The Academy of Laser Dentistry and Green Valley Ranch Resort & Spa will treat you to an experience that is truly close to the action, but a world apart. Only minutes away from the Las Vegas strip, GVR is a AAA Four Diamond Award winning escape that combines exciting casino action and the hottest nightlife with the pampering relaxation of a luxury resort and spa.

This magnificent resort attends to its guests with unspoken special touches and an impeccable service philosophy. They have combined these standards with the grandeur of their grounds and facilities. Their elegant decor and accommodations, world-class cuisine and lively entertainment create an exciting experience for the senses.
FROM THE PRESIDENT

2008 – A Great Year for Lasers in Dentistry
by Dr. Peter Rechmann

Dear Friends & Colleagues of the Academy of Laser Dentistry,
2008 has been a great year for lasers in dentistry. Here are some examples.
Gail Siminovsky - our Executive Director – who has been nurturing our relationship with the Academy of General Dentistry for several years has seen the fruits of these efforts blossom in the past months. Through this relationship the ALD has become the source for laser education for AGD members in all their meetings. Leaders from ALD and AGD have met to consolidate our work together.

Through the Academy’s Education and Regulatory Affairs Committees, we have put together a One Day Educational Program with the Food and Drug Administration (FDA.) Our aim is to educate about the various aspects of Laser Technology. The audience will mostly be representatives from the National Institute of Health and the FDA. We hope that this initial meeting will create an ongoing forum for ALD and the FDA and enhance our ability to work together.

Many of our Recognized Course Providers, with the help of our in-house staff, have put together an incredible program at the ADA 2008 Meeting in San Antonio, Texas. The ALD, together with the ADA, worked tirelessly for several months to put together a Live Operatory Center. 451 dentists and hygienists attended this ongoing educational event where they learned the basics of Laser Dentistry. With the support and sponsorship of many laser manufacturers, the visitors were exposed to the various ways that laser technology can be incorporated in their offices. They were very enthusiastic and we believe the event was a huge success.

After the tireless efforts by a number of our members, a Special Interest Group (SIG) “Lasers in Dentistry” has been formed to represent Lasers in Dentistry at the American Dental Education Association ADEA, an organization instrumental in the development of Dental Education Curricula. This is a big deal as it represents another and very significant example of our acceptance by the mainstream.

The Eugene M. Seidner Scholarship Fund has received numerous applications to present research papers at our next Annual Conference and Exhibition at the Green Valley Ranch, in Las Vegas, Nevada. The three winners of this year’s scholarships have been selected through the abstract reviewing process and will be presenting at our next Conference, April 22 to 25, 2009. This scholarship, as it becomes more recognized in Academia, represents a great advance in the recognition of dental lasers as mainstream technology. There is growing interest in the Eugene M. Seidner Scholarship Program.

ALD’s Conference Committee has received more than 80 abstract submissions for our Annual Conference this coming April. The Scientific Session Committee is hard at work reviewing these applications as we are certain that the result will be a terrific program, engaging, educational and just plain fun for all the attendees.

To top it all, we finally have a formal Laser Curriculum integrated and taught at A. T. Still University, Arizona School of Dentistry & Oral Health (ASDOH). Now for the first time, right next to Operative Dentistry, Prosthodontics, Periodontal Dentistry, Implant Dentistry, we have Lasers in Dentistry, formally taught and presented at a University. At the same time, curricula are being presented at two other Universities for their approval. This represents, at long last, the implementation of one of the goals of what might be considered one of our founding documents, The Curriculum Guidelines for Dental Laser Education. Everyone should feel really proud of this.

Did I tell you 2008 was a great year for Laser Dentistry? •

Thank you ALD members for your contribution to laser education. We are all looking forward to hearing you speak at our 2009 Conference in Las Vegas

NAMES LIST OF SPEAKERS*

Eugenia Anagnostaki, DDS
Eugene Antenucci, DDS
Akira Aoki, DDS, PhD
Stefano Benedicenti,Phd, DDS
Bill Brown, BSEE
Tricia Ceresa, RDH
Stuart Coletson BS, DDS
Mark P. Colonna, DDS
Donald Colucci, DDS
Robert Convissar, DDS
Enrico DiVito, DDS
Dr. Aymna El-zohairy
Hugh Flax, DDS
Dan Fried, PhD
Douglas Gilio, DDS
Craig Gimbel, DDS
Jeanne Godett, RDH
John Graeber, DMD
Tori Gutierrez, RDH
Charles Hoopingarner, DDS
Giuseppe Iaria, PhD DDS
Ingmar Ingenegeren, Drs. MSc. MSc.
Lawrence Kotlow , DDS
Edward Kasek, DDS
V. Kim Kutsch, DMD
Arthur Levy, DMD
Mitchell Lomke, DDS
Kenneth Luk BDS;DGDP (UK);
MGD (CDSHK)
Kathleen Maiman
Fred Margolis, DDS
Nelson Marquina, PhD, DC
Sally McKenzie
Angie Mott, RDH
Terry Myers, DDS
Dr. Shigeyuki Nagai
Claus Neckel, MD, DDS
Giovanni Olivi, MD, DDS
Dr. Adriana Pares
Glenda Payas, DMD
Ronald Porth, DMD
Peter Rechmann, DDS PhD,
Prof. Dr. med. dent.
Avi Reyhanian, DDS
Stewart Rosenberg, DDS
David Roskind, DMD
Gerry Ross,DDS
Wayne Selting, DDS, MSc
Gail Siminovsky, CAE
Mary Lynn Smith, RDH
John G. Sulewski, MA
Grace Sun, DDS
Caroline Sweeney, MBA, MA, BSc, OTR
Michael Swick, DMD
Carmen Todea, PhD, DMD
Ram Vanderhobli, DDS, MS
Glenn van As, DMD
Kazushi Yoshikawa, PhD
Frank Yung, DDS

*Speakers subject to change
EDITOR’S MESSAGE

The Right Attitudes Reach Great Altitudes
by Dr. Ana Triliouris, Communications Chair

To begin, let me give you some definitions. To “volunteer” is to offer one’s services or oneself for some special purpose or enterprise; to offer, do, undertake, give, or show something without being asked and without expecting to get anything in return. “Volunteerism” is the willingness of people to work on behalf of others without being motivated by financial gain. “Skill-Based Volunteerism” is a term used to describe volunteering where the volunteer uses his or her professional skills to help others.¹

In short, we need all of you volunteers to join us in leading ALD into the future. We are asking you, the laser-using clinician, and you, the practitioner interested in advancing dentistry through our Academy programs, to use your skills as you join us in realizing the ALD Strategic Goal.

