THE CREATIVE CLINICIAN SCIENTIST

A Student’s Guide to the Preparation of Research Poster Presentations
“Obsolescence is a fate devoutly to be wished, lest science stagnate and die.”

Stephen Jay Gould, Wonderful Life
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The scientific program of the Annual Session of the American Dental Association is an integral part of the continuing education of the profession. One of the increasingly important and interesting parts of this scientific session is the Student Clinician Research Program presented by student clinician research scientists. Each accredited dental school selects one outstanding undergraduate student to represent the school at the Annual Session. Each student selected receives an expense paid trip to the Annual Session city. All programs are financed by DENTSPLY International.

It is our belief that the Student Clinician Research Program offers substantial benefits, not only to your school, but to you and to the profession as a whole. We urge you to accept the challenge of presenting a research poster at your school. Whether or not you ultimately present your research at the national level, you benefit your immediate dental community and, most importantly, yourself.

Progress in your chosen profession is made only in proportion to the interest and contributions made by each individual member. The Student Clinician Research Program serves to stimulate ideas, improve communication and, most of all, to generate new knowledge for the advancement of the dental profession.
Why You Should Present a Research Poster

The knowledge you gain from conducting research and the thinking you do on behalf of your chosen profession are the greatest rewards from participating in research. You will also become more involved with faculty and colleagues as you communicate your ideas.

Certainly, the accomplishment of producing a winning research presentation at your own school cannot be denied. It brings recognition of your contribution to the advancement of the profession.

If you should be chosen to represent your school at the Annual Session of the American Dental Association, many new and interesting doors may be opened to you. First, of course, you will receive an expense paid trip to the annual meeting. You may have the opportunity to publish your findings, present your poster at other meetings, receive offers to join certain professional societies, and apply for interesting internship or research positions. You will also be offered an opportunity only extended to less than 100 North American undergraduate dental students each year, the honor of becoming a member of SCADA, the International Association of Student Clinicians - American Dental Association.

This association (SCADA), founded in 1959, is comprised solely of former student clinicians who have represented their respective dental schools at the Annual Session of the American, Australian, Austrian, Brazilian, British, Canadian, Chinese, Danish, Estonian, Finnish, French, German, Hong Kong, Icelandic, Indian, Indonesian, Irish, Japanese, Latvian, Lithuanian, Malaysian, Myanmar, Netherlands, New Zealand, Norwegian, Philippine, Singapore, South African, South Korean, Swedish, Swiss, Taiwanese, Thai, Turkish, or Vietnamese Dental Associations. It is a unique association in this respect. As stated in our Constitution and Bylaws: “The object of this Association shall be to stimulate and promote participation by its members in the activities of organized ethical dentistry; to advance the art and science of dentistry by encouraging participation of undergraduate dental students in school research programs and the annual scientific sessions conducted by the American Dental Association, the British Dental Association, the Australian Dental Association, the Federal Association of German Dentists and the German Scientific Dental Society, and the Scandinavian Dental Association and all other dental associations with which DENTSPLY International co-sponsors Student Clinician Research Programs in 1995 or subsequently; to encourage participation by the membership in the scientific sessions of organized, ethical dentistry at all levels of national, province, state and local component activities.”

This is the challenge we extend to you — to make that extra effort to contribute to your profession. Get involved in conducting research, and then present your findings. Talk to your faculty and start with your school’s research program. Get involved with the generation of new knowledge. It may change your life.

First Place honors in Clinical Research/Public Health went to Abby J. T. Shannon for her presentation entitled “In-Vitro Marginal Gap Comparison of CAD/CAM Zirconium Copings.” Abby represented the University of Iowa at the 148th Annual Session of the American Dental Association in San Francisco, CA.
Are you interested in the potential that molecular biology offers dentistry? Do you find yourself asking questions about clinical topics? Based on your own interests, the first decision to be made is what type of research interests you. Your Faculty Advisor can assist you in choosing a research topic. After you have chosen the topic, narrow the field and decide on a specific question. This may be selected in many ways. Some examples are:

- Identify questions that have arisen during your classes.
- Investigate problems which your textbooks leave unanswered.
- Ask instructors in the areas of your interest about projects or questions which they may have. Usually they can be of great help.
- Do not overlook your classmates. They may have ideas which you may be able to develop.

Here are some examples of topics from students who have won the ADA/DENTSPLY Student Clinician Research Program.

