



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 29 – August 1, 2021

Course Itinerary

Thursday, July 29

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



- 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 30

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 31

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



Sunday, August 1

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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: The Serial Extraction Case <ul style="list-style-type: none">• How to simplify treatment planning in the most complicated cases• How to avoid removable partials and dentures in treatment planning using innovative fixed temporization techniques• Case selection• Advantages and disadvantages of the serial case• Special provisionalization techniques• Sequence of therapy - selective extractions• Periodontal considerations• Endodontic considerations• Transitional implants• Immediate vs. delayed socket placement |
| 12:30 pm – 01:30 pm | Lunch |
| 02:00 pm – 04:00 pm | Lecture: Esthetics and Implants 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: Management of Esthetic problem cases 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 | Graduation Ceremony and Celebration Dinner at IDEA |
| 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