If we are to become the voice of laser dentistry in the profession, we need every single one of you to help us by volunteering your time. Those of you with strong ethics and those of you who are proactive, come and join us. Those of you who are creative thinkers, interested in advancing the ALD mission and purpose, come and join us. Together, let’s promote the role of lasers in dentistry within dental private practices and dental schools.

In order to achieve our goals, we need to have the right attitude. So, if you are a visionary who is open-minded and results-oriented, you have the type of attitude that will help ALD achieve its altitude.

There are so many areas in which you can help. You can be sure to find your niche and make an impact. Communications, scientific development, university and academia involvement, promotion or fundraising for the Eugene M. Seidner Scholarship, association relations, certification, ethics and membership are just some of the areas in which you can volunteer your time.

ALD’s Strategic Plan is there to guide you and help you gain perspective as you join a team of professionals who have been working together for years. These strategic goals were developed by the Board of Directors and serve as a compass for achieving ALD’s overall goals and delivering value to our members and their patients simultaneously.

We work and grow together with ALD, and at the same time, we will have lots of fun. Camaraderie is one of the wonderful characteristics of our meetings and usually means having good times as we foster the mission and vision of the Academy of Laser Dentistry. ◆

Sincerely,
Ana Triliouris, DDS
anadda@aol.com


We Welcome Your Comments!
Let us know your thoughts on this newsletter or anything contained within.
Feel free to submit articles of interest to you in your practice of dentistry. We reserve the right of refusal and to edit for space and content.

Send letters and articles to:
ALD Newsletter Lightwaves
Attn: Heather Meiselman, LCSW
3300 University Drive, Suite 704
Coral Springs, FL 33065
Email: memberservices@laserdentistry.org
Phone 954-346-3776 x204

LIGHTWAVES
Editor, Chairman of Communications
Ana Triliouris, DDS
Chairman of Membership
Mitchell Lomke, DDS
Membership and Communications Coordinator
Heather Meiselman, LCSW
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The Academy of Laser Dentistry (ALD) is an international organization devoted to laser dentistry and includes clinicians, academicians and researchers in all laser wavelengths. The Academy is devoted to clinical education, research, and the development of standards and guidelines for the safe and effective use of dental laser technology. ALD was founded in 1993, with the merging of the International Academy of Laser Dentistry, the North American Academy of Laser Dentistry and the American Academy of Laser Dentistry.

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The Official Newsletter for the Academy of Laser Dentistry
ALD and ADA team up to teach 450+ dentists about lasers at ADA 2008 Annual Session Scientific Program
Live Operatory Center San Antonio October 15-18
Gail Siminovsky, CAE

EXECUTIVE DIRECTOR’S MESSAGE

Working together, the American Dental Association and the Academy of Laser Dentistry designed a new model for educating dental professionals on the safe and effective use of laser technology and the benefits of adding lasers into daily dental practice. Dr. Donald Coluzzi and Dr. Joel White, as co-course directors, famously scripted lasers into daily dental practice. Yes over 450 dentists! Forty participants at a time attended a 2 hour hands-on workshop, 14 times over 4 days at the ADA Annual meeting.

Thank you Corporate Members and Clinicians for participating in this educational event with the ALD in the ADA Laser Pavilion: Biolase, Kavo, Lutronics/GPT, Ivoclar Vivadent, Deka Laser Technology, Sirona, and Zap Lasers. Each manufacturer had their own individual station where attendees were able to demonstrate lasers on pig mandibles, while being instructed on proper operating techniques, patient benefits, and functions of the laser by the course directors, volunteer clinicians and company representatives.

The two hour introductory course consisted of a 20 minute overview of basic laser physics, devices, delivery systems and operating modes. Participants then had 5 rotations, each about 15 minutes, where they had hands on experience with diode, erbium and CO2 lasers. The participants had 4 specific exercises to complete: soft tissue excision, soft tissue sulcular debridement, soft tissue “toughing” simulating tissue retraction for fixed prosthetic final impressions and hard tissue caries removal and cavity preparation. The 5th rotation was a free period, where participants could go to any device that they wanted. Finally, there was a 15 minute lecture wrap up, where participants learned practice integration, user satisfaction, and received information on what educational opportunities were available to them after this introductory hands on course.

We all agree that with over 450 Course Attendees and 14 courses in total- the Course Presentations and Clinical Simulation Exercises went quite smooth! The preparation in-between each of the 4 daily sessions including clean-up, company representative switches, clinician rotations, and the retrieving of fresh pig mandibles-flowed nicely. Although, we unanimously agree that we did not have enough of a breather in between each group session, the high energy was contagious. And by the last day, we were all troopers to endure the strong smell of teaching lingering in the air. Thank you Buffalo Filter (Joe Lynch) for rescuing us with additional evacuation units!

The Laser Operatory served to replace the usual laser workshop that attendees typically register for at national dental meetings. This alternative form of laser education had numerous benefits for all involved. The ALD is very proud to represent professional organized dentistry with the ADA and be the conduit between manufacturing and dentistry for this stellar level of collaborative education. For attendees, it was a free course and allowed them to be exposed to more lasers and more techniques (hard tissue and soft tissue). For the ADA and the ALD, it allowed us to provide education for more attendees. For laser companies, we provided a level playing field for each company to demonstrate their products in a hands-on, educational environment. All dental procedures were displayed on multiple 60-inch flat screen monitors throughout the Laser Pavilion.

We are proud to say that all of our hard work and organization has shone through.

