



## Dennis P. Tarnow, D.D.S.

### Controversies and Innovations in Implants and Esthetic Dentistry - What we know, What we think we know and What we still don't know

July 25 - 28, 2019

#### Course Itinerary

##### Thursday, July 25

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07:25 am	Meet in the lobby for shuttle from the Hotel Pullman San Francisco Bay to IDEA
07:45 am	Breakfast at IDEA
08:30 am – 01:00 pm	Lecture: <b>Biology of Osseointegration</b> <ul style="list-style-type: none"><li>• The latest concepts for implant design from the abutment connection to the tip of the implant</li><li>• What is the best surface texture for integration to be maximized? Is there such a thing as too rough?</li><li>• Does internal vs. external really make a difference?</li><li>• Controversy about the use of Bisphosphonates and Serotonin Uptake inhibitors (SSRIs) and their effect on implant success and survival</li><li>• What is Osseointegration? - Light microscope and electron microscope</li><li>• How does time and loading effect the bone implant interface?</li><li>• How does height and width of surface peaks effect the amount of bone deposition and speed of integration?</li><li>• How does HA effect short and long term healing of bone and soft tissues?</li><li>• Should we be blasting surfaces, etching them or coating them?</li><li>• How does thread pattern and pitch on implant effect placement and loading time in different bone densities?</li><li>• Internal versus external connections - pros and cons of each</li></ul>
12:30 pm – 01:30 pm	Lunch
02:00 pm – 05:30 pm	Lecture: <b>Medical aspects of implant success:</b> <ul style="list-style-type: none"><li>• Diabetes, age (young and old), osteoporosis, prior radiation treatment, long term pregnisone use, smoking, and recalcitrant periodontal patients</li><li>• Length and width of implants</li><li>• Effect of biologic width on implant design and placement procedures</li><li>• Tapered vs. straight side screws - placement differences</li><li>• What are the long term periodontal results of different implant levels of surface roughness?</li><li>• Crestal vs. muco-buccal fold incisions. Pros and cons of each O.R. sterility vs. office sterility. Reflected flap versus punch versus true flapless surgery</li><li>• Heat production from drilling (Is 37 degrees really true?)</li><li>• Effect of pressure on bone during Insertion</li></ul>



- Attached gingival - do we need it for long term success around all implants?
- When to extract a tooth and place an implant or try to save it?

05:30 pm – 07:00 pm

**Welcome Reception and “Networking” Dinner at IDEA**

07:00 pm

Shuttle from IDEA to the Hotel Pullman San Francisco Bay

## Friday, July 26

07:25 am

Meet in the lobby for shuttle from the Hotel Pullman San Francisco Bay to IDEA

07:45 am

Breakfast at IDEA

08:30 am – 01:00 pm

Lecture:

### **Immediate vs. Delayed Socket Placement**

- Socket Shield Therapy and PET (Partial Extraction Therapy) - What are the potential benefits and shortcomings of this new technique?
- Use of PDGF, PRP, PRF and BMP-2 other growth factors in implant therapy. Are they vital to the outcome short and long term for sockets, ridge augmentation and sinus lifts?
- Time savings, Cost effectiveness
- Esthetic considerations - interproximal and buccal height of tissue
- Clinical healing -histologic healing- the critical gap distance (is it valid?)

### **Socket Management and Crestal Bone Resorption**

- Type 1- Buccal plate present and soft tissue present at time of extraction
- Type 2- Buccal plate missing and soft tissue present
- Type 3- Buccal plate missing and soft tissue

### **Bone graft materials**

- Autogenous
- Xenografts
- Allografts
- Synthetics

### **Membranes**

- Non-Absorbable- Advantages and Disadvantages
- Absorbable- Collagen
- Synthetic
- Times of absorption and by products of absorption"

01:00 pm – 02:00 pm

Lunch

02:00 pm – 03:00 pm

Lecture:

### **Overdentures and Implants**

- When to use an overdenture vs. a fixed hybrid vs. a fixed bridge,
- Use of porcelain fused metal vs. Zirconia frameworks. One piece construction vs framework with porcelain veneering
- Treatment planning for fixed anterior bridgework supported by implants with a distal extension partial vs. an overdenture

- Maxilla vs. mandible for partial edentulous esthetic considerations
- Esthetic considerations
- Alveolar ridge resorption considerations
- Psychological considerations
- Hygiene considerations
- Combination syndrome
- Types of bars - rotational, non-rotational
- Types of attachment - locators, ERA, ball
- Phonetic consideration"

