent the third millennial SYNTHESIS, for both simple and difficult cases.

**Learning Objectives:**
1. Understand surgical and prosthetic simplification.
2. Understand high risk patient rehabilitation.
3. Understand minimally invasive resolution of complex cases.

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**Management of Failed Full Arch Implant Cases**

Reported dental implant success rates are high resulting in an ever-increasing number of patients being treated with implants. Nevertheless, implant failures due to peri-implantitis & bone loss do occur. The most predictable management of these cases appears to be implant removal & replacement. The aim of this lecture is to describe an atraumatic method & accelerated treatment modality in dealing with these compromised dental implant cases of complete full arch immediate load reconstruction.

**Learning Objectives:**
1. Become familiar with the concept of immediate replacement of failed implants in the same or adjacent site.
2. Become familiar with the protocol of immediate loading replaced implants.
3. Identify cases where immediate replacement is not possible, and a delayed protocol is indicated.

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**Fully Guided Full Arch Immediate Implant Reconstruction: 2019**

This clinically based presentation will focus on the integration of facially driven implant supported prosthetics and surgical and laboratory disciplines, combined with CBCT technology to provide a seamless approach for fully guided full arch and full mouth immediate implant reconstruction for the terminal dentition and edentulous patient. This protocol includes placement of a virtually created, prefabricated, computer guided monolithic bar supported prosthesis for both edentulous and dentate arches. The complete workflow from diagnostics to virtual workup with proof of concept for this fully guided approach will be presented along with cases that feature indications and overall procedural sequence.

**Learning Objectives:**
1. Understand the indications and protocol for facially driven computer guided full arch and full mouth immediate placement with a prefabricated monolithic acrylic bar supported provisional.
2. Compare the advantages of this protocol over conventional denture conversion protocols for full arch and full mouth implant reconstruction.
3. Understand the limitations of this totally guided surgical and prosthetic protocol for full arch immediate reconstruction cases.

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**Orchestration of Static Guided Surgery, Dynamic Navigation & Guided Prostheses for Complete Arch Rehabilitation**

The computer guided implant surgery and the X-Guide Navigation system introduces a novel minimally invasive concept in the treatment of total edentulous and terminal dentition patients, with new perspectives based on bone graftless rehabilitation and low morbidity implant surgery. Moreover, the novel DTX digital platform can embed all the diagnostic information obtained from CBCT as well as extra and intra oral optical surface scanning, allowing a novel digital pathway based on facially driven virtual diagnostic waxing, prosthetically driven surgical plan, digitally printed surgical template, and immediate fabrication of implant-supported screw-retained interim restorations.

**Learning Objectives:**
1. Understand the benefits and disadvantages of using digitally guided surgery and prosthetics techniques.
2. Gain knowledge on the different clinical indication of CAD/CAM template guided implant surgery and x-guide navigation implant surgery.
3. Manage the soft tissue interface in order to enhance the clinical outcome over time.
Graftless Solutions for the Management of the Severely Atrophic Edentulous Patient

Tilting implants and the reported success of the All-on-4® treatment concept has allowed us to reconsider many conventional treatment approaches for the completely edentulous full arch patient. Graftless solutions with reduced post-surgical morbidities and immediate provisionalization is often more appealing to potential patients than traditional approaches that require significant grafting procedures. This lecture will discuss and highlight some of these alternative treatment options available to edentulous and soon to be edentulous patients.

Learning Objectives:
1. Understand the advantages and disadvantages to these approaches.
2. Understand the surgical and prosthetic modifications associated with these alternative approaches.
3. Identify the indications and contraindications to graftless edentulous solutions available to the completely edentulous and soon to be edentulous patients.

Zygomatic Implants – The Zygoma Anatomy-Guided Approach (ZAGA)

To overcome the original technique drawbacks, different surgical approaches, including the extra-sinus technique, have been described. A minimally invasive protocol, named Zygoma Anatomy-Guided Approach (ZAGA) is aiming at promoting a patient-specific therapy. ZAGA avoids sinus wall damage improving hard and soft tissue sealing and maintenance. Surgical management of the implant site is guided by the anatomy of the patient. As a consequence, the path of the implant may vary from a total intra-sinus to a total extra-sinus one. Using specific success criteria for zygomatic implants, ZAGA method has proved enhanced results and reduced number of long term complications.