Thank you Dr. Coluzzi and Dr. White for putting on such a wonderful and informative course, full of a wealth of your year’s knowledge and experience for all of us, not just course attendees! Your information was priceless and your banter delivery catchy.

Thank you Catherine Coluzzi -your presence was timeless and stable!

A SPECIAL Thank You is extended to all ALD Volunteer Clinicians-nationally and internationally- who were there for hands on simulation, clean-up (intense clean-up), and most importantly for sharing your laser experiences and patient instruction to course attendees. So many volunteers were there when we needed you to fill a spot on a moments notice! Your presence truly encouraged me and Yvonne and Heather! We could not have provided this high level of dental laser education without your support. So many ALD members participated: Scott Benjamin, Keith Brewster, Rick Cardoza, Stu Coleton, Jay Goble, Craig Gimbel, John Graeber, Tony Hewlett, Charles Hoopingarner, Dan Jenkins, Jon Julian, Gabi Kesler, Bob Levine, Art Levy, Edward Lomire, Mitch Lomke, Jenny Lomke, Hirotoshi Maki, Emilie Martin, Erica Migliorati, Penny Parker, RDN, Steven Parker, Steven Parrett, Peter Pang, Marvin Rodrigue, David Rosshkind, Caroline Sweeney, Michael Swick, Glenn van As, Chris Walinski, Alfred...
The Official Newsletter for the Academy of Laser Dentistry

ALD at ADA’s Laser Pavillion, San Antonio, Texas, October 2008

A. ADA Sign listing ALD Courses at the Laser Pavilion
B. Penny Parker, RDN, Dr. Steven Parker, Angie Mott, RDH, and Dr. David Roshkind
C. Gail Siminovsky, ALD Director carries the torch for ALD!
D. Dr. Don Coluzzi and Dr. Joel White, co-course instructors, are some dynamic duo!
E. Dr. Peter Pang, Caroline Sweeney, Dr. Don Patthoff, Dr. Mike Swick and Dr. Frank Yung are glad to finally be relaxing
F. Dr. Scott Benjamin dedicated and working away at the Sirona nook
G. Dr. Craig Gimbel gets involved with KaVo’s diode lesson
H. Dr. Peter Rechmann, Dr. Ana Triliouris and George Triliouris are catching up
I. Vicki Hewlett, RDH, Dr. Alan Goldstein and Dr. Tony Hewlett are all smiles
J. Dr. Steven Parker during his rotation explains how it all actually works
K. Dr. Joel White and Dr. Terry Myers are glad to see ALD’s efforts over the years finally coming together
L. Dr. Steven Burman, Dr. Emile Martin and Dr. Tony Hewlett making plans for ALD 2009 in Las Vegas!
M. Yvonne and Gail are proud to say we did it! Another successful ALD presentation at the ADA!
N. Dr. Michael Swick at the Elexxion station instructing with double safety eyewear.
O. Dr. Hirotoshi Maki from Japan and Yvonne take on the project of packing everything backup!
P. Yvonne Schwerdtfeger, Jenny Lomke and Heather Meiselman
Q. Heather at the ALD Booth
R. Even at the 14th Laser Course Rotation, Dr. Coluzzi is still shedding some light
S. Gail is adding it all together and coming up with over 450 course attendees!
T. Dr. Don Coluzzi and Yvonne made sense out of that crazy rotation schedule-thanks to their super duper x-ray goggles.
The Academy of Laser Dentistry Announces 2009 Award Recipients

by Dr. Steven Burman

ALD’s Awards Committee is pleased to announce the 2009 ALD Award Recipients. Each recipient will be honored during the 16th ALD Anniversary Conference, April 22-25, 2009, at the Green Valley Ranch Resort Spa and Casino in Las Vegas, NV. The members of the Awards Committee are Steven Burman, Craig Gimbel, John Sulewski, Joel White and Gail Siminovsky.

The TH Maiman Award is presented for excellence in dental laser research. The first laser was developed by Theodore H. Maiman in 1960. In 2009 we will bestow this award on Daniel Fried, PhD.

The Leon Goldman Award is presented for clinical excellence. Dr. Goldman was the first physician to report on laser exposure to a vital human tooth. The 2009 recipient is Stuart Coleton, DDS.

The Distinguished Service Award is presented for outstanding commitment and contribution to the Academy. The 2009 recipient is Dennis Pietrini, DMD.

Dr. Daniel Fried is a professor in the Division of Biomaterials and Bioengineering in the Department of Preventative and Restorative Dental Sciences at the University of California, San Francisco School of Dentistry. He received his PhD in Physical Chemistry from Wayne State University in 1992 and his thesis work involved laser ablation and spectroscopy. Dr. Fried has been a researcher in the field of laser dentistry for the past 15 years and he has published more than 150 research publications in this field. His work has included: fundamental measurements of the optical properties of dental hard tissues from the UV to the IR, studies of the interaction of carbon dioxide lasers with dental hard tissues for laser ablation of caries and the surface modification of enamel for caries prevention, the use of lasers for the selective removal of caries and composite restorative materials, the assessment of demineralization and remineralization with polarization sensitive optical coherence tomography, and the development of near-IR imaging for caries detection. Dr. Fried may be reached by email at daniel.fried@ucsf.edu.

Previous TH Maiman Award honorees include: Dr. Joel White in 1993; Dr. Lynn Powell in 1995; Dr. Richard Blankenau in 1996; Dr. Terry D. Myers in 1998, Dr. Peter Rechmann in 1999; Dr. Frederick Parkins in 2000; Dr. Akira Aoki in 2001; Dr. John D.B. Featherstone in 2002; Dr. Craig Gimbel in 2003, Dr. Linda Otis in 2006 and Dr. Raimund Hibst in 2008.

Dr. Stuart Coleton graduated from the New York University College of Dentistry in 1964 as a member of Omicron Kappa Upsilon. He immediately enlisted in the U.S. Air Force with the rank of Captain and was stationed at HQ US 8th Air Force at Westover AFB in Chicopee, MA. Much of his two year tour of duty was spent researching aerodontalgia which involved combat flights in B52 bombers and KC135 tankers. He received a Strategic Air Command Special Commendation for his efforts. Upon leaving the Air Force he returned to NYU College Of Dentistry to complete a two year full time course in Periodontics and Oral Medicine.

