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## Evidence-Based Data on Dental Trauma Almost a Click Away

### *AAE Foundation Funds Unique Trauma Database*

The only predictable thing about accidents is that they happen. Roughly one-half of the U.S. population has experienced some kind of dental trauma. Although mishaps like falling off a bicycle or getting hit with a ball are common, the resulting dental injuries are highly complex. The many possible combinations of fractures and luxations make for a difficult diagnostic process. Treatment choices are equally confounding. A myriad of approaches can be taken with every injury. A successful outcome hinges on correctly evaluating many clinical factors and making the right decisions quickly. With treatment often occurring under stressful circumstances, even dentists who regularly care for trauma patients may find the process daunting. There is a tendency in emergency situations to use overly aggressive procedures that may actually impede the healing process by damaging tissue and inviting bacteria into the pulp space.

Dr. Jens O. Andreasen is intent on providing clinicians from New York to New Guinea with a new hi-tech solution to help them quickly and efficiently identify the correct course of action for each patient. Dr. Andreasen, a world-renowned trauma expert and associate professor in the department of oral and maxillofacial surgery at University Hospital in Copenhagen, Denmark, is developing a database of information related



to traumatic injuries. When the database is completed, dentists all over the world will be just a click away from a comprehensive library on trauma and an evidence-based decisionmaking tree that will guide them through their cases. Dr. Andreasen's work is being supported by a \$60,000 grant from the AAE Foundation. The project has also received funding from the International Association of Dental Traumatology and a Danish national grant.

Although the database is a 21<sup>st</sup> century tool, the project has its roots back in 1965. At that time, the Trauma Center in Copenhagen initiated a prospective study to identify evidence-based treatment for dental injuries. Standardized protocols were developed for each type of case and the extent and severity of injuries was documented photographically. Cases with the potential for complication were followed over time. After 43 years and 30,000 cases, 3,600 cases were selected to be included in a trauma library. These cases represent all 108 trauma entities affecting the permanent and primary dentition. In addition, 18 predictors for treatment complications were isolated. Depending on the type of injury, these factors can be used to assess the probability of pulpal and periodontal healing. The database makes this information readily available to dentists in any location, at any



*Dr. Andreasen works on the trauma database in his lab.*



## From the President

Dear Colleague:

Ten years ago, our specialty was a little like a family living from paycheck to paycheck. The bills were getting paid, but the kids might not be going to college. We were not saving for our future. That is no longer the case. Today, we have a \$20 million endowment fund. In 2008, we will distribute over \$1 million in grants. The impact of this investment is profound. It gives us a strong voice in the dental health community and enhances the respect and credibility we enjoy with our patients and our peers.

Several long-awaited goals were recently achieved. The Foundation funded two significant research projects comparing outcomes of implants versus endodontics. Dr. Jianing He of Baylor College of Dentistry, received a grant of \$82,303 for year one of a five-year prospective project involving 200 patients. In addition to comparing clinical results, for the first time ever, patients will also have their masticatory function evaluated and various quality of life issues will be assessed.

Dr. Walter Bowles at the University of Minnesota received \$292,214 for a multicenter collaboration involving institutions in several different geographic areas of the United States. The study is a retrospective comparison of initial nonsurgical root canal treatment and retreatment with single-tooth implant supported restorations. The research team will examine case records from 10,000 patients to identify factors that will allow clinicians to make informed treatment decisions. These projects are certain to stimulate more complex investigations and add to the evidence basis of our specialty. More specific information about both projects is included in this issue.

A number of other exciting new grants are also being initiated:

- **A grant to endodontic departments to support a research project for each new resident (\$500 per resident or approximately \$100,000 annually).**
- **A competitive matching grant of up to \$100,000 to an academic institution to support fundraising efforts for endowed faculty.**
- **A Postgraduate Fellowship Award, which will provide \$100,000 to an endodontist who has been a specialist for 10 years or less and agrees to teach full-time for five years.**

None of these programs would be possible without the generosity and foresight of AAE members. Over half of Active AAE members have pledged at least \$2,000 to the endowment fund. If you have yet to pledge, I invite you to join them. The Foundation is our savings account and provides the resources to meet challenges and stimulate clinical and scientific advancement. If you are attending the Annual Session in Vancouver, be sure to visit the Donor Honor Roll in the Exhibit Hall. This impressive list represents your specialty's commitment to you, to your practice and to our future.

