

2010 Corporate Forum Presentations

Session 1A

8:00 – 8:45 am

Astra Tech

Welcome to a Good Morning With Astra Tech – Moving Towards New Standards in Implant Dentistry

Moderator: Michael R. Norton, BDS, RCS

With modern technology and well-proven products, it is possible to recreate what nature once intended. However, old truths must be challenged along the way in order for new standards of success to be defined. Innovations in implant dentistry often require the need to adapt the way we think and act, but will ultimately benefit not only the dental practice but also the long-term care of the implant patient. Are you up to the challenge?

Reasons for Bone Loss Around Oral Implants and Suggestions for New Criteria of Success

Tomas Albrektsson, MD, PhD

Our old criteria stated that 1mm of bone may be lost in the first year and less than 0.2mm annually thereafter to call an implant successful. Today, many papers have reported alleged problems from peri-implantitis around implants, whereas others have incriminated overloading for the major part of noticed bone loss figures. However, when scrutinized, it seems like the reasons for peri-implant bone loss relates to the healing adaptation theory and that neither peri-implantitis nor overloading would be likely explanations in the great majority of clinical cases. Despite some bone loss being reported, results today seem better than those published 25 years ago. Is a revision of our criteria for success therefore needed? Should we be suggesting only 0.5mm of bone loss in the first year and 0.1mm annually thereafter as a suitable criterion?

BioHorizon

Impact of Surface Technology and Abutment Design on Implant Placement and Restorative Protocols

Scott D. Ganz, DMD

BIOMET 3i

Simplified Implant Impression Making Strategies

Stephen J. Chu, DMD, MSD

Conventional impression making systems for implant restorations can involve multiple time consuming and technique sensitive steps. Innovative strategies in 3-D spatial location at the implant level can be used with Encode® healing abutments to predictably register the internal hex of the implant. In addition, the use and design of customized zirconia abutments using Encode technologies will be presented.

DENTSPLY Tulsa Dental Specialties

TBD

Nigel Saynor, BDS

Medtronic

Correlating the Class of Defect With the Appropriate Bone Grafting Technology – rh BMP-2 to Allograft and Synthetic

Craig M. Misch, DDS, MSD

Nobel Biocare

Immediate Placement – Immediate Provisionalization in the Esthetic Zone

Joseph Y. Kan, DDS, MS

This evidence-based presentation will focus on current principles and philosophies on immediate tooth replacement in the esthetic zone. In addition, the benefits of various implant design, platform shifting and connective grafts on such procedures will be discussed.

Piezosurgery

TBD

Straumann

Straumann Guided Bone Regeneration Solutions (TBC)

Christoph Hämmerle, DMD

Zimmer Dental

Minimally Invasive Techniques in Implant Site Development

Bach T. Le, DDS, MD

2010 Corporate Forum Presentations

Session 1B

9:00 – 9:45 am

Astra Tech

Short and Narrow Implants – Minimally Invasive Alternative to Grafting for Management of Compromised Sites

Homayoun H. Zadeh, DDS, PhD

There is often some degree of atrophy in sites where implants are to be placed. Pathologic conditions such as periodontitis, endodontic infections, or trauma can have a considerable impact on the alveolar ridge, causing horizontal or vertical bone resorption. One solution for the treatment of alveolar ridges with compromised horizontal and vertical height is the use of narrow or short implants. The major advantage of narrow and short implants is to obviate the need for more invasive grafting procedures, thus making implant therapy feasible for a wider number of patients. There is considerable scientific evidence in support of short and narrow implants which have demonstrated favorable clinical results comparable to standard-size implants. However, careful selection will be required to ensure appropriateness based on the functional and esthetic requirements of each case.

BioHorizon

Connective Tissue Attachment – A Paradigm Shift in Dental Implant Treatment

Myron Nevins, DDS

BIOMET 3i

Predictable Bone Augmentation to Enhance Clinical Success

Robert A. del Castillo, DMD

This presentation will provide the clinician with comprehensive knowledge of literature based on clinically supported information regarding site specific regeneration, grafting materials, membranes and combination therapies to achieve successful outcomes. An understanding of new technologies and materials in implant rehabilitation will be discussed.