Upon graduation with his Post Doctoral Degree he joined Dr. Sanford Kirsch in the practice of Periodontics in White Plains, NY and joined the staff of the Dept of Periodontics and Oral Medicine at NYU College of Dentistry where he remained for twelve years attaining the position of Associate Clinical Professor and Clinical Director of the Post Graduate Department of Periodontics. He is a Diplomat of both the American Board of Periodontology and the American Board of Oral Medicine. In 1971 he joined the staff of the Westchester County University Hospital and New York Medical College where he currently holds the positions of Chief Attending in Periodontics and Associate Professor in the Department of Dental Medicine respectively.

He joined the ALD in 1993 and has continued practicing laser dentistry ever since. The Academy has awarded him the Distinguished Service Award and he has achieved Advanced Proficiency as well as Educator and Mastership Status. Dr. Coleton is a Charter Member of ALD and is an ALD Recognized Course Provider (RCP). He is also a Fellow of both the American and International College of Dentistry.

Since retiring from the active practice of Dentistry in 2005, he has maintained a consulting firm (Professional Liability Consulting) in which he works with attorneys in the defense of dental malpractice.

Dr. Coleton and his wife Bobbi reside in Chappaqua, New York. They are the parents of three daughters, Marci, Jodi and Jamie and the proud grandparents of four grandchildren, Alex, Jordyn, Samantha and Sydney.

Dr. Coleton may be reached by email at scoleton@aol.com.

Previous Leon Goldman honorees include: Dr. Kim Kutsch in 1993; Dr. Robert Pick in 1995; Dr. Steven Parker in 1998, Dr. Donald J. Coluzzi and Dr. Robert E. Barr in 1999; Dr. Janet Hatcher Rice in 2000; Ms. Nora M. Raffetto, RDH in 2001; Dr. Duane H. Beers in 2002, Dr. Gabi Kesler in 2004, Dr. Glenn van As in 2006, Dr. Frank Yung and Dr. Giovanni Olivi in 2007.

Dr. Dennis R. Pietrini has been practicing general dentistry for more than thirty-eight years. He attended the University of Illinois and Elmhurst College before he went on to study dentistry. In 1970, he earned his DDS degree from the University of Illinois College of Dentistry. Dr. Pietrini then served two years active duty in the United States Navy Dental Corps. In 1972, he began private practice in River Grove, Illinois. Six years later, he moved his practice to its present location in Franklin Park, Illinois.

As an active member of Gottlieb Memorial Hospital for the past thirty-six years, he has served as the Chairman of the Department of Oral Medicine on three separate occasions, as a member of the Credentials Committee for eighteen years and is currently the Chairman of the Laser Safety Committee. He is a member of the American Dental Association, the Illinois State Dental Society and the Chicago Dental Society. In 1991, he was awarded a fellowship in the Academy of General Dentistry. He is a Charter Member and the Past President of the Academy of Laser Dentistry. He was awarded a Mastership certificate in 1993 and was certified as a Laser Educator in 1998. Currently, his is a Recognized Course Provider. He is also the co-founder and Past President of the Midwest Dental Laser Study Club.

Dr. Pietrini is one of the original co-authors of the “Curriculum Guidelines and Standards for Dental Laser Education”, adopted in 1993. He aided in the revision of the guidelines in 1998. He has been involved in training and certification of healthcare professionals throughout the United States and from more than thirty foreign countries. He has been a frequent

Continued on page7
Wyatt, and Frank Yung. It is very heartwarming to recognize the international representation with 3 members from Canada, 2 from the UK, 1 from Japan and 1 from Israel.

Thank you to the ADA Council on Scientific Sessions and Rich Schuch and Dawn McEvoy, for allowing ALD this honorable privilege, and for getting us every last supply needed to make this work (Bob Hartman). Thank you to Freeman AV (Jeff) for providing us with such a wonderful stable support in Ben Martinez (who always knew what rotation we were on) and your sound guys, too. Seamless! Thank you toGES (Theresa O’Brien) for your labor intensive set-up, delivery and breakdown. Really Great Work!

The feedback we have been receiving has been truly outstanding! Many other dental associations— including some international—stopped by to see what all the hubbub was about; those who at first had a raised eyebrow of interest became eager to witness the goings on inside the Pavilion.

After the meeting, Caroline Sweeney, MBA, BSc, shared some thoughts on Dentaltown by posting: “What a great job ALD, the laser dentists and the manufacturers did at the “Live Pavilion”. We had a record attendance over 4 days and 14 filled classes. The level of professionalism and camaraderie between everyone was great. I believe this has done much more than we realize to advance lasers into the world of the next adopters. - Caroline”. Dentaltown editorial director responded, “I think this was a terrific concept and one of the highlights of the entire ADA meeting. Congratulations to the ALD! Thanks for your effort to increase our collective understanding of lasers. Tom” Thomas Giacobbi, DDS, FAGD, Editorial Director, Dentaltown Magazine.

We look forward with excitement to what is coming in 2009!