Sincerely,

Denis (Chip) E. Simon III, D.D.S., M.S.

## Creative Financing

If you are thinking about a first-time pledge or would like to increase your current commitment, these payment strategies might make your decision easier:

💰 In lieu of courtesy care, consider asking referring doctors, friends or family, to make a contribution to the Foundation in your name. It's a win-win situation—their gift is tax deductible to the full extent of the law and you might pay your pledge without ever writing a check. A Grateful Patient Form is enclosed with this newsletter.

💰 Pay your pledge with appreciated stock. You will eliminate the capital gains tax and receive an income deduction for the full market value of the stock. Guidelines for gifts of stock are enclosed with this newsletter.

## Retrospective and Prospective Studies Compare Implants and Endodontics

Retrospective and prospective protocols look at a research question through different lenses. Prospective research examines data in the present and the future. It begins with a hypothesis and follows patients over time to identify developments and outcomes. Retrospectives studies look to the past. Researchers investigate pre-existing information, such as patient records, to discover similarities and differences. The AAE Foundation is currently funding both types of research to provide clinicians with evidence-based information on endodontic therapy compared to implants.



Dr. Jianing He

In November 2007, Dr. Jianing (Jenny) He, assistant professor in endodontics at Baylor College of Dentistry, received a grant of \$82,303 for year one of what is anticipated to be a five-year prospective project. Dr. He will follow 200 patients beginning in January 2008 through 2012. Half will receive an implant and half will be treated endodontically.

Only patients with a mandibular first molar with failed nonsurgical root canal treatment will be eligible. Patients who have not already received a root canal will be excluded because the decision to save the tooth would be more likely for them.

For the first time ever in a comparative study, the two groups of patients will have their masticatory function evaluated and will complete questionnaires to assess multiple quality of life issues ranging from ability to chew, taste and enunciate clearly, to perceptions about personal appearance, self-confidence, satisfaction with the treatment process and the cost of the procedure.



Dr. Walter Bowles

Dr. Walter Bowles, associate professor at the University of Minnesota, received \$292,214 in April 2007 for a multicenter collaboration involving institutions in several different geographic areas of the United States. The study is a retrospective comparison of initial nonsurgical root canal treatment and retreatment with single-tooth implant supported

restorations. The research team will examine case records from 10,000 patients who received treatment to provide a timeline for outcomes over a 10-year period. This project will require two-and-a-half years to complete.

Researchers will compare teeth treated with an implant to matched restored endodontically treated teeth. Four possible outcomes have been identified—success, survival, survival with subsequent treatment intervention and failure. The project will also include an analysis of other potential prognostic factors, such as location in mouth, age, gender, loss of alveolar bone height, obturation level, implant length and width, diabetes, smoking, apical periodontitis, post placement, number of appointments for endodontic treatment, costs and adjunctive procedures needed.

“These two studies are highly complementary,” says Dr. Julian R.D. Moiseiwitsch, chair of the AAE Research and Scientific Affairs Committee. “Combined they should give us many answers and also spawn additional questions.”

Foundation President Denis E. Simon III, notes that, “by adding to the evidence basis of our specialty, these projects will serve as spring boards for larger and more complex investigations. One of the Foundation’s primary goals is to strengthen endodontic departments. We hope that by providing major grants to both these schools, we have helped them to elevate the specialty’s profile within their respective institutions and to enhance their own fundraising efforts.”