- “Direct bonded lingual rests on mandibular anterior teeth for removable partial dentures”
- “Fracture of repeatedly fired porcelain on noble and base alloys”
- “In vitro activation of neutrophils by bacterial homogenates in juvenile periodontitis patients”
- “The hazards of dental treatment to the pacemaker patient”
- “Pellicle-mediated bacterial attachment: Implications for preventive dentistry?”
- “Rate of protein withdrawal and mineralization in foetal bovine incisors”
- “Clinical management of mucosal inflammation in prosthodontics”
- “The effects of monocytes on lymphocyte blastogenesis”
- “Tooth bleaching technique”
- “The use of spirochetes in monitoring periodontal disease”

One of the key factors in conducting student research is budgeting your time. You will need to divide your time among the following areas:

- Reviewing the literature on your topic.
- Developing a hypothesis for your research problem.
- Preparing the research protocol or study design.
- Collecting the data, analyzing and interpreting it.
- Preparing the data for the presentation.

Most poster presentations at national research meetings are only 7-10 minutes. Therefore, when you prepare your poster, identify the key elements of your research that you wish to communicate. A common problem in many presentations is attempting to cover too much material. Concentrate on the key elements of your study and the results. Do not try to cover a large amount of subject material. You must control the material and time. Do not let the subject matter you choose control you.
The basic difference between an award winning poster and one that is mediocre is the thorough development of four areas: validity, relevance, planning, and presentation.

**Validity:** Basic to any poster presentation is the soundness of the subject matter you are presenting. If the premise is logical and the techniques and methods are valid, you have important findings for an award winning poster presentation.

**Relevance:** No matter how valid your research is, it must be relevant to the profession. A clinical subject or idea may be fairly simple and if it helps to improve dental techniques or increase basic dental knowledge, it will generate considerable interest.

**Planning:** Mastering your subject matter is a critical component of preparing a poster presentation and the completeness of the presentation is the secret to its success. If you follow the scientific method, you will be successful. As part of your planning process, keep these points in mind:
- What is the purpose or objective of this presentation? What do you want to teach your listener?
- Who is the audience? What is their knowledge of the subject?
- How much time do you have to present your research? Is there sufficient time to fully present the material?
- Where is the presentation to be held?

**Presentation:**

I. A Poster Presentation should include:
- **Title.**
- **Problem** - What problem are you trying to solve? Why did it interest you? Provide some background information on the issue.
- **Hypothesis** - What is the hypothesis to be tested?
- **Methods** - Describe how the study was conducted, including the techniques used, sample size, data analysis methods, etc.
- **Results** - Present the findings of the study and their significance. Display the data using tables, graphs and charts that can be easily understood.
- **Conclusion** - What have you learned from conducting this study?

II. The rules for the Student Clinician Research Program include:
- Only one (1) student may present each poster presentation during judging hours. Other students who assisted in conducting the research may present or assist during the open presentation.
- Students must remain at their assigned poster during the entire judging session.
- Substitution of clinicians or significant changes in the title of the poster presentation from that listed in the official program is not permitted.
- No one, other than the Student Clinicians and Judges, is permitted in the poster presentation area during the judging session.
• Poster displays must not extend more than 6 feet wide x 4 feet high and must fit within the 8 feet high x 8 feet wide size tack board that will be provided.

• The oral presentation for each demonstration should be no longer than 7-10 minutes in length.

• The name of the student’s school or the name of any other school must not be visible on the poster or on any materials during the judging session.

• Business attire is required for all Student Clinicians at all times.

Your poster presentation must be clear and concise without exceeding the limits provided in the regulations.

• Plan your presentation well in advance. Start with a rough pencil sketch drawn to approximate scale and include placement of graphics (if they are to be used) and placement of copy.

• If more than one element is covered, they should be placed in relation to each other so that the eye moves naturally from one point to the next as indicated below.

• Use a plain lettering style and stick with a horizontal format. Lettering that is too fancy or placed in a vertical or diagonal format is hard to read and should not be used in visual construction. See the example below.

If color is used, the following points should be kept in mind:

• Use color with discretion. It should be used to attract attention and applied to elements of greatest significance.

• Emphasize results using contrast, one color plus black offers the greatest contrast.

• When using more than one color, reserve the darkest for the basic message.

• Color used behind lettering should be light to ensure legibility. The smaller the lettering, the lighter the background color.
If the subject matter is complex, reduce the information you wish to convey to its essential elements, limit the text and enlarge the letter size. Rearranging the information can help define the point you are making. Notice the greater visual clarity of the graph above as compared to the chart below.

