



## 2009 Clinical Implant Continuum

### Faculty

John A. Sorensen, DMD, PhD	Prosthodontist
Dennis Perala, DMD	Periodontist & Implant Surgeon
Kyle Kuhns, MDC	Master Dental Ceramist
Kenji Mizuno, CDT	Certified Dental Technician
Mike Wilson, BS	Technical Consultant, Photography & Digital Imaging

Small class size makes for extensive one on-one-training!

### 2009 CIC Course Schedule

8:00 am – 5:30 pm\*

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Mar 13	Apr 17	May 29	Oct 9	Nov 13	Dec 11
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**Course Goals:** Learn to treat implant patients in your office with confidence!

This continuum is aimed at making the participant comfortable and confident in most aspects of implant prosthodontics.

- Master site assessment, treatment planning & treatment sequencing skills
- Achieve predictable clinical results
- Optimize surgeon- restorative dentist communication
- Create natural esthetics
- Get the entire office staff on board with implant dentistry

### Course Objectives

- Establish a protocol & treatment planning sequence to consistently achieve predictable implant placement, prosthodontic restoration & life-like esthetic results.
- Be comfortable with the full gamut of implant dentistry from single tooth to partially edentulous situations to completely edentulous patients.
- Successfully communicate with the implant surgeon to achieve optimal implant placement
- Have research documented, evidence-based systematic practical approach to all phases of implant dentistry.
- Be comfortable with appropriate component selection, abutment & prosthesis design, materials selection & laboratory communication
- Techniques & technology for case photo documentation, before & after photos, patient presentation of treatment plans and internal marketing

*\* Participants can have their referring surgeon place the implants or have the PDI surgeon perform implant surgery*

## Implant Treatment Planning For Single Tooth & Fixed Partially Edentulous Treatment

Instructor: John A. Sorensen, DMD, PhD

### A. Lecture- *Prosthetically Driven Implant Placement* –

- Understand the osseous & soft-tissues healing process post extraction
- Radiographic evaluation, including CT
- 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. 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
  - Powerpoint Presentations

### C. Group Treatment Planning Session on Participants' Patients

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

Includes: Course manual, continental breakfast, lunch

Course Tuition -\$495

## **Implant Provisional Restorations: Lecture & Hands-on Course. and Implant Surgery Session**

**Instructors:** John A. Sorensen, DMD, PhD  
Dennis G. Perala, DMD, MS Periodontist- Implant Surgeon

### **A. Lecture- Dr. Sorensen - Implant Provisional Restorations**

- Biologic dimensions for optimized osseous & soft-tissue levels
- Ovate pontic concepts
- Provisional restoration design concepts
  - From top of implant
  - Socket form
  - Emergence profile
- Soft-tissue site development with provisional restorations
- Materials selection criteria
- Screw-retained vs. cemented
- Systematic methodologies for direct & indirect provisional fabrication
- Using the provisional restoration as a prototype for the definitive restoration
- Cast of provisionals provides 3D model for communicating final restoration design to technician
- Immediate provisionalization concepts and techniques
  - Non-functional single tooth provisional
  - Functional full arch fixed provisional prosthesis
- Technique for fabrication of custom impression coping from provisional restoration to record soft-tissue contours

**Lecture- Dr. Perala- Implant Treatment Planning & Grafting From a Surgeon' Perspective**

**B. Dr. Perala Surgery- Implant placement & grafting on participants' patients**

### **C. Hands-On Implant Provisional Workshop**

- a. Fabricate single central screw-retained implant crown
- b. Fabricate custom abutment & cemented crown
- c. Fabricate abutment supported 6-unit fixed partial denture

**D. Group Treatment Planning Session on Participants' Patients**

**Includes:** Course manual, components, materials, instruments, continental breakfast, lunch  
- Brasseler Temporary Adjustment & Polishing Kit included

**Course Tuition - \$565**

**Implant Treatment Planning, Principles & Treatment of Completely Edentulous Patients.  
Lecture & Implant Surgery Session**

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

Placement of only two implants can significantly improve the denture wearing patient's quality of life. A large variety of treatment options are available with 2 to 6 implants. This session will consider treatment planning and treatment options for the implant supported completely edentulous patient. Although current CAD/CAM generated surgical guides allow predictable implant placement & delivery of immediate full arch fixed prosthesis in a few hours, current systems require healed ridges in edentulous patients. In the instructors' practice they frequently extract multiple teeth, place multiple immediate implants and deliver an immediate fixed provisional prosthesis.

