

October 2011 Seminar

The Ernest J. Muszynski Memorial Lecture

Friday, October 14, 2011

Location to be determined
Continental Breakfast begins at 8:30 a.m.
Program from 9:00 a.m. to 5:00 p.m.

Cosmetic and Restorative Dentistry "Best Kept Secrets"

John W. Farah, D.D.S., Ph.D.
The Dental Advisor
Ann Arbor, Michigan



Course Description – This course integrates information Dr. Farah has gathered in over 30 years as a clinician and researcher in dentistry. Using data derived from research conducted at THE DENTAL ADVISOR Biomaterials Research Center, Dr. Farah relates the significance and applicability of the research to the daily practice of dentistry. Twenty-five-year data on success and failure rates of all-ceramic restorations, including inlays, onlays, crowns and bridges are outlined and discussed. Comparisons are made between all-ceramic and PFM fracture rates. The first topic's presentation time is 2-3 hours, topics 2 through 5 are estimated at 1 ½ hours each.

1. CAD/CAM Ceramics – The Next 10 Years

The future importance of CAD/CAM ceramics and digital impressioning are highlighted.

- Preparation guidelines are offered
- Comparisons of in-office and laboratory CAD/CAM units are made.
- The role and strength of zirconia are discussed.
 - Are all zirconias the same?
 - How does a dentist best bond or cement zirconia restorations?
 - Are 7th-generation bonding agents useful to bond zirconia restorations?

Four-year recall data of 150 LAVA restorations are outlined along with advantages and disadvantages of such restorations.

What is in the Future?

- Digital impressions — would they simplify and eliminate errors introduced during impression taking?
- Would the restorations fit as well or better than restorations made from traditional impressions?

- Stereolithographic models — What are they? Are they as accurate as gypsum models? Are they cost effective?
- Gypsum dies and casts — Will they be eliminated?
- What about the LAVA Chairside Oral Scanner (COS)?

2. Traditional and Adhesive Resin Cements and Bonding Agents

Traditional Cements: Strengths and weaknesses

Adhesive and Self-adhesive Resin Cements: Advantages and disadvantages are presented along with the recommendations as to which are best.

Fourth-, fifth-, sixth- and seventh-generation bonding agents are discussed. Special emphasis is placed on self-etch systems. Clinical factors that affect bonding are reviewed.

Objective: Learn how to select the best resin cement and optimize the use of bonding agents for specific clinical applications.

3. All-Ceramic Restorations

Guidelines are given on ways to obtain the best results with the newest ceramics and how to optimize tooth preparations. Clinical performance of several ceramic materials over a 25-year period is reviewed.

Success and failure rates of all ceramic restorations over a 25-year period are presented and discussed.

Special emphasis is placed on CAD/CAM ceramic restorations. Will they replace PFM restorations?

Proper tooth preparation needed to optimize the long-term success of all-ceramic restorations is addressed.

Objective: Learn how to prepare teeth for superior esthetics and durability.

4. Composites: In-office and Laboratory-processed

The new nanofilled, layered, and microhybrid composites, along with their advantages and disadvantages, are outlined and discussed.

Improvements in flowable composites are described.

Twenty-four-year clinical follow-up of direct and laboratory composites are reviewed.

Several laboratory-processed composites such as **Sculpture Plus**, **belleGlass**, **Sinfony**, and **Tescera** are discussed.

Debonding, fracture and wear of laboratory composites are outlined and compared to ceramic restorations.

Objective: Learn how to select and use the best in-office and laboratory-processed composites.

5. New Products and the “Best of the Best” Products

New products are recommended.

The “Best of the Best” in the following categories are given:

- Impression Materials
- Provisional Materials
- Temporary Cements
- Composite Cores
- Others

Objective: Assist the dental office in selecting the best materials to operate smoothly and efficiently on a daily basis.

About the Speaker – John W. Farah, DDS, PhD is a graduate of the University of Michigan. His degrees include a dual Ph.D. in Dental Materials and Aerospace Engineering, received in 1972, and a D.D.S. in 1978. Dr. Farah taught at the University of Florida and the University of Michigan. Dr. Farah initiated THE DENTAL ADVISOR in 1983. He and Dr. John Powers are co-editors of the publication and work closely with approximately 300 dental professionals to evaluate and rate new products and equipment. THE DENTAL ADVISOR is a dental consumer report type of publication and is published 10 times per year. In January 2006, a new 11,000 square foot facility was completed to house THE DENTAL ADVISOR publication, the Biomaterials Research Center, and the Education Center. A ceramic milling center is also located at this facility. This milling center serves for the production and research of CAD/CAM all-ceramic restorations. This state-of-the-art testing facility, located in Ann Arbor, Michigan, is used to test products that are featured in THE DENTAL ADVISOR and host seminars and Continuing Education courses for dental professionals. In addition to THE DENTAL ADVISOR, Dr. Farah has published over 50 peer-reviewed articles in professional dental journals and also maintains a general dental practice in Ann Arbor, Michigan focusing on esthetic dentistry. He lectures both nationally and internationally.

[7 CEUS]

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Registration information will be available in early 2011.