

Postgraduate Program in Contemporary Esthetic Dentistry: Level I
Continuing Dental Education, School of Dentistry
University of Minnesota

Goal: to provide a University-based postgraduate program in esthetic dentistry which will prepare practicing dentists to select and use contemporary materials and techniques based on scientific evidence. Dentists will be exposed to a diversity of philosophies, materials and laboratory experiences which will give them the knowledge and skills to incorporate the latest materials and techniques into practice.

Credits: 100 hours of postgraduate instruction for a total of 5 credits. (60 hours of didactic= 4 credits; 40 hours of laboratory= 1.5 credits.)

WEEKEND THREE: Direct Esthetic Restorations

Objectives: The graduate will be able to:

1. identify appropriate uses of lasers in dentistry.
2. utilize laser technology with simulated soft tissue applications.
3. identify when and how to use fluid control materials during direct and indirect restorative procedures.
4. select the best options in flowable composites for posterior restorations.
5. create tight contact areas using matrices.
6. inject, polymerize, shape and finish posterior composite materials on models.
7. determine when to use fiber-reinforced composite restorations.
8. prepare and place a fiber reinforced composite bridge on a model.
9. determine when to use indirect one-appointment inlays/onlays.
10. create adhesive preparations for resin-based posterior restorations.

CONTINUING DENTAL EDUCATION
School of Dentistry
University of Minnesota

*Postgraduate Program in Esthetic Dentistry: Level I
Weekend Three*

*Friday-Sunday
February 8-10, 2008*

THEME: Direct Esthetic Restorations

PROGRAM

Friday, February 8, 2008

2-470 Phillips Wangensteen Building

- 12:00 **Lasers in Dentistry** *Dr. John Graeber*
- How to contour gingival tissue for maximum esthetics
- Use of lasers for sulcular preparations for impressions
- Use of lasers in hard tissue esthetics
- 2:30 Refreshment break
- 2:45 **Lasers in Dentistry: Demonstration via PowerPoint** *Dr. John Graeber*
- Demonstration: Use of diode and erbium lasers on via digital video microscopy:
- 1) common gingival procedures
 - 2) tissue control for restorations
 - 3) hard tissue procedures with lasers
- 4:30 *Questions & answers* *Dr. Graeber*
- 5:00 Dinner (included)
- 6:00 **Tissue Management** *Dr. John Bailey*
- Fluid control considerations in restorative dentistry
- Types of fluids and their effect on adhesive and impression making procedures

- 7:15 Refreshment break
- How to select the appropriate chemicals *Dr. Bailey*
- 8:30 *Questions & Answers* *Dr. Bailey*
- 9:00 Adjourn

Saturday, February 9, 2008

2-470 Phillips Wangensteen Building

- 8:00 **Posterior Composites** *Dr. Paul Belvedere*
- Creating an adhesive preparation
 - Creating the contact area
 - Cleaning and etching
 - Using a contact former
 - Applying the primer/adhesive
- 10:00 Refreshment break
- 10:15 **Posterior Composites** (continued) *Dr. Belvedere*
- Applying a flowable composite
 - Injecting posterior composite
 - Polymerization
 - Occlusal shaping and finishing
- 11:45 *Questions and Answers* *Dr. Belvedere*
- 12:00 Luncheon (included)
- 4th Floor Laboratory
- 1:00 **Hands-On Workshop:** use of matrices; placing, polymerizing shaping and finishing posterior composite restorations on a typodont *Dr. Belvedere*
- 5:00 Adjourn
- 5:30 Reception—Radisson Hotel

Sunday, February 10, 2008

4th Floor Laboratory

- 8:00 **Fiber-Reinforced Composite Bridges** *Dr. Paul Belvedere*
- Complicated Esthetic Challenges
 - Direct Fiber-reinforced composite restorations and bridges
 - indications
 - preparation
 - steps in treatment
- Hands-On Workshop:** placement of a fiber-reinforced composite bridge on a tyodont *Dr. Belvedere*
- 10:00 Refreshment break
- 10:15 **Hands-On Workshop:** anterior and posterior tissue management with matrices *Dr. Belvedere*
- 11:00 **Provisionalization**
- 11:45 *Questions and Answers* *Dr. Belvedere*

2-470 Phillips Wangenstein Building

- 12:00 Luncheon (included)
- 1:00 **In-Office Indirect Restorations** *Dr. Mark Malterud*
- Lecture: Indirect one-appointment inlays/onlays
 - indications
 - preparation
 - steps in treatment
- 2:45 Refreshment break

4th Floor Laboratory

3:00 **Hands-On Workshop:** demonstration and practice with in-office indirect restorations on models

Dr. Malterud

5:00 Adjourn

GUEST SPEAKERS

John Bailey, D.D.S., Diplomate, American Board of Prosthodontics. Dr. John Bailey is a graduate of Loma Linda University School of Dentistry. He obtained his Advanced Prosthodontic Certificate from the University of Southern California and is a Diplomat of the American Board of Prosthodontics. He was promoted to the level of Associate Professor with Tenure at The Ohio State University College of Dentistry teaching in the pre-doctoral and graduate prosthodontic programs. He is an adjunct Professor at the University of Alabama-Birmingham, a clinical support Instructor in the Section of Restorative Dentistry at the Arizona School of Dentistry and Oral Health, and a visiting professor at the Universidad Francisco Marroquin in Guatemala City, Guatemala. Dr. Bailey has a prosthodontic practice in Peoria, Arizona limited to prosthodontics and esthetic dentistry. His diversified background allows him to draw on a wide range of experiences to discuss the evolution of products and techniques into the Twenty-first Century.

Paul S. Belvedere, D.D.S., Adjunct Professor, School of Dentistry, University of Minnesota. Dr. Belvedere is an internationally renowned teacher, author, inventor and innovator in composite dentistry. He maintains a full-time general and cosmetic dental practice in Edina, Minnesota. He has been a featured speaker for the ADA, ASDA, AACD, AGD as well as for several other dental schools worldwide. Dr. Belvedere has written a chapter in Dental Clinics of North America and is a consultant to several dental manufacturers.

John Graeber, D.M.D., Certified Laser Educator; full-time general and cosmetic practitioner in East Hanover, New Jersey who is recognized nationally for his expertise in lasers in dentistry. Dr. Graeber has written several articles on the subject of high-tech dentistry and has provided lecture and hands-on laser courses for many dental schools and for the major dental meetings around the country.

Mark I. Malterud, D.D.S., has a solo practice in St. Paul, Minnesota which focuses on comprehensive minimal invasive esthetic bonded dentistry. Dr. Malterud has lectured nationally and internationally on minimal invasive dentistry and has provided in-office training for offices interested in single appointment indirect bonded restorative techniques. He is an active member of the American Dental Association, the American Academy of Cosmetic Dentistry and the Academy of General Dentistry.

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