- A. Lecture- Dr. Sorensen – 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
  - Principles of determining vertical dimension of occlusion, jaw position, interocclusal records, tooth position
  - Occlusion for edentulous & dentate patients
  - Cone beam CT assisted treatment planning
  - Treatment options for the edentulous patient
  - Osteotomy- The often overlooked key to success with full arch implant supported prostheses
  - Treatment planning with implant surgeon
  - Sequencing treatment- From extractions to temporary denture to definitive prosthesis
  - Process & design principles for conversion of complete denture to provisional fixed prosthesis
- B. Video of Patient Treatment-**
- > Surgery - Extractions and Immediate Implant Placement
  - > Prosthodontics – Conversion & delivery of Immediate Provisional Full-arch Fixed Prosthesis
- C. Dr. Perala Surgery- Implant placement & grafting on participants' patients**
- D. Group Treatment Planning Session on Participants' Patients**
- Bring patients' diagnostic casts, radiographs, charting & photographs

**Includes: Extensive course manual, continental breakfast, lunch**

**Course Tuition -\$495**

## Laboratory – Dentist Synergy Day

Instructors: John A. Sorensen, DMD, PhD  
Kyle Kuhns, MDC  
Kenji Mizuno, CDT

**Technicians bring your doctor!**

**Doctors bring your technician!**

### Dentist – Technician Dialogue

#### A. Lecture

- Cemented vs. screw-retained implant prostheses
- Stock vs. custom abutments – Titanium , cast gold, PFM, zirconia
- Abutment & prosthesis design
- Single crown, fixed partial denture, hybrid FPD, tissue bar overdenture
- Abutment & prosthesis materials selection
- CAD/CAM abutments & frameworks
- Ceramic crown material selection criteria
- Shade selection & communication
  - Anterior vs. posterior
  - Opacity-translucency
  - Metal-ceramic vs. all-ceramic
  - Veneering porcelain: Powdered porcelain buildup, Press-on ceramics
- Multi-prosthodontic media cases
  - Often have full crown &/or veneer on teeth adjacent to implant
  - Design, materials & systems selection
- Design of occlusal surfaces, width of occlusal table
- Delivery, adjustment & cementation procedures
- Cement selection criteria
- How to make money doing sophisticated implant prosthodontics
- Dentist – technician communication
- Fixture level impressions allowing maximum flexibility & simplification of design
- Rapid & efficient implant model work
- The Prosthodontic Design Process -> Abutment selection, abutment design, cemented or screw-retained prosthesis?,
- Tissue emergence design considerations – esthetics, tissue support & biologically compatible & sustainable

## Laboratory – Dentist Synergy Day

**B. Dental Implant Dialogue Session**

**C. Patient Procedure Videos**

**D. Group Treatment Planning Session on Participants' Patients**

**This will be an open meeting at George Fox University, Tigard Campus.**

- Located across street from Pacific Dental Institute

Session will have commercial exhibits from implant manufacturers, digital imaging companies, & dental laboratories.

**Includes: Extensive detailed clinical & laboratory technique manual text book:**

**Sorensen JA. Contemporary Implant Prosthodontics Clinical & Laboratory Manual.  
continental breakfast, lunch**

**Course Tuition -\$285**



**Implant Uncovering Surgery, Soft Tissue Management, Temporization,  
Impressions. Lecture, Live-Patient & Participant Treatment Course**

**Dental Assistants Training Afternoon**

**Instructors:** John A. Sorensen, DMD, PhD  
Dennis G. Perala, DMD, MS  
Kyle Kuhns, MDC  
Kenji Mizuno, CDT  
Mike Wilson, BS

- A. Lecture-**
- Uncovering surgery principles & techniques
    - Simple biopsy punch technique
    - Second chance to build up soft tissue
      - Small flap design
      - Large flap design
  - Decision tree for “abutment & crown” or “screw-retained crown”?
  - Selection criteria for prefabricated abutment or custom abutment
  - Abutment design
  - Fabrication of temporary restorations
    - Materials & system selection criteria
    - Design criteria
    - Direct fabrication techniques
    - Indirect fabrication techniques
  - Fixture level impression techniques
    - Jaw relations and occlusion
    - Shade selection & communication
  - Principles of occlusion for dentate patients
    - Principles of stable occlusion
    - What reference position to use? – Repeatability & Accuracy
    - Character of the intercuspal position & design
    - Anterior guidance
    - Jaw relations & interocclusal records
    - Occlusion for implant restorations
  - Design of occlusal surfaces, width of occlusal table

- B. Live Patient Treatment-** Live video from operatory to Teaching Theater
- Uncovering Surgery, Abutment Placement, Fabrication of Provisional Restorations, fixture level impressions