Graphics alone will not make an otherwise poor presentation into a winner. But, the combination of well-planned material with crisp, simple visuals can be a more effective means of presenting your poster presentation.

**Important:** One of the greatest temptations in preparing graphics is to expect the graphics to carry the complete story in detail. A graphic is meant to visually reinforce what you are saying, and at times, emphasize certain points or clarify complex ideas. Remember: you are the scientist, and it is your physical presence that makes the research come alive and be meaningful. To delegate the main functions of communications to the graphics, makes you an impersonal voice and at best a mere narrator.

Here are a few do’s and don’ts which will help in preparing your poster presentations:

**DON’T:**
- use more than six or seven words per line. Three to four words is ideal.
- use more than six to eight lines of copy per chart.
- use more than five vertical columns per chart.
- put more information on a chart than your audience can comprehend in twenty seconds.

**DO:**
- condense your information.
- eliminate “the’s.”
- use nouns and action words.
- use symbols and abbreviations.
- use white space as a natural divider.
- keep copy high on chart to increase visibility. Leave a deep margin on the bottom.

Although you are not expected to be a professional artist or photographer, a well thought-out visual presentation will help convey your thoughts to the Judges.
The American Dental Association with the generous sponsorship of DENTSPLY International proudly conducts the Student Clinician Research Program. This program provides a wonderful opportunity for dental students and allows one (1) student from each accredited dental school in the United States and Puerto Rico to receive an expense-paid trip to participate in the American Dental Association’s Annual Session. This program allows the Student Clinician an opportunity to compete for awards and recognition.

**DEFINITION OF PROGRAM**

The Student Clinician Research Program consists of a poster presentation in the format of the American Association of Dental Research. It presents research or clinical findings in a poster presentation format. It includes a hypothesis, methods and materials, results, discussion and a conclusion.

**ELIGIBILITY**

The participating Student Clinician:

- Must be selected through a student research or poster presentation competition at his/her school.
- Must be an undergraduate at the time of the Student Clinician Program at the ADA Annual Session.
- Must be a current member of the American Student Dental Association (ASDA).

Two or more students may develop the research for the poster presentation but only one (1) student from each school is eligible to present the poster for judging and only one student will receive financial support from DENTSPLY International.

**INVITATION TO PARTICIPATE/RESPONSIBILITY OF SCHOOL**

An invitation to participate in the Student Clinician Research Program is sent to the Dean of each accredited dental school. The Dean will then indicate whether or not the school will participate by completing the form furnished by the Council on ADA Sessions. If the Dean decides that the school will participate, he/she will then provide the name of the Faculty Advisor who will assist the student in properly fulfilling the requirements of the program.

**RESPONSIBILITY OF THE FACULTY ADVISOR**

It is critical that the faculty member, who is then appointed as the advisor, ensures that the student’s poster presentation is in compliance with the regulations established by the American Dental Association’s Council on ADA Sessions.
Faculty Advisors must also ensure the following:

- Student makes initial contact with the Office of the Council on ADA Sessions by phone (800) 621-8099 extension 2664 or direct at (312) 440-2664.
- Student completes and submits the application, the abstract and all other requested information by the due dates.
- Assistance is provided to the student in selecting the appropriate category in which the student’s poster will be judged. Posters deemed by the Judges to be in the wrong category will be re-categorized.

Please Note: If the Faculty Advisor and student are unable to make a decision on which category the poster presentation should be placed, this decision will be determined by our Category Judges.

RESPONSIBILITY OF THE STUDENT CLINICIAN

To be eligible for the Student Clinician Research Program, students must comply with the following:

- Be a current member of the American Student Dental Association (ASDA).
- Complete and submit all required forms listed on the SCADA website.
- Submit an abstract or summary (250 words maximum) of the poster presentation that will be presented to the Council on ADA Sessions.
- Submit a color head and shoulder photograph via e-mail directly to Tammy Roland troland@dentsply.com at DENTSPLY International (jpeg preferred).
- If the student becomes an award winner, the student must be prepared to remain at the Annual Session for an extra day.

STUDENT CLINICIAN BENEFITS

I. Registration for Annual Session

When the Council on ADA Sessions office receives the name of the student who will represent his/her school and the student has contacted the Office of the Council on ADA Sessions, the student will be pre-registered and sent their registration badges prior to the Annual Session. The Annual Session badge will entitle the student to admission to all no fee-ticketed scientific sessions and the Exhibit Floor area.