## In Appreciation

The AAE Foundation gratefully acknowledges these partners from industry for leadership support to endodontic research and education:

**\$1,000,000**  
DENTSPLY INTERNATIONAL  
DENTSPLY TULSA DENTAL SPECIALTIES

**\$295,000**  
SYBRONENDO

**\$100,000**  
PBS ENDO  
SCHICK TECHNOLOGIES, INC.

**\$75,000**  
GLOBAL SURGICAL CORPORATION  
TRELOAR & HEISEL, INC.

**\$50,000**  
ACETON NORTH AMERICA  
DISCUS DENTAL SOFTWARE  
OBTURA SPARTAN  
ULTRADENT PRODUCTS, INC.  
CARL ZEISS SURGICAL, INC.

**\$35,000**  
CHARLES B. SCHWED, INC.

**\$25,000**  
ASI MEDICAL, INC.  
BRASSLER USA  
BIOMET 3i  
ELSEVIER  
EI, ENDOINGENUITY—A HU-FRIEDY CO.  
GUIDANCE ENDODONTICS  
PRACTICE WORKS  
NOBEL BIOCARE  
PENTRON CLINICAL TECHNOLOGIES  
PRO-DEX, INC.  
HENRY SCHEIN DENTAL  
ZIMMER

There are many reasons why members contribute to the Foundation. Following are thoughts shared by donors, volunteers and grant recipients on what giving means to them:

"I was largely unaware of the work of the Foundation prior to volunteering. I still have a lot to learn, but I'm struck by how far reaching and enabling the Foundation can be. In the orientation conference call, I was impressed by how organized and upbeat the session was. I felt like I was part of something dynamic and big."  
— *Dr. Mark V. Nearing (Donor and Campaign Volunteer)*

"I believe that by volunteering I can educate others about the importance of the Foundation, so that we can control our destiny rather than have other specialties or manufacturers do so."  
— *Dr. Mark A. Camp (Donor and Campaign Volunteer)*



*Dr. André K. Mickel*

"After all that the AAEF and AAE have done for educators and for our entire specialty, how can I just stand by and not give even more to help ensure the future of endodontics? I want to give my time, talent and treasure to make sure that we remain strong and steadfast in a turbulent world!"  
— *Dr. André K. Mickel on increasing his pledge to the Diamond level (Donor)*



*Dr. Hong Li*

"It is such a distinctive honor to be the recipient of an AAE research grant. The field of virology in endodontics is still mostly blank, and I believe our project will answer some of the perplexing questions. The AAE Foundation has sponsored a great deal of outstanding research projects. I am committed to live up to the highest expectation of the AAE and fulfill the requirements of the Foundation."  
— *Dr. Hong Li (Donor, Grant Recipient, Graduate Resident—Oregon Health & Science University)*



*Dr. Donna J. Mattscheck*

"I know how important it is to the strength and future of our specialty to have endodontists in academics. Having been a full-time educator I understand the challenges. Now that I am no longer physically there on a daily basis, I feel the obligation to support the individuals and the process in some way. I do this not only by contributing to the program and individuals who trained me, but also by giving to the Foundation. The Foundation has several initiatives that help support and develop endodontic educators. I feel good about this; I know they need and deserve all the help we can give them."  
— *Dr. Donna J. Mattscheck, (Donor, Foundation Trustee)*



*Dr. Michael J. Feldman*

"What a gift we have as endodontists. We are able to practice in a profession that is supported by manufacturers who strive to make what we do easier with more predictable results. Fortunately, as such, we benefit with additional time in our office to refine our clinical techniques and time out of the office to pursue community and family involvement. The Foundation supports research that confirms our clinical impression of these new products and gives us a sound scientific basis for what appears to be a more beneficial result for our patients. As a second-generation endodontist, I have reaped the benefit of our specialty all of my life. I believe that in order to maintain a strong scientific basis, and to support teaching of endodontics by endodontists, I have an obligation to support the Foundation. I mean, come on, a small commitment to the Foundation can translate to a large commitment to our future."  
— *Dr. Michael J. Feldman (Donor)*

## SybronEndo Gives Philanthropy a Boost

### *Company Sponsors Leadership Donor Reception*

SybronEndo hopes to encourage more AAE members to increase their support of the Foundation through its sponsorship of a Leadership Donor Reception at the 2008 Annual Session in Vancouver, British Columbia, Canada.

