

Implant Treatment Planning For Single Tooth, Fixed Partially Edentulous, & Completely Edentulous Patients

Instructors: John A. Sorensen, DMD, PhD & Dennis G. Perala, DMD, MS

A. Lecture- *Prosthetically Driven Implant Placement* –

- Understand the osseous & soft-tissues healing process post extraction
- Radiographic evaluation
 - Intraoral radiographs, calibrated digital measurements
 - Panoramic radiographs
 - Cone beam CT radiography – Interpretation, analysis & measurements
 - Simplant, Facilitate & Nobel Guide - Virtual surgery and surgical guide design & fabrication
- Site assessment
- Understand the indications, contraindications, risks and benefits of both soft- and hard-tissue grafting procedures
- Dimensions and anatomic landmarks for fixture placement
- Predictable Peri-Implant Esthetics → Diagnostic aids for esthetic soft tissue results
- Assess biologic, biomechanical, prosthodontic and esthetic risk factors
- Contraindications to implant placement and high risk of failure situations
- Clinical selection criteria for choice of implant design, shape, length, surface treatment and number of stages needed for a given clinical situation
- Treatment planning & sequencing implant treatment
- Diagnostic workup
- Dentist – Surgeon communication
 - Getting the surgeon to place the implants where you need them
- Surgical guide fabrication
- Understand & implement selection of single stage vs two-stage vs immediate loading of fixtures

B. Hands-On - Make radiographic stents and surgical stents to achieve predictable implant placement

- a. Study Cast Analysis - Model Mapping for Planning Implant Placement
- b. Surgical Guide Fabrication Workshop
- c. Digital Photography & Image Management (Bring your camera & computer)
 - Clinical Photography
 - Digital Image and File Management

C. Group Treatment Planning Session on Participants' Patients

- Bring patients' diagnostic casts, radiographs, charting & photographs

**Exodontia, Socket Preservation, Bone Grafting, Essential Elements of Surgery
Lecture, Hands-on & Clinical Surgery Session**

Instructors: Dennis G. Perala, DMD, MS & John A. Sorensen, DMD, PhD

A. Lecture- Dr. Perala –

- Medical Hx
- Indications/Contraindications for Implant placement
- Review of relevant head and neck anatomy
- Vital anatomic structures encountered during soft and hard tissue surgery
- Exodontia
- Periosteal usage and atraumatic exodontia
- Preservation of osseous structure during extractions
- Bone biology, bone healing & physiologic considerations
- Bone quality classifications I – IV
- Flap design to allow for primary closure
- Instrumentation
- Bone grafting material rationale and selection
 - DFDBA
 - CaS (Calcigen)
 - PRP, Gem 21, or Emdogain
- Ridge augmentation
 - flap design changes
 - membranes
 - tacks
 - think and plan in the third dimension for optimal results
- Connective tissue grafting
 - double blade vs: trap door
 - ideal harvest areas
 - stent for healing

B. Clinical Session – Exodontia, grafting, socket preservation on participants' patients
- Ridge augmentation and connective tissue grafting

C. Group Treatment Planning of Next Session Surgery on Participants' Patients

**Implant Placement in Completely Edentulous Patients.
Lecture, Hands-On Implant Typodont Surgery & Implant Surgery Session**

Instructors: Dennis G. Perala, DMD, MS & John A. Sorensen, DMD, PhD

**A. Lecture- Dr. Perala – Implant Treatment Planning, Principles & Treatment of
Completely Edentulous & Partially Edentulous Removable Patients**

- RADIOGRAPHIC evaluation
 - Cone Beam vs Pano/PA
- Flap Design changes
- Flapless approach ?
 - harder or easier ? – why, why not
- Hazards : angled roots, mental foramen, sinus
- How are we gonna restore this ?
- Fixed, removable, access screws, attachments
- Maxilla angled abutments
- UCLA options vs cemented
- OSSEOSET setup and preparation
- IMPLANT SYSTEM STEP BY STEP
 - Branemark Groovy
 - Replace tapered Groovy
 - NobelActive
- Healing abutment selection
 - Wide vs normal
 - Height concerns
 - Tightness of healing abutment
 - What happens if it falls off?
 - Sonicare brushes

B. Hands-on Typodont Implant Surgery ->

- Flap design
- Incisions & flap elevation
- Osteotomy & drill sequencing
- Implant placement & seating to correct position
- Grafting
- Flap closure
- Suturing

C. Clinical Session - Surgical Implant Placement on Participants' Edentulous Patients

D. Group Treatment Planning of Next Session Surgery on Participants' Patients

Extractions & Single Immediate Implant Placement Lecture & Clinical Surgery Session