Looking forward now to bringing this same level of excellence to ALD 2009 in Las Vegas. Networking, camaraderie and education are a member benefit. And it’s fun! Join us! ◆

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**Upcoming ALD 2009 Educational Events Calendar**

<table>
<thead>
<tr>
<th>MEETING</th>
<th>COURSE TITLE</th>
<th>SPEAKERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Maryland School of Dentistry <strong>January 30, 2009</strong>, Baltimore, MD</td>
<td>Introduction to Lasers Hands-on Course (for teaching faculty members)</td>
<td>Dr. Mitch Lomke</td>
</tr>
<tr>
<td>Chicago Mid-Winter Meeting <strong>February 27-28, 2009</strong>, Chicago, IL</td>
<td>Introductory Hands-On Course</td>
<td>Dr. Joel White</td>
</tr>
<tr>
<td>Arizona Dental Association Western Regional Dental Convention <strong>March 12-14, 2009</strong>, Phoenix, AZ</td>
<td>Standard Proficiency Certification Course <strong>March 13-14</strong></td>
<td>Dr. Dennis Pietrini, Dr. Peter Pang, Caroline Sweeney, MBA, Angie Mott, RDH</td>
</tr>
<tr>
<td>Academy of Laser Dentistry (ALD 2009) Conference <strong>April 22-25, 2009</strong>, Las Vegas, NV</td>
<td>Introduction to Lasers Hands-on Course</td>
<td>Dr. Don Coluzzi, Dr. Frank Yung, Dr. Steven Parker</td>
</tr>
<tr>
<td>West Virginia University (WVU), School of Dentistry <strong>Sept 3-4, 2009</strong>, Morgantown, WV</td>
<td>Standard Proficiency Course for 4th Year WVU Students Only</td>
<td>TBA</td>
</tr>
<tr>
<td>Washington State AGD, <strong>September 19, 2009</strong>, Seattle WA</td>
<td>Introduction to Lasers Hands-On Course</td>
<td>TBA</td>
</tr>
<tr>
<td>Metro Denver Dental Society <strong>November 13, 2009</strong>, Denver, CO</td>
<td>Introduction to Lasers Hands-On Course</td>
<td>Dr. Don Coluzzi</td>
</tr>
<tr>
<td>Detroit District Dental Society <strong>November 19-21, 2009</strong>, Detroit, MI</td>
<td>Introduction to Lasers Hands-On Course</td>
<td>Dr. Michael Swick</td>
</tr>
<tr>
<td>American Dental Association (ADA) Laser Pavilion, <strong>September 30 – October 4, 2008</strong>, Honolulu, HI</td>
<td>Continuous Introduction to Laser Courses</td>
<td>Dr. Don Coluzzi</td>
</tr>
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* Subject to Change
From the Boardroom
by Dr. Art Levy

On Sunday, Oct. 19th, the Board met in the Hyatt Regency in San Antonio, Texas. This meeting ended a busy week of teaching and sharing, with more than 450 participants in the Live Operatory Center at the American Dental Association (ADA) Annual Meeting. Members of ALD and sponsoring manufacturers shared the world of laser dentistry with participating dentists and hygienists who are interested in adding laser technology to their practices. This recognition by the ADA was a true first in the world of laser dentistry. Thanks are due to all dentists, ALD members, and ALD’s executive staff that supported and participated in this momentous program.

Following the recap of our ADA program the Board got down to the business of the Academy. Many notable decisions were made through the hard work, cooperation, and tireless activity of your Board of Directors and Officers. In the following paragraphs, I would like to give you a glimpse into our work.

The recognition that we enjoyed from the ADA is only the tip of the iceberg. We are in the process of helping to develop a full core curriculum in Lasers in Dentistry that will be taught beside the curricula of Operative, Prosthodontic, and Periodontal Dentistry. This will be taught at the University of Arizona, and is being presented to the University of West Virginia as well as the University of Maryland. Also lasers will be represented in the American Dental Education Association (ADEA) with a newly established Special Interest Group: Lasers in Dentistry.

Another major accomplishment was the elevation of the Laser Safety Committee to full committee status. As such, the Laser Safety Committee will be available to help organized dentistry maintain the safety of organizers, clinicians, as well as participants while conducting laser education programs. The Laser Safety Committee is led by Caroline Sweeney, MBA, BSc, Committee Chair, who was instrumental in composing the following Committee Charge:

The Laser Safety Committee is an advocate for and contributor to the education and implementation of laser safety. This committee may be called upon in an advisory capacity within the dental profession and may suggest representation on national regulatory bodies if requested through the Executive offices of the Academy and with the approval of the Board. This committee shall consist of a chair that in turn shall appoint as many members as necessary to accomplish its goals. This committee must be familiar with ANSI Z136.3 Safe Use of Lasers in Health Care Facilities in the United States and other pertinent National and International standards, and use these materials to guide the policies, procedures, and activities of the Academy of Laser Dentistry as they apply.

This very important work will continue under Caroline’s guidance and assistance from all interested members of the Academy.

The Education Committee discussed and developed a full program for revalidation of ALD Recognized Course Providers (RCPs) for Standard Proficiency Certification and adopted a continuing means of evaluation, monitoring, and improvement for all active RCPs in the Academy. In this way we can continually improve on the programs offered by the Academy’s Education and Certification Programs. The Education Committee also accepted and promoted a joint conference sponsored by the FDA and ALD which will present the factual, scientific basis of laser technology as well as Low-Level Laser Therapy and Emerging Diagnostic Modalities. This is an important chance to help form a basis for future cooperation between ALD and Federal decision makers. This meeting will take place at the FDA offices in Maryland on December 8, 2008.

Our upcoming Las Vegas conference (at the Green Valley Ranch in Henderson, Nevada) will showcase the best of nearly 85 submitted abstracts and will feature two of the leading experts in some very exciting clinical technologies. The focus at this conference will be on clinical relevance and modalities that you can take home and use the day you return to your office. Don’t miss the opportunity to learn from the best and share the camaraderie of the leading organization in lasers in dentistry!

All in all, we are ready to present the best conference that we have ever had. Be a part of it and remember that an organization grows only through the infusion of new blood. Be a disciple and spread the word of the Academy of Laser Dentistry. Bring along a new member and volunteer to help the Academy reflect your interests by serving on a committee. Make a meaningful and lasting contribution to make the Academy yours. Join us in Nevada and remember, “Viva Las Vegas!”

WELCOME NEW MEMBERS

ALD is please to welcome the following new members to the Academy since July 4, 2008. If you joined the Academy recently and your name does not appear, it will be listed in the next newsletter.