Please Note: If the student plans to bring along a co-clinician, family member, or friend, please inform the ADA staff prior to Annual Session so that they will have a registration badge for access to the Exhibit Floor which they can visit during the ADA Meeting.

II. Hotel Reservations

A hotel in the convention city will be designated as headquarters for the Student Clinicians. The Council on ADA Sessions will make the reservations for all students who will be participating. Students are responsible for their incidental expenses.

Please Note: If the student plans to bring along a co-clinician, family member, or friend, please inform Ms. Tammy Roland of DENTSPLY prior to Annual Session. If the person attending
the session with the student is not staying in the student’s hotel room, Ms. Roland can assist in securing a hotel room reservation on their behalf. However, they will be charged for the cost of the hotel room.

III. Expenses
The presenting student will receive the following from DENTSPLY International:
• A stipend to cover the hotel, meal expenses and ground transportation.
• A round-trip economy class airline ticket to the Annual Session.

FUNCTIONS TO ATTEND
I. Orientation Seminar
All undergraduate students participating in the ADA/DENTSPLY Student Clinician Research Program are eligible for membership in SCADA (The International Association of Student Clinicians - American Dental Association). SCADA conducts an Orientation Seminar for Student Clinicians on the evening prior to the judging. Members of the SCADA Board of Governors, SCADA members, the Council on ADA Sessions staff and officers of DENTSPLY International will be at the Orientation Seminar to greet Student Clinicians.

All students participating in the Student Clinician Research Program must attend the Orientation Seminar. All regulations for the competition are reviewed at this Orientation Seminar. Invitations and RSVP cards for the seminar will be sent to each Student Clinician, Dean and Faculty Advisor directly from SCADA.

II. DENTSPLY Awards Program and Reception
DENTSPLY hosts an Awards Program and Reception on the evening of the competition in honor of all Student Clinicians participating in the program. The winners of the Student Clinician Research Program will be announced during this event. Each student will receive recognition as the official representative of his/her dental school. Invitations and RSVP cards are forwarded directly to each Student Clinician, Dean and Faculty Advisor from DENTSPLY International.

JUDGING OF POSTER PRESENTATIONS
Poster presentations are judged in two (2) categories:
(I) Clinical Research/Public Health Sciences
(II) Basic Science Research
A panel of qualified judges for each category evaluates the abstracts of the poster presentations prior to the competition. While it is primarily the responsibility of the Faculty Advisor and/or the student to indicate the category in which the poster presentation should be judged, the ultimate decision will be made by the Judges. Each student will be notified of the category in which their poster presentation is placed.

A copy of the Rating Form used by the Judges is attached on page 17.

**CATEGORY I: Clinical Research/Public Health Sciences**

Clinical Research/Public Health Sciences presentations will demonstrate clinical research in various prosthodontic, endodontic, periodontic, surgical or diagnostic procedures, or it may evaluate clinical techniques, materials or devices directly related to oral health care. This category also includes educational research, epidemiology, public health and/or public policy research.

**CATEGORY II: Basic Science Research**

Basic Science Research presentations are usually hypothesis driven projects involving some aspect of basic sciences. Research in this category may address a technique or method involving a biological or physical science.

**METHOD OF SELECTION**

The ADA does not designate a specific procedure for the selection of Student Clinicians. The ADA delegates the selection of the Student Clinician to the participating dental school. Most dental schools use the mechanism of a student research competition conducted either by the student association or the school to select the Student Clinician. State and local dental societies are available to assist and advise students and faculty in the judging of the student poster presentations at a local dental school. SCADA will be glad to provide assistance to the schools. It is acknowledged that each school has its separate set of rules or guidelines in the selection of the student winner. However, it must be understood that the student who participates in the ADA/DENTSPLY Student Clinician Research Program must adhere to the regulations established by the Council on ADA Sessions. For assistance from SCADA, you can contact the Office of Professional Relations, 221 West Philadelphia Street, Suite 60, York, PA 17401 or call 800-877-0020 ext. 54274.

