

Biomimetic Dentistry

Friday, March 2, 2012 ■ 8:00a - 4:00pm

Speaker: Dr. David Alleman ■ \$ 25 ■ 7 CE

Adhesion Dentistry is a relationship between stress & bond strength. If the bond strength can withstand the stresses then the restorations will be successful. This course will give scientific evidence on how to control stresses, which maximize bond strengths. This maintains the seal, prevents secondary caries, eliminates post-op pain & preserves pulp vitality.

What is Biomimetic Dentistry?

4 Fundamentals of Advanced Adhesion (Biomimetic) Dentistry

Caries Diagnosis & Treatment:

How to Identify & Treat Affected & Infected Dentin
How To Use Dyes & DIAGNOdent Which Relates To Bond Strength & Durability

Polymerization & Configuration Stresses:

How to Select & Identify Low-Stress Materials
Which Layering Techniques Produce Low Stress & High Bond Strengths
How To Reduce Polymerization Stress with Proper Curing Protocols
How Fiber Inserts Reduce Stress

Materials Selection, Techniques & Technologies

How to Choose Bonding Materials with Long-Term Durability & Physical Properties That Mimic Natural Tooth Structure

Structural Analysis:

Crack Diagnosis & Treatment; When & How To Onlay Thin Cusps

Multiple Clinical Cases Presented To Illustrate Techniques



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After Taking This Course You Will Know:

- How to Find Caries Infected & Affected Dentin & Guidelines for Removal.
- How to Choose The Best Type of Restoration Based on Risk Assessment
- Immediate Dentin Sealing: How to Seal Preparations Before Taking Impressions
- C-Factor & Polymerization Stresses & How They Affect Bond Strength & Durability
- How to Double Your Bond Strengths with Stress Reduced Layering Techniques & Curing
- How to Adjust Occlusion by Finding Lateral Interferences with Unterbrink's 3- Paper Technique
- How To Conserve Tooth Structure & Double or Triple The Life of Restorations

Dr. David S. Alleman has been practicing dentistry for 32 years since his graduation from the University of the Pacific in 1978. The first three were in the US Navy and the last 29 in Utah. In 1995 he started studying adhesive dentistry with Dr. Ray Bertolotti. In 1999 he started studying with Dr. John Koiss. These two mentors guided him through a 10 year/ 10,000 hour review of the literature on which advanced adhesive (Biomimetic) dentistry is based. Other mentors and collaborators are Dr. Gary Unterbrink, Dr. Didier Dietschi, Dr. Pascal Magne and Dr. Geoff Knight. He is currently partnering with Dr. Simone Deliperi from Sardinia, Italy to teach these techniques to practicing dentists at his educational facility in Salt Lake City, Utah. He is a member of the Academy of Operative Dentistry & The International Association for Dental Research. He has published articles on advanced adhesive techniques that focus on reducing stress, increasing long-term bond durability and tooth conservation. He currently mentors over 200 dentists nationwide in his practice based research group.



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