DENTSPLY Tulsa Dental Specialties

Microgaps, Socket Healing and Their Influence on the Peri-Implant Hard and Soft Tissue Outcome – Implant Esthetics Revisited

Dietmar Weng, DMD

Medtronic

Correlating the Class of Defect With the Appropriate Bone Grafting Technology – rhBMP-2 to Allograft and Synthetics

Craig M. Misch, DDS, MSD

Nobel Biocare

Minimally Invasive or Conventional Surgical Approach?

Lesley David, DDS

There are many treatment options available for the treatment of the edentulous patient with minimal bone levels. This presentation will cover management of complex restorative solutions using short, narrow and long implants including placement in the zygomaticus, tilted implants and the latest generation of implant design. Digital solutions for diagnostics and treatment planning, as well as guided surgery for NobelActive, will be discussed.

Piezosurgery

Piezosurgery – State of the Art in Implantology

Tomaso Verelotti, MD, DDS

Straumann

Roxidol® – More Treatment Options in Placing Small Diameter Implants

Jan Gottlow, DMD, PhD

Zimmer Dental

Advances in Sinus Augmentation

Hom-Lay Wang, DDS, MSD

Refreshment Break in Foyer

9:45 – 10:15 am

2010 Corporate Forum Presentations

Session 2A

10:15 – 11:00 am

Ace Surgical

Osteocel – A Stem Cell Application for Implant Site Preparation and for Around Natural Teeth

Bradley S. McAllister, DDS, PhD

Astra Tech

Implants and a Digital Menu – Pursuing Excellence

Lyndon F. Cooper, DDS, PhD

This presentation will explore the integration of digital technologies in the pursuit of clinical excellence using dental implants. The technologies include 1) treatment planning with CBCT and related software; 2) a role for guided surgery; and 3) creation of prostheses including abutments and culminating in entire prostheses.

Today, we have begun to integrate all aspects of therapy (planning, surgery, prosthesis construction) in our digital world. The ability to gather clinical data to a central place for consideration of treatment options and the ease of digital manipulation to permit iterative consideration of different treatment plans are among the key attributes of integrated digital therapy. This presentation will illustrate how we are learning to work in a digital environment yet remain related to the biologic world. Different clinical scenarios will illustrate how we currently use digital technology to learn, teach and provide dental implant excellence.

BIOMET 3i

Guided Implant Surgery – Model-Based and CT-Generated Scenarios

Michael S. Block, DMD

Guided implant surgery utilizes a CT surgery kit with drill-specific handles and tubes to place implants in exact positions. After the restorative plan is devised, models can be used with appropriate scanning to place analogs and develop guided surgery stents in the laboratory. Another option is the use of CT scans and planning software to generate guide stents. This presentation will demonstrate multiple cases involving both model-based and CT-generated guide stents in highly esthetic situations, and in patients whose bone width and height is compromised.

Keystone Dental

Predictable Bone Regeneration in Alveolar Defects – Securing the Future of Teeth and Implants

Monish Bhola, DDS

Neoss

Influences of Implant Design and Surface Properties on Osseointegration and Implant Stability at Early/Immediate Loading

Jan Gottlow, DDS

Several factors influence the immediate and long-term stability of dental implants. At the time of implant placement, the achievement of mechanical stability is related to the macro design of the implant, the surgical technique applied, and the density of the bone. Later, during the healing phase, it is the surface properties of the implant that will influence the biological response that follows. Histological studies in humans and animals have shown enhanced bone response to modified surfaces when compared to the traditional machined implant surface. This presentation will examine the emergence of novel implant surfaces and will guide the clinician through what is good, what is bad, what is evidence-based, and what is clever marketing by the industry. The Neoss Proactive surface will be introduced and its osteoconductive properties with enhanced bone growth at the implant-bone interface will be demonstrated.

Nobel Biocare

Current Biological Trends in Soft Tissue Esthetics

Sascha A. Jovanovic, DDS, MS

This presentation will discuss the current indications, materials and methods for hard and soft tissue grafting. The latest protocols for soft tissue management will be presented including both preservation and development of the papilla for a long-lasting esthetic outcome.