Third Place winner in the Clinical Research/Public Health category at the 2007 ADA/DENTSPLY Student Clinician Research Program was Matthew John Olmsted from the University of North Carolina. His presentation was entitled “Human Bite Force Production in Amelogenesis Imperfecta Patients and Their Family Members.”
ADA/DENTSPLY Student Clinician Research Program Regulations

I. Application Process
• Each student must first contact the Office of the Council on ADA Sessions by phone at the American Dental Association in the Council on ADA Sessions office. The application process will begin with contacting this office either toll-free (800) 621-8099 extension 2664 or directly at (312)440-2664.
• After contacting this office, each student must submit an abstract of their poster presentation not to exceed 250 words in length via the SCADA website.

II. The Poster Presentation Format
• Title.
• Problem – Identify reasons for investigation and provide background information. What problem are you trying to solve?
• Hypothesis – What is the hypothesis to be tested?
• Methods – Describe how the study was conducted, identifying techniques used, sample size, data analysis methods, etc.
• Results – Present the findings of the study and their significance. Display the data using tables, graphs and charts that can be easily understood.
• Conclusion – What have you learned from conducting this research?

III. Presentation guidelines include:
• Only one (1) student may present each poster presentation during judging hours. Other students who assisted in conducting the research may present or assist during the open presentation.
• Students must remain at their assigned poster during the entire judging session.
• Substitution of clinicians or significant changes in the title of the poster presentation from that listed in the official program is not permitted.
• No one, other than the Student Clinicians and Judges, is permitted in the poster presentation area during the judging session.
• Poster displays must not extend more than 6 feet wide x 4 feet high and must fit within the 8 feet high x 8 feet wide size tack board that will be provided.
• The oral presentation for each demonstration should be no longer than 7-10 minutes in length.
• The name of the student’s school or the name of any other school must not be visible on the poster or on any materials during the judging session.
• Business attire is required for all Student Clinicians at all times.

IV. Time of Presentation
• Student Clinicians must report to the Student Clinician Research area in the exhibit hall promptly at 7:00 AM in order to set up their posters in time for the judging. Access to the area will begin at 6:30 AM.
• Judging begins at 8:00 AM and runs until 12:00 Noon on the designated day. The student must be present the entire time, even if the Judges have already viewed your poster presentation, as they may return and have additional questions.
• An open presentation takes place in the afternoon from 1:00 PM to 3:00 PM where poster presentations are presented informally to all Annual Session attendees who wish to view them.
• Award winners are required to repeat their poster presentation on the day after the competition.

V. Poster Presentations
The ADA will supply the following:
• One (1) tack board sized 8 feet wide x 8 feet high. Poster is to be sized 6 feet wide by 4 feet high.
• Velcro strips to affix poster to tack board.
• Chair/Stool.
• A sign with the Student Clinician’s name and table number.

If you have any questions or require anything other than the items listed above, please contact the Office of the Council on ADA Sessions via phone at (312) 440-2664.

VI. Handout Materials
Handouts are limited to a one (1) page synopsis of the poster presentation. If the student plans to provide a handout for their presentation, he/she should forward a copy of it to the Office of the Council on ADA Sessions at least sixty (60) days prior to the Annual Session in order to be reviewed and approved by the Judges prior to Annual Session.

Handouts should not have the name of the student’s school or any other school displayed. While handouts are not required, additional points can be gained from the availability of concise and well-prepared literature. It is the student’s responsibility to arrange to have sufficient copies of handouts available for distribution to the Judges and those viewing the clinic. One hundred (100) should be sufficient.

VII. Advertising
No advertising material or material that resembles a commercial promotional effort may be distributed or shown. Drugs and products mentioned in the presentation should generally be identified by chemical formula or by generic name. No trade names (brand or company) may be used for identification or other purposes in the poster presentation during the judging. Only generic identifiers are acceptable. As an example, products might be identified as “Product A”, “Product B”, “Product C”, etc. It is appropriate, to identify the characteristics of products. For example: “Product A” is a glass-filled resin catalyzed by visible light. Commercial promotion of a product or service by trade name is absolutely prohibited. Violation of this requirement will automatically disqualify a project from consideration in the competitive portion of the poster presentation. It is permissible to use trade names (brand or company) for identification purposes only during the open presentation portion of the poster presentations (non-judging portion).

VIII. Assistance Received
Each student must acknowledge the
amount of assistance received in preparing the poster presentation during the application process. The Judges recognize that the research process requires a team approach. The student should identify his/her role on the research team.

ANY VIOLATION OF THE ABOVE REGULATIONS WILL AUTOMATICALLY DISQUALIFY THE STUDENT FROM COMPETITION AND THE POSTER WILL NOT BE JUDGED.