Berenece Barrios, RDH
Vahid Bashi, DDS
Lindy Beverly, DDS
Tiffani Branton, DDS
C. Todd Bridges, DDS
Jaime Capela, DDS
George Cernigilia, DDS
Isaac Chong, BDS
Heather Copeland, RDH
Guri Dhaliwal, DMD
Michael Egan, DDS
John Francis, DDS
Danica Fresch Gray, DDS
Leticia Gutierrez Jeffords, DDS, MS
Nick Guzman, DDS
Ashley Gwizdala, RDH
Wolfgang Hartner, DDS
David Jackson, DDS
Gray Jeffrey, DDS
Shamshudin Kherani, DDS
Janet Linn, RDH
Rodrick Loud, DDS
Joseph Magotech, DDS
Robert Malek, DDS
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Robert Moulton, DMD
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Ryan Noseck, DMD
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Annette Skowronskee, DDS
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Kevin Swartzberg, DDS
Timothy Taylor, DDS
Max Teja, DDS
Palmira Testa, DDS
Ronald Uppleger, DDS
Roger Watson, DMD
Chandeep Weerasooriya, PhD
Kazushi Yoshikawa, PhD
Get Your ALD Mastership & Fellowship Designation

by Dr. Mitch Lomke

Your Academy wants to help you to achieve your personal and professional goals. We’ll show you how! If you’ve already achieved Standard Proficiency, please don’t stop there! Reach higher for that next level of Advanced Proficiency in your chosen wavelength. However, your individual skills development and yearn to learn doesn’t have to stop there. As chair of the membership committee it is with great pride that I announce that the Academy of Laser Dentistry has initiated the awarding of new honor designations that serve to recognize the outstanding achievements of our qualifying members in the dynamic and challenging world of laser dentistry. These new honor designations are:

- Fellowship of the Academy of Laser Dentistry
- Mastership of the Academy of Laser Dentistry

I invite all of our current membership, past members as well as prospective members to go for it! Reach out for the Academy of Laser Dentistry’s distinguished golden rings of achievement.

Each award is based upon several criteria including accumulation of a specific number of laser-related CE credits, most of which can be earned at our annual conferences. The requirements required for each honor can be found on the ALD website: www.laserdentistry.org. Applications for 2009 Fellows and Masters are due December 1, 2008. Submit at http://www.laserdentistry.org/fellowship/index.cfm.

By the way, our next Academy annual conference will take place in fabulous Las Vegas in April 2009!

Evidence Based Membership

by Dr. Charlie Rhodes

How current are you? I guess it depends on which audience you’re in.

Buzz words, pearls, “aha.” What generation are you in? When did you get it? When did you arrive? Sweet!

Can you remember your first posterior composite placed? Or when the G.V. Black preparation was the only way? How about the purchase of your digital radiography system or CERAC?

Now let us consider evidence-based dentistry. I discovered it after Minimally Invasive Dentistry and a little sooner than Optical Coherence Tomography.

The American Dental Association defines evidence-based dentistry as “an approach to oral care that requires the judicious integration of systematic assessments of clinically relevant scientific evidence, relating to the patient’s oral and medical condition and history, with the dentist’s clinical expertise and the patient’s treatment needs and preferences.”

The Forsyth Center for Evidence-Based Dentistry was the first evidence-based dentistry center in the United States, established in 2003. Its goal is to promote increased use of high-quality research findings in clinical decision making.

Applying these definitions, we may ask: Can something new be better than what we learned in dental school? Or are we on the slippery slope of clinical competence?

Let us consider our Academy of Laser Dentistry. I believe we track high and true. Look at all the procedures we learned in dental school over and over until we were deemed competent. Fast-forward to today. Many operations may be completed more efficiently, and with greater comfort and improved results through the use of lasers.

Our group continues to expand dentistry with greater knowledge and teaching. The scientists, dentist, and auxiliaries combine to make up our body. Fascinating new revelations and protocols are being developed day by day within our society.

This is why I belong to the Academy. It’s difficult to imagine a more evidence-based group. I am glad that the rest of the dental world is coming around. Our instruments and techniques have definitely evolved and our patients – the reason we are here – prefer laser treatment overwhelmingly.

Congratulations to all the early pioneers and future stars in our great academy. You have set us up well.

Evidence-based dentistry may be old hat, at least to some of us, but it’s the audience that we are in that I like.

Please consider April 22-25 as we conduct our 16th annual meeting in Las Vegas, Nevada. Your gamble is a sure bet this time.

REFERENCES


Dear Colleagues,

The Academy of Laser Dentistry has a unique and proud tradition of independent education and certification for the safe and effective use of dental lasers since 1993. The dental industry and licensing communities recognize this tradition and welcome its non-partisan stance.

Under this mandate, the Academy has provided a multi-level education and certification program in which dentists and auxiliary staff can gain both recognition and certification for their clinical knowledge and application in the use of lasers. These courses and examinations will be offered at ALD 2009: Lasers in Dentistry, the Academy’s 16th Annual Conference & Exhibition at Green Valley Ranch, Las Vegas, NV, USA, April 22-25, 2009.

Take a look at our Certification Program Fact Sheets for an overview of programs. Specific dates for courses and examinations are noted. Please review the information and for additional details or clarification, you may visit our website at www.laserdentistry.org/ald2009vegas. Should you wish to enroll in the various courses, you may register online or call the Academy of Laser Dentistry main office 954-346-3776 with questions. Early registration is strongly recommended due to limited space.

Whether you are a novice or an experienced clinician, I do believe that you will benefit through increased confidence, proficiency and recognition by participating in our challenging education and certification program.

With kind regards,

Frank Y.W. Yung, DDS
Chair, Certification Committee
frankyung@rogers.com
The INTRODUCTORY LEVEL encompasses an understanding of laser physics and the uses of lasers in dentistry. The intended audience includes dentists in all disciplines, hygienists, dental assistants, office staff, industry representatives, government professionals, and anyone interested in learning about lasers in dentistry.

 Candidates in the Introduction to Lasers Hands-on course will

- Participate in 7-hours of educational instruction.
- Participate in hands-on clinical use of many different laser devices.
- Learn laser physics, the fundamentals of lasers, laser safety, and infection control.
- Learn laser types, delivery systems, operating parameters and power settings.
- Review scientific studies of both hard and soft tissue laser applications.
- Review treatment applications.

