Controversies and Innovations in Implants and Esthetics

August 1 – 4, 2013

Course Itinerary

Thursday, August 1

07:25 am Meet in Lobby for shuttle from Marriott San Mateo to IDEA
07:45 am Breakfast at IDEA
08:30 am – 12:00 am Lecture:
Biology of Osseointegration
1. What is Osseointegration? - Light microscope and electron microscope
2. How does time and loading effect the bone implant interface?
3. How does height and width of surface peaks effect the amount of bone deposition and speed of integration?
4. How does HA effect short and long term healing of bone and soft tissues?
5. Should we be blasting surfaces, etching them or coating them?
6. How does thread pattern and pitch on implant effect placement and loading time in different bone densities?
7. Internal versus External Connections- Pros and Cons of Each
12:00 pm – 01:00 pm Lunch
01:00 pm – 05:30 pm Lecture:
1. Medical Aspects of Implant Success: Diabetes, Age (young and old), osteoporosis, prior radiation treatment, long term prednisone use, smoking, and recalcitrant periodontal patients
2. Length and Width of implants
3. Effect of Biologic Width on Implant Design and Placement Procedures
4. Tapered vs. Straight Side Screws - Placement differences
5. What are the long term periodontal results of different implant levels of surface roughness?
7. Heat Production from Drilling (Is 37 degrees really true?)
8. Effect of Pressure on Bone during Insertion
9. Attached Gingival- Do we need it for long term success around all implants?
10. When to extract a tooth and place an implant or try to save it
05:30 pm – 07:45 pm Welcome Dinner at IDEA
07:45 pm  Shuttle from IDEA to the Marriott San Mateo

Friday, August 2

07:25 am  Meet in Lobby for shuttle from the Marriott San Mateo to IDEA
07:45 am  Breakfast at IDEA
08:30 am – 12:00 am  Lecture:
   Immediate vs. Delayed Socket Placement
   a. Time Savings
   b. Cost Effectiveness
   c. Esthetic Considerations
      i. Interproximal and Buccal Height of Tissue
   d. Clinical Healing
   e. Histologic Healing - The Critical Gap Distance (Is it valid?)

   Socket Management and Crestal Bone Resorption
   a. Type 1 - Buccal plate present and soft tissue present at time of extraction
   b. Type 2 - Buccal plate missing and soft tissue present
   c. Type 3 - Buccal plate missing and soft tissue

   Bone graft materials
   a. Autogenous
   b. Xenografts
   c. Allografts
   d. Synthetics

   Membranes
   a. Non-Absorbable - Advantages and Disadvantages
   b. Absorbable - Collagen
   c. Synthetic
   d. Times of absorption and by products of absorption

12:00 pm – 01:00 pm  Lunch
01:00 pm – 05:30 pm  Lecture:
   Overdentures and Implants
   a. Maxilla vs. Mandible
   b. For Partial Edentulismc. Esthetic Considerations
   c. Esthetic Considerations
   d. Alveolar Ridge Resorption Considerations
      i. Psychological Considerations
      ii. Hygiene Considerations
      iii. Combination Syndrome
      iv. Types of Bars - Rotational, Non Rotational
      v. Types of Attachment - Locators, ERA, Ball
      vi. Phonetic Consideration

   Ridge Augmentation
   a. Particulate Grafts
   b. Block Grafts
   c. Membranes
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d. Horizontal Augmentation
e. Vertical Augmentation
f. Distraction Osteogenesis

**Occlusion and Loading of Implants vs. Teeth**

- Immediate Loading - Full arch cases, partially edentulous cases, and for single teeth
- Early Loading
- Delayed Loading
- Progressive loading
- Occlusal overload during healing and after osseointegration.
- Occlusal Materials - Porcelain, vs. Acrylic vs. Metal
- Splinting to Natural Teeth
- Splinting to Other Implants
- Styles of Occlusion
- Cement vs. Screw Retained Crowns- pros and cons of each

05:45 pm
Shuttle from IDEA to Marriott San Mateo

**Saturday, August 3**

07:25 am
Meet in Lobby for shuttle from the Marriott San Mateo to IDEA

07:45 am
Breakfast at IDEA

08:30 am – 12:00 pm
Lecture:

**Peri-Implantitis**

- Types of Bacteria
- Pathway of Inflammation around Teeth vs. Implants
- Surface Textures Effect - Short and Long term on Bone and Soft Tissues
- Repair vs. Re-Osseointegration
- Treatment Alternatives
- Prosthetic Treatment Planning Considerations
- Platform switching – What it does and does not do.

**Sinus Lift Procedure**

- Incision Design
- Instrumentation to Lift the Membrane
- How to Deal with Underwood's Clefts
- When to Make 2 Windows and How
- Types of Graft Materials
- Simultaneous vs. Delayed Implant Placement
- Implant Design for the Best Outcomes*

12:00 pm – 01:00 pm
Lunch

01:00 pm – 05:45 pm
Hands-on portion for implant placement

1. Tapered vs. Straight Screws
2. Sinus Lift Window Procedure
3. Osteotome Procedure

05:45 pm
Shuttle from IDEA to Marriott San Mateo
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Sunday, August 4
07:25 am Meet in Lobby for shuttle from the Marriott San Mateo to IDEA
07:45 am Breakfast at IDEA
08:30 am – 12:00 pm Lecture:
   The Serial Extraction Case
   a. Case Selection
   b. Advantages and Disadvantages of the Serial Case
   c. Special Provisionalization Techniques
   d. Sequence of Therapy- Selective Extractions
   e. Periodontal Considerations
   f. Endodontic Considerations
   g. Transitional Implants
   h. Immediate vs. Delayed Socket Placement
12:00 pm – 01:00 pm Lunch
01:00 pm – 05:30 pm Lecture:
   Esthetics and Implants
   a. The Interdental Papilla Between Teeth
   b. The Interdental Papilla Between Teeth and Implants
   c. The Interdental Papilla Between Two Adjacent Implants
   d. Forced Eruption for Site Development
   e. Buccal-Lingual Placement Considerations
   f. Mesial-Distal Placement
   g. Occlusal-Gingival Placement
   h. Putting it all Together- The Three Dimensional Placement
05:30 pm - -07:45 pm Graduation Ceremony and Celebration Dinner at IDEA
07:45 pm Shuttle from IDEA to Marriott San Mateo

“Having 4 days to spend in a small group with Dennis Tarnow was awesome and invaluable. Bob and Dennis – you both did a great job. Thank you.”

Dave Jolkovsky, Periodontist, Davis, CA

“Taking this course with Dr. Tarnow "boosted" my knowledge. He organized all the information and techniques I've seen in other courses and made me understand which I should use and why. He is a master surgeon, researcher and teacher.”

Xiaowen Zhang, Prosthodontist, Buenos Aires, Argentina