Osteohealth

Clinical Application of Xenograft Materials in the Regeneration of Soft and Hard Tissue

Jaime L. Lozada, DMD

This presentation will describe the various clinical applications of xenograft material in preparation and during the placement of dental implants. Special emphasis will be placed on the presentation of clinical techniques and outcomes with the use of this material in the esthetic zone and in compromised clinical scenarios such as deficient ridges and the pneumatized maxillary sinus.

2010 Corporate Forum Presentations

Session 2A (continued)

10:15 – 11:00 am

Straumann

Digital Interdisciplinary Implant Dentistry – Part I

Frank L. Higginbottom, DDS; Thomas G. Wilson Jr., DDS; & Jeff Singler, CDT

Zimmer

The Future of Dental Implant Materials – Moving From Bone Ongrowth to Ingrowth

Georgios E. Romanos, DDS, DMD, PhD

Session 2B

11:15 am – noon

Ace Surgical

Osteocel – A Stem Cell Application for Implant Site Preparation and for Around Natural Teeth

Bradley S. McAllister, DDS, PhD

Astra Tech

Implants in Compromised Sites

Bach T. Le, DDS, MD

The esthetic demand in implant dentistry is ever growing. Simply having an implant integrated and restored is no longer the only benchmark for success. Esthetic management of the hard and soft tissue is of paramount importance in a successful implant practice. Unfortunately, the extraction of teeth results in alveolar bone loss due to resorption of the edentulous ridge. Up to 40-60% of alveolar bone width and height can be lost within the first year after tooth extraction. This reduction in bone volume can negatively affect the edentulous site for future implant placement. Even a small amount of labial ridge contraction, although adequate for implant placement, can result in compromised esthetics.

Numerous techniques, protocols, and materials in hard and soft tissue grafting have been described to manage compromised sites of varying severity. The protocols and techniques employed should be predictable, minimally invasive, esthetic and lasting. This evidence-based discussion will include the latest techniques in esthetic site development of the compromised implant site. Clinical cases will demonstrate how implant design can complement grafting procedures to maintain long-term health of hard and soft tissues.

BIOMET 3i

Integrating Biomechanical and Biological Aspects Into Clinical Practice

Tiziano T. Testori, MD, DDS

This presentation will focus on the clinical procedures of site preparation to simplify the steps leading to an optimal primary implant stability. The lecture will also provide practical guidelines on how to choose the implant design that best fits the clinical situation along with the surgical technique in immediate implant placement. The biomechanical and biological aspects of high primary implant stability and pressure necrosis related to clinical practice will also be covered.

Keystone Dental

Utilization of Dynablast & Dynamatrix to Replace Autogenous Harvest of Bone and Gingiva

Myron Nevins, DDS

Neoss

Minimally Invasive Surgery and Establishing a Proper Emergence Profile - What's In Your Armamentarium?

William Becker, DDS

Implant placement using immediate implant placement or minimally invasive surgery are established, predictable procedures. What is lacking is the where and how to establish a proper emergency profile once the implant has integrated. We will present step-by-step protocols for achieving predictable outcomes for minimally invasive surgery as well as how to achieve an esthetic soft tissue result following establishment of soft tissue emergence profiles. New healing abutments as well as impression copings will be presented. The emergence profile protocol was developed together with Dr. John Doerr and Neoss Implant Systems.

2010 Corporate Forum Presentations

Session 2B (continued)

11:15 am – noon

Nobel Biocare

Fixed or Removable Restorations – What's Ideal for Today's Patient?

Markus Blatz, DMD, PhD

This presentation will cover newly introduced restorative options based on the latest CAD/CAM technology, for both fixed and removable restorations. Newly available options in crowns, abutments and bridges in biocompatible materials will be discussed, along with versatile options for overdenture bars.

Osteohealth

Selection of Appropriate Bone Grafts and Bone Substitutes for GBR Procedures

Daniel Buser, DDS, DMD

Straumann

Digital Interdisciplinary Implant Dentistry – Part II

Frank L. Higginbottom, DDS; Thomas G. Wilson Jr., DDS; & Jeff Singler, CDT

Zimmer

10 Years of Successful Ingrowth – An Orthopedic Clinical Perspective

Brett Levine, MD