**Ridge Augmentation**

- Particulate grafts
- Block grafts
- Membranes
- Horizontal Augmentation
- Vertical augmentation
- Distraction osteogenesis

03:00 pm – 03:30 pm

**Break**

03:30 pm - 06:30 pm

**Hands-on:****Implant placement**

- Placement of implants into healed ridges and immediate sockets. This will include using wide body implants placed into molar extraction sockets
- The Ice cream cone technique for type 2 sockets and where delayed placement is indicated
- Dual Zone grafting of sockets
- Co-Axial Implant placement for immediate anterior sockets to avoid cement problems
- Implant placement and flap design
- Some thoughts on suturing
- Implant placement in healing ridge
- Implant placement in fresh socket
- Grafting fresh socket

07:00 pm

Shuttle from IDEA to the Hotel Pullman San Francisco Bay

**Saturday, July 27**

07:25 am

Meet in the lobby for shuttle from the Hotel Pullman San Francisco Bay to IDEA

07:45 am

Breakfast at IDEA

08:30 am – 12:30 pm

Lecture:

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

- All on 4 , 5, or 6. The pros and cons of this treatment
- Styles of Occlusion - Cuspid Guidance vs. Group Function vs. Balanced occlusion
- Splinting to natural teeth, how to avoid it, how and when to do it to avoid intrusion of the natural 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

**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.

01:00 pm – 02:00 pm

Lunch

02:00 pm – 03:00 pm

Lecture:

**Sinus Lift Procedures**

- Osseodensification bur use for vertical sinus lifts
- Piezotome use for lateral windows to help prevent sinus perforation
- Timing for healing, when to wait 3, 6 or 9 months before implant placement
- What is the rate of Ossification of the graft placed into the sinus
- What % of vital new bone is needed to successful loading of implants placed into sinus grafts
- 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

03:00 pm – 03:30 pm

Break

03:30 pm - 06:30 pm

Hands-on:

**Sinus lift procedures**

- Use of osseodensification burs to do vertical sinus lifts
- Use of Piezo special burs to lift the membrane and decrease change of perforations
- Simultaneous placement of implants into grafted sinus
- Sinus lift - lateral window procedure
- Sinus lift - osteotome procedure

07:00 pm

Shuttle from IDEA to the Hotel Pullman San Francisco Bay



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**Sunday, July 28**

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07:25 am	Meet in the lobby for shuttle from the Hotel Pullman San Francisco Bay to IDEA
07:45 am	Breakfast at IDEA
08:30 am – 01:00 pm	Lecture: <b>The Serial Extraction Case</b> <ul style="list-style-type: none"><li>• How to simplify treatment planning in the most complicated cases</li><li>• How to avoid removable partials and dentures in treatment planning using innovative fixed temporization techniques</li><li>• Case selection</li><li>• Advantages and disadvantages of the serial case</li><li>• Special provisionalization techniques</li><li>• Sequence of therapy - selective extractions</li><li>• Periodontal considerations</li><li>• Endodontic considerations</li><li>• Transitional implants</li><li>• Immediate vs. delayed socket placement</li></ul>
12:30 pm – 01:30 pm	Lunch
02:00 pm – 04:00 pm	Lecture: <b>Esthetics and Implants</b> The interdental papilla between teeth The interdental papilla between teeth and implants The interdental papilla between two adjacent implants Forced eruption for site development Buccal-lingual placement considerations Mesial-distal placement Occlusal-gingival placement Putting it all together- the three dimensional placement
04:00pm – 5:30pm	Lecture: <b>Management of Esthetic problem cases</b> Putting it all together into a comprehensive and properly times sequence of therapy The Ultimate level of knowledge and skill for the ultimate esthetic outcome for our patients
05:30 pm - 07:00 pm	<b>Graduation Ceremony and Celebration Dinner at IDEA</b>
07:00 pm	Shuttle from IDEA to the Hotel Pullman San Francisco Bay

*"After 25 years of hearing Dr. Tarnow at the podium, the opportunity to spend 4 days with him in a small group learning session was PRICELESS. The IDEA facility and team did a fantastic job hosting such a great workshop. Thank you!"*

Jeanne Salcetti, Periodontist, Colorado Springs, CO

*"My first course at IDEA. Admit I am a CE junkie, this course represents best in clinical, scientific and money making concepts than I have had in 32 years!"*

Doug Forbes, General Practitioner, Columbia, SC