STANDARD PROFICIENCY is the basic level of education in dental laser usage, including specific laser proficiency and laboratory knowledge.

In order to apply for the Standard Proficiency Course, the student must:

1) Complete an Introductory to Lasers Course (2.5 hours of education credit)
2) Own or have access to a laser.

The intended audience includes dentists in all disciplines, hygienists, and other related staff or industry representatives who would serve as a laser safety officer.

Candidates in the Standard Proficiency Course will

- Participate in 12-hours of educational instruction.
- Learn laser physics, the fundamentals of lasers, laser safety, and infection control.
- Understand the capabilities and limitations of various dental lasers.
- Learn laser types, delivery systems, operating parameters and power settings.
- Review scientific studies of both hard and soft tissue laser applications.
- Review clinical simulations and treatment applications.
- Discuss the management of patient treatment.
- Participate in clinical simulation examination.

The student then has 60 days to complete a 75 question multiple choice ONLINE examination. There is no additional cost for this examination.

After passing the ONLINE exam, members will receive a Certificate of successful completion.

The ADVANCED PROFICIENCY level represents advanced knowledge and clinical experience with a dental laser.

In order to apply for the Advanced Proficiency Certification, the candidate must wait a minimum of one year after obtaining Standard Proficiency. The applicant can be a dentist, hygienist, or a laser safety officer.

The candidate will receive an extensive preparation instruction packet including a suggested time table and be assigned a mentor who has Advanced Proficiency.

Advanced Proficiency consists of three parts:

1) A 175 question multiple choice on-line examination.
2) A clinical simulation examination, taken at the annual conference. The candidate must have passed the on-line exam prior to the conference.
3) Preparation of five and presentation of one or two clinical cases at the annual conference. This part has a two year waiting period following Standard Proficiency.

After passing all three parts, the member will receive a certificate of successful completion.
We would like to hear from you.
If you’d like to network with other ALD members please contact any committee chair or call the ALD office TODAY!

Toll Free: 877-527-3776

Or send an email to Heather at memberservices@laserdentistry.org

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Videos are also available from past ALD conferences.

December 8, 2008 Symposium
Lasers and Light Based Technology Utilization in Dentistry

AGENDA

8:00 - 8:15 Welcome and Introductions; The Roles and Missions of the ALD and the FDA, Moderators: Ronald W. Waynant, Ph.D. Senior Optical Engineer, FDA/CDRH
Donald Coluzzi, D.D.S., Editor in Chief, The Journal of Laser Dentistry

8:15 - 8:45 An Overview and History of the Impact Light Based Technologies in Dentistry, Terry D. Myers, D.D.S., Past President of the International Academy of Laser Dentistry

8:45 - 11:00 Light Based Technology Utilization in Dental Treatment

8:45 - 9:30 Laser Interactions with Soft and Hard Oral Tissues and Their Applications
Michael Swick D.M.D., Member Board of Directors of Academy of Laser Medicine

9:30 - 10:00 Break

10:00 - 10:30 Preventive Applications, Peter Rechmann, Prof. Dr. Med. Dent. D.D.S. Ph.D
President of the Academy of Laser Dentistry, Professor and Director Clinical Sciences Research Group, University of California San Francisco

10:30 - 11:00 The Utilization of Light Based Technologies in the Practice of Dental Hygiene, Angie Mott, R.D.H., Member Board of Directors of Academy of Laser Dentistry

11:00 - 12:00 The Role of Light Based Diagnostic Technologies

11:00 - 11:30 Tissue Fluorescence (Autofluorescence) Role in the Diagnostic Process, Scott D. Benjamin, D.D.S., Vice-Chair of the Education Committee of the Academy of Laser Dentistry, Working Group Chairman ADA Standards Committee on Dental Products on Dental Lasers

11:30 - 12:00 Optical Coherence Tomography (OCT) Diagnostic Imaging, Craig Gimbel, D.D.S., Past President of the Academy of Laser Dentistry

12:00 - 1:00 Lunch (on your own in the building cafeteria)

1:00 - 1:15 The Use of Low Level Laser Therapy / Photobiomodulation in Oral Health

1:00 - 1:30 Mechanisms of Low Level Light Therapy (LLLT), Michael R. Hamblin, Ph.D. Associate Professor, Harvard Medical School, Principal Investigator, Wellman Center for Photomedicine at Massachusetts General Hosp.

1:30 - 2:00 Light Modulates DNA, RNA and Protein Expression in the Nervous System, Juanita J. Anders, Ph.D., Professor, Department of Anatomy, Physiology, and Genetics Uniformed Services University of the Health Sciences

2:00 - 2:45 LLLT Activated TGF-beta: a Molecular Mediator in Oral Wound Healing and Dentinal Repair, Praveen R. Arany, B.D.S., M.D.S., Harvard School of Dental Medicine

2:45 - 3:15 Near Infrared LED Photobiomodulation to Enhanced Bone Density and Osteointegration, Jerry Bouquot, D.D.S., M.S.D., Professor & Chair, Dept of Diagnostic Sciences, Univ of Texas, Dental Branch at Houston

3:15 - 3:30 Break

3:30 - 4:15 FDA Physics Division’s Research on Light Based Technology, Ronald Waynant, Ph.D.

4:15 - 5:00 Open Forum Discussion “The Future and Where Do We Go From Here?” Don Coluzzi, D.D.S. – Moderator
Dr. Steven Parker, 2008 Chair of the ALD Education Committee, outlines the work of the committee and summarises recent proposals for change.

“To know is to use, to understand is to empower.” I don’t know where this saying originated but I’ve used it many times to emphasise the link between clinical laser use and responsible education. The marketing claims of the laser manufacturer may be often matched by the expectation of the patient in seeking laser dentistry, but the responsibility of the clinician is to deliver laser therapy in a predictable way and based on a thorough knowledge of all aspects of laser-tissue interaction.

The Academy of Laser Dentistry is unique in offering truly objective education that includes all currently available laser wavelengths in clinical dentistry. There is a similarity between such education and driving lessons – there may be a wish to use just one laser, as one may wish only to drive one car, but the responsibility is to ensure a thorough grounding that caters for any possible future change. Such understanding engenders a competence to allow the necessary adaptation that individual clinical treatments may demand.