Instructors: Dennis G. Perala, DMD, MS & John A. Sorensen, DMD, PhD

A. Lecture

- Ideal patients for immediate implant placement
- Indications/contraindications for immediate placement
- Infection present/cystic tissue/defect we have to deal with
- Site selection
- Periosteal usage and atraumatic exodontia
- Tricks of extraction to preserve buccal bone
- Full flap or keep the papilla intact?
- Starter drill location and techniques
- How much surface area in NEW bone?
 - Will this hold?
 - Did you achieve sufficient torque and stability for an immediate temporary?
- DRILL SEQUENCE
 - What steps do we skip from normal?
- Fixture selection and tapered vs straight
- Immediate abutment and how to alter if needed
- Defect filling with graft
- Emdogain
- Soft tissue concerns
- Modifications of immediate abutment sheath
- Abutment & temporary prosthesis materials selection
- Principles of immediate implant & immediate temporary crown placement
- Techniques for rapid & efficient temporary crown fabrication

- ### B. Clinical Session - Extractions, Implant Placement, Grafting, Immediate Provisionalization on Participants' Patients
- Primarily anterior & premolar immediate procedures
 - Variety of surgical treatments base on patients' needs

- ### C. Group Treatment Planning of Next Session Surgery on Participants' Patients

Implant Placement In The Maxillary Sinus Areas Lecture & Implant Surgery Session

Instructors: Dennis G. Perala, DMD, MS & John A. Sorensen, DMD, PhD

A. Lecture – Dr. Perala

- **Anatomy of the sinus**
 - **Membrane, spikes, septa, pathology**
- **Bone quality and quantity**
- **Sinus Lift**
 - **Healing and delayed placement**
 - **BioOSS**
 - **Gem21**
 - **Mectron piezotome**
- **Osteotome**
 - **Single site and small amount of push up**
 - **Greater the distance of elevation, the greater risk of perforation**
- **Sinus Bump – OFFSET osteotome**
 - **How much bone is needed?**
 - **How far can we push up?**
- **Antibiotic selection for sinus**
 - **Biaxin or Augmentin**
- **Complications**

B. Clinical Session - Sinus bump & Implant Placement, Grafting on Participants' Patients

- **Primarily anterior & premolar immediate procedures**
- **Variety of surgical treatments base on patients' needs**

C. Group Treatment Planning of Next Session Surgery on Participants' Patient

**Principles of Full Arch Implant Placement & Immediate Fixed Provisionalization
Lecture & Implant Surgery Session**

Instructors: Dennis G. Perala, DMD, MS & John A. Sorensen, DMD, PhD

A. Lecture- Drs. Sorensen & Perala –

- Prosthodontic Implant Treatment Planning, Principles & Treatment of Completely Edentulous & Partially Edentulous Removable Patients
- Complete denture concepts – You can't place the implants if you don't know where the teeth are supposed to be
- Occlusion for edentulous & dentate patients
- Cone beam CT assisted treatment planning
 - how do we transfer this data to the patient's mouth?
- Treatment options for the completely edentulous patient
- Osteotomy- The often overlooked key to success with full arch implant supported prostheses
- Sequencing treatment- From extractions to temporary denture to definitive prosthesis
- Process & design principles for conversion of complete denture to provisional fixed prosthesis
- Special considerations and torque requirements
- Bone grafting and managing defects all over the place.
- Tissue closure
- Abutment selection due to immediate cross-arch stabilization needs
 - Who do we sleep and why ?

B. Video of Patient Treatment- Drs. Perala & Sorensen

- > Surgery - Extractions and Immediate Implant Placement
- > Prosthodontics – Conversion & delivery of Immediate Provisional Full-arch Fixed Prosthesis

C. Clinical Session – All surgical procedures on participants' patients

6:00 Cocktail party

7:30 Graduation dinner

- Compliments of PDI
- Location TBA

For information & to confirm availability 503-639-5136 or ce@pacdent.com

To ensure maximum learning experience, course attendance limited to maximum of 15 attendees for most of sessions.

2009 Implant Surgery Mini-Residency Fee Structure		
Session	Category	Fee
1.	6 - Session Course Tuition	\$2,800
2.	Participant surgical extraction & socket preservation	\$400
3.	Participant surgical osseous grafting procedure per site	\$400
4.	Participant Surgical Implant Placement- 1 st Implant	\$1,500
5.	Participant Surgical Implant Placement- Each additional Implant	\$800
6.	Participant fabrication of immediate provisional prosthesis	\$250
<p>For all of the above procedures everything is provided by PDI including all hand instruments, surgical instruments, digital intraoral & panoramic radiographs, implant surgical kit, implant motors, grafting materials, implant fixtures, healing abutments, sutures, consumables, immediate temporary abutments & materials.</p>		

Tuition must be received for valid registration.

For payment make checks payable to Pacific Dental Institute or credit card charge on-line.

Name: *last* _____, *first* _____

Address: _____

Tel _____, Fax _____, email _____ *city* _____ *state* _____ *zip code* _____

Visa & Mastercard accepted:

Credit Card # _____ Expiration Date _____ 3-Digit Security Code _____

Billing Address _____ Amount to be charged _____

Name on card _____ Signature of card holder _____

Cancellation Policy: Confirmed registrants unable to attend may obtain a refund (less a 10% processing fee) by notifying PDI 21 days prior to course date. Cancellations from 1 – 3 weeks prior will be refunded 50% of the full registration fee. Cancellations of less than 1 week and no-shows will not be refunded. PDI reserves the right to cancel a course with a full fee refund. PDI will not be responsible for expenses incurred by the registrant.