Members who have contributed at the Founder (\$10,000) level and above are invited to attend this special event. The reception will take place on Saturday, April 12, from 6:30 - 7:30 p.m. in the Cypress Suite of the Pan Pacific Hotel.

This is the second year the company has honored Leadership Donors. The Foundation is extremely grateful for SybronEndo's generosity and the company's ongoing commitment to the specialty.



# Volunteers Educate, Inform and Encourage

*“Never think you need to apologize for asking someone to give to a worthy cause, any more than as though you were giving him or her an opportunity to participate in a high-grade investment. The duty of giving is as much his or hers as is the duty of asking yours.”—John D. Rockefeller Jr.*

Volunteers are the Foundation’s most important resource. Their role is critical to its success. While fundraising is one of their objectives, raising awareness is the most important goal. There are many members who have limited knowledge about the Foundation’s mission and activities. The volunteer’s role is to share information, answer questions and pass along their personal endorsement. It can be a challenging job, and the Foundation is deeply grateful for their commitment and enthusiasm.

## FRIENDS OF THE FOUNDATION educate their colleagues about the Foundation’s mission.

Robert B. Amato	Kirk A. Coury*	George T. Goodis	Katherine C. Lacoste	William K. Morgan	Jerome V. Pisano*	Clara M. Spatafore
Murat Ayik	Patrick E. Dahlkemper	Abeer A. Hafez	Jeffrey P. Lilly	Matthew Nealon	William D. Powell	Maureen L. Swift*
Matthew W. Baird	Gerald C. Dietz Jr.*	Spencer P. Hinckley	Kimberly A.D. Lindquist	Mark V. Nearing	GorgAnna Randolph*	Fred L. Sykes
Jessica L. Barr	Samuel O. Dorn	David T. Holden	William W. Lyons	Royeen Nesari	Louis E. Rossmann*	Demetrios C. Syrpes
George Bogen*	Scott L. Doyle	Erik E. Jansen	Donna J. Mattscheck*	Bill Newell*	Paula Russo	Peter Z. Tawil
G. Matthew Brock	Ty E. Erickson	Lina Jarboe	Judy D. McIntyre	Samuel W. Oglesby	Richard T. Rutledge	Patrick E. Taylor
Mark A. Camp	Natasha M. Flake	Hemant Kapadia	Kevin B. Melker	John S. Olmsted*	Christopher R. Sabourin	Carl L. Tinkelman
Chad A. Campanelli	David C. Funderburk	Anna O. Kirakozova	Philip L. Michaelson	Katherine E. Olson	Mark A. Schachman	Dennis L. Torney
Jerry M. Carbone	Todd Geisler	Takashi Komabayashi	Jeffrey G. Minchau	Steve Paskin*	Hank Schiffman	Dareen Toskos
Robert A. Coleman	Jennifer Gibbs	Keith V. Krell*	Raksha Mirchandani	Kevin L. Peterson	Michou T. Shell	Callie M. Vasilakis
Allen D. Colic	Gerald N. Glickman*	James C. Kulild	Hal W. Mohorn	Mary T. Pettiette	Denis E. Simon III*	John D. West
Taylor P. Cotton	Shepard S. Goldstein*	Margot T. Kusieniski	Steven G. Mohorn	Roberta Pileggi	A. Eddy Skidmore*	James F. Wolcott

