

2002 SPEAKER BIOGRAPHIES

Dr. Lorin F. Berland

Dr. Lorin Berland, a 1981 graduate of the Loyola University School of Dentistry, maintains a private practice in the Dallas Arts District. An accredited member and fellow of the American Academy of Cosmetic Dentistry, Dr. Berland is also a cofounder of the Academy of Cosmetic Surgery and Esthetic Dentistry. He lectures nationally on building a practice with cosmetic dental strategies, from marketing to materials to techniques.

Over the past 15 years, Dr. Berland has been dedicated to helping dentists change the way they view dentistry. His vision is to help make better dentists by equipping them to enjoy their work and provide every patient with the very best attention, technique, technology and results. Dr. Berland knows from personal experience that ongoing education and expert training is the key to success, since applied knowledge means better results, happier patients, and a thriving practice.

By sharing from both his successes and his failures, Dr. Berland provides dentists with specific, proven tools to improve treatment planning, decision-making, diagnosing, materials and equipment selection. All of this results in a higher confidence level, more predictable cases, and greater contribution to patients' lives.



Dr. Joseph A. Blaes

Dr. Joseph Blaes has created a unique, innovative, insurance-free, fee-for-service general practice in St. Louis, Missouri, that emphasizes preventive, esthetic, reconstructive and implant dentistry. Many dentists have brought their teams to St. Louis to experience first hand the leadership and entrepreneurial spirit that has made this practice successful.

Because of his interest in new and innovative materials and techniques, Dr. Blaes began writing "Pearls for Your Practice" in *Dental Economics*. The column quickly became a trusted resource for new dental materials and techniques. In October 1996, Dr. Blaes was hired by PennWell Publishing Company as Editor of *Dental Economics* magazine and *Dental Equipment and Materials* magazine. He has been responsible for the complete repositioning of *Dental Economics* as the premier dental practice management magazine in the industry. He was responsible for the total redesign of the magazine, giving it a much needed facelift with a heavier stock of paper for easy reading and better printing of color. Dr. Blaes has been active in bringing new advertising into the magazine and he is well known and respected by dental manufacturers and distributors. His editorial direction is responsible for *Dental Economics* being the best read magazine in the dental industry. Dr. Blaes is recognized as an expert on dental materials and techniques and he lectures routinely on these topics. In addition to memberships in many professional organizations, Dr. Blaes is a Fellow of the American College of Dentists and he currently serves on the board of the American Academy of Dental Practice Administration.



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Special Seminar Double Edition

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Dr. Nate Booth

For over twenty-five years, Dr. Nate Booth has been relentlessly studying, applying, and coaching others in the art of thriving in times of rapid change. Nate received his DDS degree from the University of Nebraska in 1971 and was in private dental practice for eight years.

In 1983, he decided to switch careers and earned a master's degree in counseling. His two best-selling books, *Thriving on Change: The Art of Utilizing Change to Your Advantage* and *The Diamond Touch: How to Get What You Want By Giving People What They Uniquely Desire*, contain compelling personal and business success strategies for a world playing a new game with a different set of rules.

His company, Nate Booth & Associates, creates customized training programs for corporations and associations around the world. Clients include Aetna, American Express, Arthur Andersen, AT&T, Blue Cross-Blue Shield, Century 21, DeLoitte & Touche, Eastman Kodak, Honeywell, IBM, Inc. Magazine, Kraft Foods, Mobil Oil, NASA, Norwest Bank, Northwestern Mutual Life, Prudential Insurance, Sanyo, Saturn Corporation, Siemens Corporation, University of South Carolina School of Business, Midwest Gas Association, US West Direct, and the National Association of Automobile Dealers.

Nate understands that the greatest dentist in the world is worthless if they can't influence patients to take action on their recommendations!



Hey, you were GREAT!!
Erin Brockovich

Erin Brockovich

In 1990, Erin Brockovich was a twice-divorced mother of three, jobless and struggling to pay her bills and support her family. After being seriously injured in a traffic accident in Reno, Erin and her children moved back to Southern California, where she hired the law firm of Masry and Vittoe to handle her accident case. Although they were able to get her a \$17,000 settlement, it didn't even begin to cover her mounting debts. Desperate for work, she begged her lawyers for a job as a file clerk, knowing she could somehow get out of debt and make a difference in people's lives. While reviewing some medical records, Erin stumbled upon some facts which piqued her curiosity, and convinced her boss, Ed Masry, that it might be a matter worth looking into.