Historically – and such has been the enormous development in clinical laser dentistry during the past 15 years – it was necessary to offer instruction in the use of one or two distinct laser machines and to offer such instruction to existing laser users. With the increase in laser availability and clinical techniques, a large number of professionals have been drawn toward the many benefits of laser use, yet have no direct experience. To cater to such a group, the Academy developed an Introductory Course to provide basic information of how lasers work and to provide a background that would assist the potential laser dentist or hygienist in their ideal choice of laser within their practice.

The Academy drew upon the Curriculum Guidelines and Standards for Dental Laser Education to produce the framework for multi-tier education that resulted in the Introductory Course and two levels of Proficiency – Standard and Advanced. Standard Proficiency is considered a level of competence for the general practitioner and for many years both Proficiencies were examined at the Academy’s Annual Conference.

In 1999, under the guidance of Professors Fritz Parkins and Joel White, along with Mr. John Sulewski, the Academy set up the Recognised Course Provider (RCP) – suitably qualified individuals who would be “licensed” to offer Standard Proficiency courses and certification at dates and venues outside the Annual Conference. Since then, successive growth in the number of RCPs – currently more than 25 – has enabled the objective education structure of the Academy to extend throughout the USA and internationally.

The policies and protocols surrounding the appointment and re-validation of RCPs has recently been the subject of review in order to streamline procedures and ensure a uniformly high level of quality to all aspects of dental laser education. The Education Committee has reviewed the core teaching material and will propose a broadening of material being taught by RCPs to complement development in technology and clinical techniques. Through a new ongoing re-validation process, RCPs will receive continuing education in laser use that they can then integrate into their courses and such updates will be on a yearly basis. Through such commitment, it is envisaged that Academy course providers will be the prime source of objective education in laser use in dentistry.

All RCPs will be encouraged to teach students to Standard Proficiency level. The growing demands of licensing bodies worldwide means that course attendance may not be sufficient, but that certification is a better measure of competence. To allow students to receive Standard Proficiency certification, the Academy has recently launched its online written examination and all students will be encouraged to complete their individual course experience by taking the exam and receiving Academy endorsement of their success.

Through new proposals, all RCPs will be able to offer continuing education credits to students attending their courses and the Academy will be able to underwrite these credits through a centralisation of data on all those attending courses, whether they are existing Academy members or not.

The breadth of new developments in education means that the wish of the Academy to bring quality, approved content and objective teaching of laser dentistry to all is becoming more feasible. At the same time, the expectation of the level of teaching being provided by RCPs is being raised in keeping with the growing level of evidence-based knowledge of laser use. Through such action, it will be appreciated that the Academy provides comprehensive education that is unique, constantly updated, and complementary to the needs of the modern dental professional.

2009 CONFERENCE...
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SPECIAL RATES FOR UNIVERSITY FACULTY
The Academy of Laser Dentistry invite University Faculty to attend ALD 2009 at a discount for FIRST TIME ATTENDING FACULTY from University Dental Schools

Registration is $455....a savings of over $700.
Each year we solicit names of members who you feel might serve as volunteer leaders of our Academy. As Chairman of Nominations for 2009, I invite you to share with us any recommendations you might have for consideration by the Nominations Committee to serve as members of the ALD Board of Directors. I’d be happy to hear from any member so please call or email.

Characteristics and Attributes of an Ideal ALD Board Member

- **Proven Performance**
  Leadership requires knowledge, talent, skill, vitality and the ability to make a difference. In the association environment, that translates into a solid track record of contributing to the success of programs, events or projects.

- **Commitment**
  Serving as an association leader is both an honor and a reward, but it requires a demonstrated commitment to the organization and its mission and goals.

- **Time to Serve**
  Participating fully in association activities requires extra time to prepare for travel and attend meetings.

- **Understanding of Team Work**
  Many people contribute their efforts toward the realization of an association’s goals and objectives – no one does it alone. Well developed interpersonal and communication skills are essential to effective teamwork.

- **Sound Judgment and Integrity**
  In many instances, popularity brings potential leaders into the limelight of an association. But popularity must be tempered with good judgment and integrity. Decisions may need to be made that are not popular with the members.

- **Communication and “Teaching” Skills**
  By virtue of their position, current leaders serve as mentors and teachers to future leaders. Enthusiasm – a zest for serving the association is an important ingredient that leaders must be able to pass along to their successors.

- **Ability to Subordinate Special Interests**
  Leaders often emerge because of their special expertise or effective representation of a specific constituency. Leadership, however, may require subordinating those interests for the greater good of the association.

- **Be Strategic Thinkers**
  Intuitive and interpretive skills enable leaders to understand the people around them, internalize the data they receive, recognize the relationships that exist between the systems within their world and integrate all these elements into a coherent whole.
GET CERTIFIED
ALD offers various levels of Certification including Introductory, Standard and Advanced Proficiency and Educator.

This program is recognized by several state licensing dental boards as the dental laser certification standard.

ALD’s Certification is offered worldwide and includes unbiased education along with hands-on experience using the largest variety of dental lasers.

The Academy is devoted to clinical education, research and the development of standards and guidelines for the safe and effective use of laser technology worldwide.

ATTEND OUR ANNUAL EVENT!
ALD 2009: “A SAFE BET” INCORPORATING LASER TECHNOLOGY INTO DENTAL PRACTICE

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• Diagnostic Tools
• Standards of Care, Medical Billing, Treatment Planning, Laser Safety

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BECOME A MEMBER
The Academy of Laser Dentistry is an international non-profit association of dental practitioners and supporting organizations dedicated to improving the health and well being of patients through the proper use of laser technology.

Member benefits include a subscription to The Journal of Laser Dentistry, Continuing Education Opportunities, Patient Referrals, Newsletters, Publications, Patient Education Brochures and more.

Eligible Members may apply for ALD’s esteemed Fellowship and Mastership Programs.

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