## STUDENT AMBASSADORS educate residents at endodontic programs about the Foundation’s role in their future profession.

Institution	Ambassador	Institution	Ambassador	Institution	Ambassador
Albert Einstein Medical Center	Frederic Barnett	St. Louis University	Jerome V. Pisano*	University of Minnesota	Alan Law
Baylor College of Dentistry	Gerald N. Glickman*	Tufts University	Robert B. Amato	University of Missouri at Kansas City	James C. Kulild
Boston University	Jeffrey W. Hutter	State University of New York at Buffalo	Ming Shih Levine	University of Nebraska	Jeri R. Rush
Case Western Reserve University	André Mickel	University of Alabama	Denis E. Simon III*	University of North Carolina	Judy D. McIntyre
Columbia University	Noah Chivian	University of California at Los Angeles	George Bogen*	University of Pennsylvania	Louis E. Rossmann*
Harvard University	Shepard S. Goldstein*	University of California at San Francisco	W. Craig Noble	University of Pittsburgh	James A. Wallace
Indiana University	Carl W. Newton	University of Connecticut	Jay Marlin	University of Southern California	George Bogen*
Loma Linda University	Mahmoud Torabinejad	University of Detroit Mercy	Gerald C. Dietz Jr.*	University of Texas at Houston	Kirk Coury*
Louisiana State University	Denis E. Simon III*	University of Florida	Samuel O. Dorn	University of Texas at San Antonio	Richard Schwartz
Medical College of Georgia	Robert J. Loushine	University of Illinois	Jerome V. Pisano*	University of Washington	Maureen L. Swift*
Marquette University	Donna J. Mattscheck*	University of Iowa	Jeffrey P. Lilly	V.A. Medical Center at Long Beach	George Bogen*
Naval Postgraduate Dental School	James O. Roehen	University of Louisville	Leslie A. Malueg	Virginia Commonwealth University	B. Ellen Byrne
New York University	Marc Balson	University of Maryland	Ashraf F. Fouad	West Virginia University	A. Eddy Skidmore*
Nova Southeastern University	A. Eddy Skidmore*	University of Medicine & Dentistry of New Jersey	Noah Chivian		
Ohio State University	Al Reader	University of Michigan	Gerald C. Dietz Jr.*		
Oregon Health & Science University	Kathryn C. Wright				

\* Indicates a Foundation Trustee

## Evidence-Based Data on Dental Trauma Almost a Click Away , continued from page 1

time, day or night.

Dr. Andreasen’s goal is to have the database ready for access by the end of 2008. In addition to the trauma library and diagnostic features, he also hopes to include links to scientific articles that are related to the various trauma scenarios and the option of providing a printed treatment record for patients.

“I am personally very proud of the support that the Foundation has provided for Dr. Andreasen for this project,” says Dr. Leif K. Bakland, executive director of the International Association of Dental Traumatology. “Dental trauma is an area where endodontists have become the recognized leaders within the profession and the work being done by Dr. Andreasen (who is an

Honorary AAE member) will further raise the esteem by which our specialty is viewed.”

Dr. M. Lamar Hicks, clinical professor at the University of Maryland, notes that, “this project is potentially one of the most important recent undertakings in dental health care because of its worldwide ramifications for improving the quality of life for literally millions of people who suffer dental trauma. It will do so through a sophisticated software program that will provide critical assistance to dental practitioners in the United States and around the globe in making proper diagnoses, developing effective treatment plans and ultimately improving prognoses.”

## Online Database Will Gather Evidence

Preserving the natural tooth has long been the specialty's focus, but saving the pulp may soon become a more viable option than ever before. Procedures like vital pulp therapy and guided tissue and bone regeneration are the precursors to exciting new developments. Recent major advances in stem cell research have heightened awareness about the potential that these and other regenerative techniques hold for dentistry. The AAE Foundation has committed \$15,000 towards the development of a database that will collect information from clinicians across the country.

The AAE Regenerative Endodontics Committee is overseeing the development of the database and the analysis and reporting of findings. "Clinicians in the United States and internationally are performing successful revascularization cases," says Committee Chair Dr. Alan S. Law, "but there are many questions to be answered about which procedures and medicaments are most effective and why they work. The database is a first step towards accumulating a body of evidence."

The project will begin with a pilot group of about 100 endodontists who will post clinical information and radiographs to an online survey

site. By comparing data from many different cases, the committee hopes to find answers concerning the incidence and predictors of healing of apical periodontitis in cases of necrotic root canal systems of permanent teeth when treated with nonconventional "revascularization" methods. This information will form the basis for future research studies and, eventually, a clinical trial.

"We already know that diseased tissue can be replaced by stem cells. It's important to find out how to create the best environment to promote their growth and differentiation," says Dr. Law. "The committee's current focus is on regenerating the pulp dentin complex in order to allow continued root development. However, there are many forms of regeneration that could build on or replace this procedure, such as using scaffolds or matrices on which stem cells have already been placed." To support researchers and clinicians, the committee is also developing ethical guidelines for research and practice.