**Implant Uncovering Surgery, Soft Tissue Management, Temporization,  
Impressions. Lecture, Live-Patient & Participant Treatment Course**

**Dental Assistants Training Afternoon**

**C. Clinical Session- Participants Treating Their Own Patients**

- Abutment placement
- Fixture level impressions
- Fabrication of temporary abutments or temporary crowns
- Soft tissue site development

**D. Group Treatment Planning Session on Participants' Patients**

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

**E. Team Training Afternoon 2:00 – 4:30**

- Doctors' Dental Assistant training on implants
- Implant components
- Terminology
- Talking to patients about dental implants
- Dental assisting for implants

**Includes: Course manual, components, materials, instruments, continental breakfast, lunch**

**Course Tuition - \$425 Observing doctors/technicians  
TBD Treating doctors**



**Impressions & Delivery of Definitive Prostheses  
Lecture, Live-Patient & Participant Treatment Course**

**Instructors:** John A. Sorensen, DMD, PhD  
Kyle Kuhns, MDC  
Kenji Mizuno, CDT  
Mike Wilson, BS

- A. Lecture- - Steps in the delivery of fixed implant prostheses**
- Adjustment of proximal contacts
    - Shim stock marking material
    - Securing prosthesis with abutment screw
  - The “feel” of the abutment screw as tightening
  - Soft tissue- prosthesis adaptation
  - How much pressure on soft tissues?
    - Tissue blanching
  - Esthetic contours
    - Adjustment & polishing
  - Adjustment & refining of occlusion
    - Which articulating paper?
    - Relative degree of contact on implant prosthesis vs. adjacent natural teeth
    - Spheroiding of occlusal contact marks to refine occlusion
    - Lateral eccentric contacts
    - Steps in polishing
  - Confirming seating with radiographs
    - Trouble shooting
  - Torquing of abutment screws
  - Filling of screw access holes with gutta percha
  - Placement of composite occlusal filling
    - Shade/opacity selection of composite filling material
  - Cementation of crowns & bridges
    - Understanding seating complications from the cementation phenomena
    - Cement selection
    - Techniques to minimize leaving subgingival cement
    - Post-cementation radiographs
  - Maintenance
    - Trouble shooting & Solutions
    - Repair & modification
    - Failures
    - Surgical revisions
  - Marketing with doctor’s own patient treatment
    - Building a portfolio



**B. Live Patient Treatment- Live video from operatory to Teaching Theater**  
- Delivery of definitive prosthesis

**C. Clinical Session- Participants Treating Their Own Patients**  
- Delivery of definitive prosthesis

**D. Group Post-Treatment Review Session of Participants' Patients**  
- Post-operative photographs & radiographs

**Includes: Course manual, components, materials, instruments, continental breakfast, lunch.**

**Course Tuition -**  
**\$425 Observing doctors/technicians**  
**TBD Treating doctors**

**6:00 Cocktail party**

**7:30 Graduation dinner**      **For participants of all CIC sessions**  
- Compliments of PDI  
- Location TBA



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

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

**2009 Clinical Implant Continuum**

Session	Course	Date	Individual Course Tuition
1.	Implant Treatment Planning	March 13	\$495
2.	Implant Provisional Restorations	April 17	\$565
3.	Implant Treatment Edentulous Patient	May 29	\$495
4.	Laboratory – Dentist Synergy Day	October 9	\$285
5.	Uncovering Surgery, Soft Tissue Management, Temporization, Impressions	November 13	\$455
6.	Delivery of Definitive Prosthesis	December 11	\$455
			\$2,750
	If Sign-up all sessions -10% discount	Total	\$2,475

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 \_\_\_\_\_

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. In special cases the registration fee may be credited toward the next year's session.

## Participants Treating Their Own Patients In The Clinical Implant Continuum at PDI

The above listed course tuition covers attendance at all courses, hands-on exercises, and patient treatment demonstrations.

Should the participant chose to have implants placed by the PDI surgeon Dr. Perala, the participant can then restore the implant under supervision during the continuum. The participants must be licensed in the State of Oregon to treat patients. If the participant is not licensed then he or she can perform treatment in their office and we will provide all components and lab work.

We have an all inclusive fee of \$2,500 for each implant. This includes:

1. Surgical implant placement
2. All components such as healing abutments and temporary copings
3. Prosthetic components
4. Lab fees for fabrication of custom abutments and cemented crowns or screw retained prostheses
5. Alloy

This fee does not include bone grafting procedures or sinus lifts. Should these procedures be necessary the participant would be charged approximately half of the normal private practice fee.

All fees for treatment must be paid by the participant. PDI will not collect fees for treatment from course participants' patients or ever discuss fees with patients.