Erin's solo investigation uncovered the story that utility giant Pacific Gas and Electric knowingly exposed the residents of Hinkley, California to the toxic chemical Chromium 6. She then spearheaded the largest direct action lawsuit of its kind, resulting in the biggest legal settlement in U.S. history, paying out over \$333 million in damages to more than 600 Hinkley residents.

The story of Erin's investigation, legal triumph and personal challenges were dramatized in the 2000 hit movie "Erin Brockovich," starring Julia Roberts and Albert Finney. No longer a file clerk, Erin now serves as Director of Research at Masry and Vittoe, where she is currently involved in other major environmental lawsuits. She has co-written a book ("Take It From Me, Life's a Struggle But You Can Win"), continues to lecture around the country, and is scheduled to host the reality drama series "Final Justice" on Lifetime Television in 2003.

The Richards Report

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Case Study continued



Figure 12—Zekon EDMUflex[®] air abrasion system removed the irregular contour and increased surface area for increased bond strength.



Figure 13—SuperSnap[®] disks refine distal incisal edge.



Figure 14—View of the final restoration. Close-up.



Figure 15—Final full face view.

opened crown preparation with a 1-mm chamfer (Figure 7).¹

By using the Zekon EDMUflex[®] Air Abrasion System (Zekon[®] ADMG Technology Dental) at the gingival margin, slightly subgingival margins were



Figure 7—Pre-crown preparation.



Figure 8—The final subgingival margin was created with a SuperSnap[®] disk using the Zekon EDMUflex[®].



Figure 9—Expasyl[®] prepreg matrix resin.



Figure 10—The temporary crown in place.



Figure 11—Captek[®] is porcelain-metal construction.

created without needing to place a retraction cord that may further damage the already compromised tissues (Figure 8). This clearly exposes a natural lined rest on the facial of the tooth. A standard porcelain-fused-to-metal crown, with metal and preparations, may not be able to navigate this morphologic irregularity and may result in the inflammation and recession evident in the previous crown. The patient was then instructed to close down to check for adequate occlusal clearance.

Taking the Final Impression

In anticipation of impression taking, Expasyl[®] (Kerr Corporation) was carefully applied to the dry gingival margin to provide gingival retraction and to control gingival hemorrhaging, and the Expasyl[®] was then thoroughly rinsed (Figure 9). A Premier[®] Anterior Triple Tray[®] (Premier[®] Dental Products Co.) was used to capture the preparation, opposing arch, and bite registration in one impression. Impregum[™] Penta[™] Soft (3M ESPE) was dispensed by a thin nozzle syringe onto the preparation and dispersed using an air syringe. The patient then closed down on the Impregum[™] Penta[™] Soft loaded Triple Tray[®] for 6 minutes. By using this hydrophilic polyether impression material, a highly accurate and stable impression was taken.²

Temperization

The Crown Bridge Veneer A-1 temporary crown (Den-Mat[®] Corporation) was seated to check for accurate tooth contour, marginal fit, and shade match. The build-up was lightly lubricated to prevent bonding to the acrylic, and the acrylic-filled provisional was seated and held with finger pressure until fully set. After trimming and polishing the margins of the provisional, it was temporarily cemented using Tempbond[™] Clear (Kerr Corporation) (Figure 10).

Laboratory Work

Because of previous gingival irritation and color-matching difficulty, Captek[™] was chosen for its color and biocompatibility. A Captek[™] coping was adapted to the die for Vintage[®] Halo porcelain. Although an all-

ceramic crown was considered, the Captek[™] crown was used to block out the two-tone color of the underlying abutment. The beauty of the Captek[™] crown is a result of the rich gold color in the coping material.³ Captek[™] is an acronym for Capillary Casting Technology and is not a regular alloy. The process creates 22-karat gold copings with exceptional strength. The end result is a warm, gold-colored coping consisting of 88% gold and 9% platinum.³ This yellow-gold color allows for thinner amounts of opacifying agents. In fact, some feel that the underlying gold color provides a degree of warmth found in the pulp and dental tissues of natural teeth. These factors allow the restorative dentist to create all-ceramic beauty with a contemporary metal-ceramic material.³ The combination of the ShadeEye-NCC[™] recipe in chroma, hue, and value accompanied by the digital picture of the shade tabs next to the teeth to capture the pattern of hypocalcification spots and incisal translucency was indispensable.