Dr. Law believes that, "regenerative procedures are an area where endodontists can make a significant impact on oral health. Our committee was formed to ensure that the specialty takes the lead in this emerging field. We have a great group of individuals who are highly enthusiastic and support the AAE and the Foundation in putting endodontics on the 'cutting edge' of regenerative research. Being in a leadership position will definitely help to elevate our profile both with the public and throughout the dental health community."



Members of the Regenerative Endodontics Committee are pictured from left to right: Drs. Shiwei Cai, Peter E. Murray, Donna J. Mattscheck, Alan S. Law (chair), Peter Z. Tawil and Jianing He. Missing: Dr. Kenneth M. Hargreaves.

## Going Once...Going Twice...Going ONLINE!

### Bidding for Foundation Auctions Starts Before Annual Session



The Live and Silent Auctions are returning to the 2008 Annual Session in Vancouver, British Columbia, Canada, with a new twist—the bidding begins online! Members will have the opportunity to view the auction catalogs and place early bids for items starting **Thursday, March 27, 2008** on the AAE Web site.

Bidders need not attend the meeting to place an offer on an array of endodontic products, but online bidding will close on Thursday, April 8. The highest bids will be carried over to the conclusion of the auctions in Exhibit Halls B-C in the Vancouver Convention & Exhibition Centre. Attendees on site will have an opportunity to continue raising the bids, but those who are not at the meeting can set a high-bid limit for the product or service they wish to purchase.

The Silent Product Auction features equipment, instruments and other products valued up to \$5,000.

Bidding will close at 4:30 p.m. on Friday, April 11, and winners will be posted at the AAE Foundation Booth, as well as notified by Foundation staff if they are not in attendance.

For a more interactive experience, the Live Auction will take place during the Exhibit Hall Happy Hour with complimentary cocktails provided on Thursday, April 10, from 5 - 6 p.m. Bid on bargains for equipment, instruments and other products valued over \$5,000.

As always, the proceeds of both auctions will go toward the AAE Foundation, which provides up to \$1 million in funding for endodontic education and research annually.

For more information or to get involved please contact Suzanne Riger, development coordinator, at [sriger@aae.org](mailto:sriger@aae.org), or 800/872-3636 (North America) or 312/266-7255 (International).