Learning Objectives:
1. To understand the Zygoma related rehabilitation challenges, goals and related risks.
2. To understand the rationale for the zygomatic osteotomy.
3. To understand how to avoid late complications in the Zygoma related rehabilitation using the ZAGA philosophy.

How Do We Maintain and Support Patients Who Have Been Treated For Prosthetic Replacement of Total Edentulism

This presentation will discuss the short and long-term maintenance of appliances for the treatment of total edentulism. Logistics and timing of revisions for prosthetics will be covered in this presentation. Dental laboratory support is critical to lessening patient’s disability based on the design of the original prosthesis and any repairs that may be needed. Protocols for the long-term care of total edentulous prosthesis will be discussed as well as guidelines from various professional organizations will be highlighted in this presentation.

Learning Objectives:
1. Demonstrate how the initial surgery and prosthesis for the patient impact the long term success of the patient’s solution for prosthetic treatment.
2. Logistics and responsibility of maintenance protocols will be considered
3. Case presentations will be presented of patients with various treatments and the long-term successes or failures.

Digitally Guided Full-Arch Reconstruction: Current State & Future Concepts

In this presentation, you will learn about new innovations in the digital workflow for fully guided, full-arch treatment. This practical methodology enables the patients and the team to communicate more effectively in the treatment planning process, applying the crown-down, reverse engineering concept through CAD/CAM technology. The specifics of the protocol in the diagnostic, treatment planning, surgical, prosthetic and laboratory phases will be demonstrated through various clinical cases. Future concepts will also be discussed.

Learning Objectives:
1. Understand the key determining factors for long-term success criteria: Survival vs Success.
2. Utilize an efficient, modular full-arch digital workflow for precise execution in complex atrophic edentulous cases.
3. Identify various sources of complications and their management.
Dr. Michael A. Pikos and Dr. Philip Hedger (8:00am - 12:00pm) 4 CE Hours

Fully Guided Full Arch Immediate Implant Reconstruction Workshop

This half day workshop will focus on the complete digital workflow from diagnostics to virtual workup with proof of concept of the fully guided prosthetic - surgical approach for immediate implant reconstruction (Same Day Teeth®). It will feature the integration of facially driven implant supported prosthetics along with surgical and laboratory disciplines, combined with CBCT technology that result in totally guided full arch reconstruction. The hands-on component will allow the attendee to fully appreciate the attention to detail that this unique protocol represents.

Learning objectives:
At the end of this workshop participants should be able to:
1. Understand the indications and workflow for facially driven computer guided full arch reconstruction.
2. Appreciate the advantages of this protocol over conventional denture conversion protocols for full arch reconstruction.
3. Appreciate the attention to detail that a complete virtual workup allows for fully guided full arch immediate reconstruction cases.

Dr. Saj Jivraj and Hooman Zarrinkelk (1:00pm - 5:00pm) 4 CE Hours

All-on-4® & Zygoma Treatment Concept: Lecture and Hands-on Session

Overview: This hands-on course will help participants understand the surgical and prosthetic diagnostic principals for treatment of the severely atrophied maxilla. The All-on-4®, Treatment concept and Zygoma implant were developed to treat patients without the use of bone grafting techniques. The avoidance of grafting allows many more patients to accept treatment. Both treatment concepts will be discussed in detail. The participants will be introduced to the armamentarium and surgical protocol for placement of Nobel Zygoma 45™ implants. The surgical steps for placement of implants to utilize the All-on-4® concept will be presented in depth. This presentation will also cover the various components and prosthetic steps used for the direct conversion of a full denture to a fixed implant-supported provisional prosthesis. All implants and skull models will available for the participants to place zygoma implants and to take back to their practice for reference.