The porcelain was baked and contoured. Special attention was paid to match the mesial and distal contour arms and the labio-incisal embrasure forms of the adjacent central. The surface of the crown was highly polished with a diamond polish and a cotton buff. The crown was evaluated on a solid model for interproximal contacts and tissue adaptation.³ The Captek[™] intaglio illustrates the color advantages of Captek[™] over traditional metal alloys (Figure 11).⁴

This yellow-gold color allows for thinner amounts of opacifying agents.

Cementation

At the seating appointment, the provisional was removed. Residual temporary cement was removed from the preparation using air abrasion with RONDOflex[®] (KaVo America Corporation) (Figure 12). The tooth surface was etched using 34% phosphoric acid and rinsed and dried but not desiccated. Tenure[®] A&B was mixed in a well, and applied liberally to the preparation surface and air-dried to a glossy shine.

Case Study continued

Infinity[®] (Den-Mat[®] Corporation) resin cement was syringed into the crown and sealed on the abutment. The contacts were finished and excess resin removed with a sable brush. A microbrush dipped in Tenure[®] S Quik (Den-Mat[®] Corporation) was used to remove excess cement and seal the margins. When polymerization was complete, the gingival marginal flash was removed and polished.

Finishing

Ultra II Porcelain Polishing Paste (Shofu[®] Dental Corporation) provided the final polish.

A more natural appearance was further accomplished by slightly rounding the distal corners.

A more natural appearance was further accomplished by slightly rounding the distal corners using the SuperSnap[®] disks (Shofu[®] Dental Corporation) (Figure 13). The benefits of using a Captek[™] restoration to replace a previous porcelain-fused-to-metal crown are color biocompatibility and predictability. In other words, this author can cement them and forget them.

CONCLUSION

Devices that record and duplicate color along with glass-fiber posts, and porcelain/metal technology can provide restorations that are in harmony with the adjacent natural dentition and surrounding soft tissues (Figures 14 and 15).

DISCLOSURE

Dr. Berland receives financial/material support from Shofu[®] Dental Corporation, Den-Mat[®] Corporation, and Captek[™]—A Division of Precious Chemicals Inc.

ACKNOWLEDGMENT

The laboratory work for this case study was completed by Westhrook and Associates of Garland, Texas.

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Product References

Product	Manufacturer	Address	Phone	Fax
Captek [™]	Precious Chemicals Company, Inc.	140 Alameda Corporate Boulevard Alameda, California, Nevada 89018	931.311.2217	931.311.8880
Shofu A&B [®] Porcelain	Shofu [®] Dental Corporation	1000 S. Grand Avenue Los Angeles, California 90015	323.471.4622	323.471.3100
Ultra II Porcelain Polishing Paste	Shofu [®] Dental Corporation	1000 S. Grand Avenue Los Angeles, California 90015	323.471.4622	323.471.3100
Expasyl [®] prepreg matrix resin	Kerr Corporation	3300 Zeeb Road Midland, Texas 79701	817.437.2200	817.437.2200
Premier [®] Anterior Triple Tray [®]	Premier [®] Dental Products Co.	1700 Sherman Drive St. Louis, Missouri 63103	314.353.3300	314.353.3300
Impregum [™] Penta [™] Soft	3M ESPE	1700 Sherman Drive St. Louis, Missouri 63103	314.353.3300	314.353.3300
Tempbond [™] Clear	Kerr Corporation	3300 Zeeb Road Midland, Texas 79701	817.437.2200	817.437.2200
RONDOflex [®]	KaVo America Corporation	1000 S. Grand Avenue Los Angeles, California 90015	323.471.4622	323.471.3100
ShadeEye-NCC [™]	Shofu [®] Dental Corporation	1000 S. Grand Avenue Los Angeles, California 90015	323.471.4622	323.471.3100
Shade Tabs	Shofu [®] Dental Corporation	1000 S. Grand Avenue Los Angeles, California 90015	323.471.4622	323.471.3100
Shade Guide	Shofu [®] Dental Corporation	1000 S. Grand Avenue Los Angeles, California 90015	323.471.4622	323.471.3100
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