# Roster of 2007 Research Grant Recipients

<b>Applicant</b>	<b>Institution</b>	<b>Project</b>	<b>Funding</b>
Carmina Barone	University of Toronto	Prospective Study of the Outcome of Apical Surgery: The Toronto Study, Phases III-V	\$10,150
David Berrios	University of California at Los Angeles	Osseous Healing With BMP-2 and Oxysterols	\$18,000
Derek Duggan	University of North Carolina	A Comparison of the Ability of Gutta-Percha and Resilon to Prevent Apical Periodontitis When no Coronal Seal is Present for 6 Months	\$21,522
Dominick Alongi	University of Maryland	Effect of Inflammation on Pulp Stem Cell Potency	\$24,325
Gretchen Dalrymple*	University of Maryland	Identification of Antibiotic Resistance Genes in Primary and Persistent Endodontic Infections	\$11,102
Joel Fransen	Baylor College of Dentistry	Sealing Ability of Activ GP™—A Bacterial Leakage Study	\$3,000
<b>John Nusstein*</b>	<b>Ohio State University</b>	<b>An <i>In Vivo</i>, Prospective, Randomized, Single-Blind Study Comparing Operative and Postoperative Pain of a Hand and Rotary Instrumentation Technique Versus a Hand and Rotary Instrumentation Plus Ultrasound Technique in the Root Canals of Vital and Necrotic Teeth</b>	<b>\$7,736</b>
Karla Ring	Nova Southeastern University	Comparison of Cell Survival and Adherence to Dentin Following Endodontic Irrigation	\$3,400
Matthew Gebhardt	Nova Southeastern University	Optimization of Endodontic Tissue Engineering Scaffolds	\$4,130
Michael C. Larsen	Baylor College of Dentistry	An Evaluation of Postoperative Discomfort and Treatment Outcome of Root Canal Therapy With or Without Patency Filling	\$4,500
Midori Tachibana	University of California at Los Angeles	The Effects of Fusobacterium Nucleatum on Human Dental Pulp Stromal Cells	\$12,000
Taylor Cotton	University of Texas Health Science Center at San Antonio	Resilon and Gutta-Percha: A Retrospective Study of Healed Vs. Nonhealed	\$2,500
Todd Geisler	University of Texas Health Science Center at San Antonio	Development of a Model to Evaluate Regenerative Endodontic Techniques	\$30,000
<b>Walter Bowles (Request for Proposal)</b>	<b>University of Minnesota</b>	<b>Factors Affecting Outcomes for Single-Tooth Implants and Endodontic Restorations</b>	<b>\$292,214</b>
<b>TOTAL SPRING GRANTS</b>			<b>\$444,579</b>
<b>Satish Alapati</b>	<b>Medical University of South Carolina</b>	<b>A Novel Approach for Isolation and Guided Differentiation of Dental Pulp Side Population (Sp) Cells for Regeneration and Mineralization of Periradicular Tissue</b>	<b>\$4,000</b>
Emad Alshwaimi	Harvard University	Role of Regulatory T Cells in Periapical Bone Lesions	\$15,000
Hong Li*	Oregon Health & Science University	Identification of Latent and Reactivated Herpesviruses in Endodontic Pathoses	\$12,500
Ivan Nedeltchev	State University of New York at Buffalo	Osteoinduction Potential of MTA in Rat Muscle	\$3,060
Katherine Olson	Baylor College of Dentistry	The Effects of Neuropeptide Y on Periapical Lesion Development in Mice	\$5,898
Lindsay Pabst	Ohio State University	Anesthetic Efficacy of a Repeated Infiltration Injection	\$6,272
<b>Kevin Rowland*</b>	<b>Southern Illinois University</b>	<b>The Role of Cold-Sensitive TRP Channels in Generating Dental Pain</b>	<b>\$16,230</b>
Jessica Russo	University of Maryland	The Relationship Between Chronic Endodontic Infections and the Progression of Systemic Disease in a Mouse Model	\$11,828
Jaruma Sakdee	Harvard University	Osteogenic Amplification by Hypoxia	\$5,000
Jen-Kuei Wang	University of California at Los Angeles	Molecular Characterization of the Microbial Flora Residing at the Apical Portion of Infected Root Canals of Human Teeth	\$4,000
<b>Jianing He (Request for Proposal)</b>	<b>Baylor College of Dentistry</b>	<b>A Comparative Analysis of Endodontic Retreatment and Single Implant Supported Restoration</b>	<b>\$82,303</b>
<b>TOTAL FALL GRANTS</b>			<b>\$166,091</b>
<b>TOTAL 2007 GRANTS</b>			<b>\$610,670</b>

**Bold** – Faculty

\* Highest-scoring resident and faculty applicants. RFPs were not considered in this competition.

# AAE Foundation Receives \$50,000 Bequest From the Estate of Dr. Philip W. Cohen



*Dr. Cohen accepted the Edgar D. Coolidge Award, the AAE's highest honor, during the 2005 Annual Session in Dallas, Texas.*

The AAE Foundation recently received a \$50,000 bequest from the estate of Philip W. Cohen, D.D.S., M.S. Dr. Cohen, who passed away on April 9, 2005, was a leader in the Association and in organized dentistry throughout his entire career. He served in many volunteer capacities including as president of the AAE. Dr. Cohen also received the Edgar D. Coolidge Award, one of the Association most prestigious tributes.

Dr. Cohen's former partner, Dr. Robert A. Coleman remembers him as, "the total professional. No one, whose privilege it was to know him, is likely to forget the candor of his speech, his

courage, or the warm and glowing brightness of his friendship. He earned the respect of his peers, the trust and admiration of his staff and patients, and the love and devotion of his family and friends."