Objectives:
At the end of this workshop participants should be able to:
1. Select cases for All-on-4® and Zygoma implants.
2. Understand the diagnostic principals in treatment of atrophic maxilla.
3. Be familiar with surgical technique for placement of zygoma implants.
4. Be familiar with surgical and prosthetic components available from Nobel Biocare.

Dr. Costa Nicolopoulos and Dr. Petro Yuvanoglu (1:00pm - 5:00pm) 4 CE Hours

Optimizing All-on-X with Osseodensification & Site Specific Implants

With the increased costs and patient morbidity due to bone grafting often required in full arch implant reconstruction, an increased patient resistance to implant treatment has been noted. In such patients with suboptimal bone volume, bone grafts can be avoided and treatment can be optimized and accelerated by placing site specific angled and wider implants in available bone. With good primary stability these implants can also be loaded immediately with same day teeth for immediate reconstruction and immediate function.

In this workshop, on training models, participants will perform extractions with immediate placement of site specific Southern Implants (Co-Axis & MAX) using Versah Osseodensification drills to optimize the case for immediate loading.

Learning objectives:
At the end of this workshop participants should be able to:
1. Understand the benefits of using site specific angled Co-Axis & immediate replacement molar specific MAX implants in full arch implant reconstructions with immediate function.
2. Identify cases suitable for Co-Axis & MAX implants.
3. Understand the surgical techniques for placement of Co-Axis & MAX implants.
4. Use Versah Osseodensification in order to optimize the case with primary stability for immediate loading.
“Wow! What wonderful sessions we have had all three days! An eye-opener which has helped one realize how much more there is to learn on implantology and bone grafting.”

Dr. Ramesh Raja, GP
Lloydminster, SK CANADA

“As an OMFS, I really appreciate Dr. Pikos' inclusion of other specialties of dentistry on the speakers panel. The cross-pollination is very helpful as it elevates dentistry!”

Dr. Rick Hurst, OMS
Nacogdoches, TX

“This course was a tremendous educational investment in clinical modalities for GBR. Total immersion in current evidence based techniques to facilitate improving the health and function of our patients.”

Dr. Pamela Adams, Prosth
Clearwater, FL

“Pikos Seminars are always 5 star programs!”

Dr. Sam Simos, GP
Bolingbrook, IL

“Well worth the time and expense. The quality of this course really serves to rejuvenate my interest in our profession. Very enjoyable and highly recommended!”

Dr. Julianna Hukill, OMS, Grand Blanc, MI

“Phenomenal lectures A-Z!”

Dr. Lindsay Eastman, Perio
Bradenton, FL
Pikos Symposium 2019

2019

Full Arch Immediate Implant Reconstruction: State of the Art

24 CE Hours

October 10-12, 2019

Early Registration (Main Session) $2695 US - Through June 26, 2019

Regular Registration (Main Session) $2995 US - After June 26, 2019

Please register me for Pikos Symposium 2019 Main Session Oct. 10-12, 2019

Please register me for optional Pre-Congress Hands-on Workshops: Wednesday, October 9, 2019

☐ 8:00 am – 12:00 pm ($595) Dr. Michael Pikos and Dr. Philip Hedger (4CE hrs)

☐ 1:00 pm – 5:00 pm ($595) Dr. Saj Jivraj and Dr. Hooman Zarrinkelk (4CE hrs)

☐ 1:00 pm – 5:00 pm ($795) Dr. Costa Nicolopoulos and Dr. Petro Yuvanoglu (4CE hrs)

☐ Please check enclosed (Made Payable to Pikos Institute. Tuition due at time of registration)

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This lecture, hands-on, and peer discussion based program is suitable to all dentists regardless of prior experience. Cancellations must be made in writing by August 16, 2019 to receive a refund. After August 16, 2019 there will be a $1000 cancellation fee. A $25 administrative fee will be charged for substituting a registrant.

Travel Costs: Pikos Institute is not responsible for reimbursing prepaid (including non-refundable) customer travel costs. It is recommended that attendees who elect to incur travel costs for a training course, schedule and purchase airfare and hotel accommodations with this in mind.
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