"Phil was dedicated to the best interests of endodontists and genuinely humbled by the trust of the membership," said friend and colleague Dr. Carl W. Newton. "Above all, he was generous with his enthusiasm, friendship and loyalty. Phil's example has made me a better leader, husband, father and friend. I miss him dearly."

The Foundation's current president, Dr. Denis E. Simon III, who served with Dr. Cohen for seven years on the AAE Board of

Directors noted, "Phil was the hardest working AAE volunteer I have ever had the pleasure to work with. We all miss him tremendously."

Dr. Cohen's bequest to the Foundation reflects his deep commitment to professional excellence through support to research and education. The campaign to build an endowment was launched in 1995 during his AAE presidency. His vision for a multimillion dollar fund that would secure the specialty's future inspired many other members to pledge their support. Dr. Cohen's enthusiasm as a fundraiser was highly instrumental in helping the Foundation to achieve its ambitious goal of raising \$5 million in less than five years. Both during his tenure and after, he worked to ensure the Foundation's success. Today's \$20 million endowment fund is a testament to that dedication.

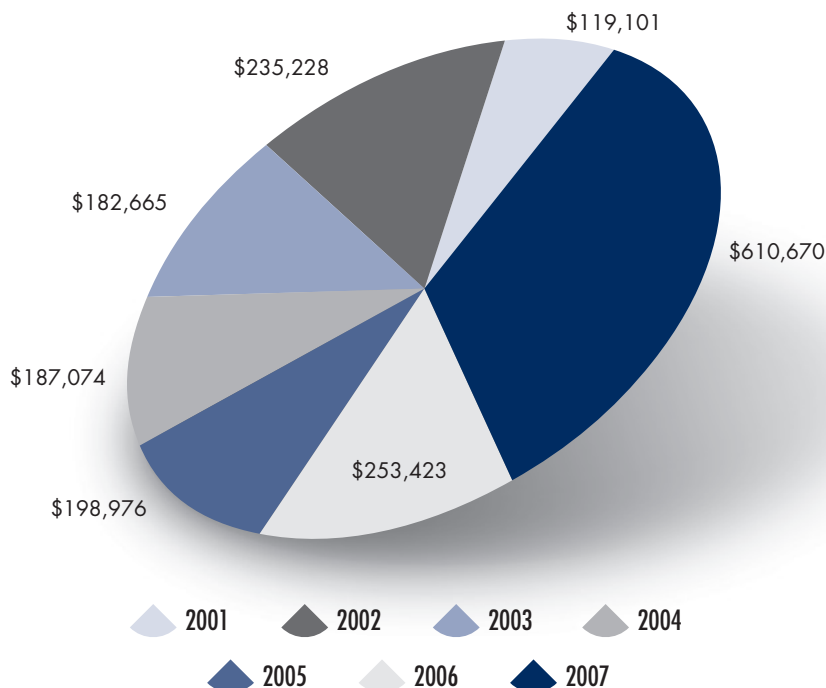
Dr. Jerome V. Pisano, Foundation vice president, recalled that during Dr. Cohen's speech to accept the Coolidge Award, he told the story of the man who encounters a boy throwing starfish back into the sea. The man tells the boy that he won't make a difference because the tide has washed up more starfish than can possibly be saved. The boy tosses another starfish, and as it hits the water he replies, "It did for that one." "Phil," says Dr. Pisano, "was just like that boy. He always focused on the prize rather than on the difficulty of winning."

This gift will help to achieve the 2007-2008 Campaign goal of almost \$900,000. The Foundation is deeply grateful to Dr. Cohen, his wife Vivian, and their children, Kristin, Gregory and Jason for their generosity.

## Research Statistics

2001-2007

Total Grants Awarded of \$1,787,137



133 total grants  
To 37 out of 54 schools

Highest funding awarded to:

- University of Minnesota: \$292,214
- University of North Carolina: \$229,747
- University of Maryland: \$161,259
- University of Texas Health Science Center, San Antonio: \$133,013
- Baylor College of Dentistry: \$131,456