QUICK TIPS FOR STUDENTS
The following suggestions are designed to assist students in the preparation and presentation of their research poster.

• Judges are looking for scientific/clinical substance.
• A complete presentation of the poster should be no longer than 7 to 10 minutes.
• The Student Clinician should be prepared to answer questions regarding the research presentation from the Judges and then from those persons viewing the open presentation. If the Student Clinician is unable to answer a particular question, they should say so immediately.
• Have fun and enjoy the experience of sharing your research efforts with your dental colleagues!

IMPORTANT DATES
The name of the Student Clinician and the title of the presentation must be submitted to the ADA’s Council on ADA Sessions’ office by the requested deadline to facilitate inclusion in the preliminary program. The preliminary program is published in the July issue of the Journal of the American Dental Association. Any information received after their deadline, cannot be included in the Official Program Book.

AWARDS
All awards are provided by DENTSPLY International. The announcement of the winning students will be made at the ADA/DENTSPLY Awards Program.

Three (3) winners will be selected from each category, totaling six (6) winners.

First Place award winner will receive a cash award of $750 and a travel prize to attend the Chicago Dental Society’s Midwinter Meeting where they will present their award winning poster presentations as part of the Chicago Dental Society’s Scientific Program.

Second Place award winner will receive $750.

Third Place award winner will receive $500.

All participants receive a certificate of appreciation for their contribution to the scientific session.

SHIPPING INSTRUCTIONS
Information concerning the shipment of materials to the Annual Session may be obtained upon request from the Council on ADA Sessions. It is advised to personally carry your poster presentation within a durable poster tube suitable for travel to minimize the possibility of being either damaged or lost in transit. The ADA and DENTSPLY International will not assume any responsibility or expense for the shipment of materials to be used in the competition.
Faculty members or students seeking additional information regarding the program and/or requirements of the ADA/DENTSPLY Student Clinician Research Program are invited to contact the Office of the Council on ADA Sessions at (800) 621-8099 Ext. 2664.

American Dental Association
Council on ADA Sessions
211 East Chicago Avenue, Suite 200
Chicago, IL 60611
Toll-Free: (800) 621-8099, ext. 2664
Direct: (312) 440-2664
FAX: (312) 440-2707

Faculty members or students seeking additional information regarding the submission of photo or travel and financial support for the ADA/DENTSPLY Student Clinician Research Program are invited to contact Ms. Tammy Roland at (800) 877-0020 Ext. 54274 or via e-mail at troland@dentsply.com

DENTSPLY International
Professional Relations Department
221 West Philadelphia Street
P.O. Box 872
York, PA 17405-0872
Toll-Free: (800) 877-0020, ext. 54274
Direct: (717) 849-4274
FAX: (717) 849-4760

Rosalyn Sulyanto of the Harvard School of Dental Medicine represented her school at the 2007 Annual Session of the American Dental Association in San Francisco, CA with her presentation “The Role of NFATc1 in Osteoclast Function in vivo.” Her presentation earned her Second Place in the Basic Science category.

Third Place honors in the Basic Science category was awarded to Pieter H. Heemstra of the University of Pittsburgh for his presentation on “Characterization and Osteogenic Potential of Dental Pulp Stem Cells.” He participated in the 2007 ADA/DENTSPLY Student Clinician Research Program in San Francisco, CA.
This is a poster presentation. It is not an essay, lecture or exhibit. It must be shown or demonstrated complete in no more than 7 to 10 minutes, and repeated many times.

Student’s Name _______________________________________________________________

Table # _____________________

Title  _________________________________________________________________________

RESEARCH TEAM SUPPORT — Please check one.
☐ Student did not participate as part of a research team in preparing this poster presentation.
☐ Student participated as part of a research team, acknowledged role in the research team, and credited the assistance from other members of the team.
☐ Student participated as part of a team but did not credit other members of the research team.

SUBJECT MATTER (Maximum points for this section - 45.)

1. Important, timely, pertinent. 1 3 5 7 9
2. Organization, logic, sequence. 1 3 5 7 9
3. Practical approach to practice. Clinical relevance. 1 3 5 7 9
4. Scientifically sound and supported. 1 3 5 7 9
5. Creative ability, new approach. 1 3 5 7 9

Total Points for this Section: __________

PRESENTATION (Maximum points for this section - 36.)

1. Hypothesis clearly stated. 1 2 4 6
2. Background knowledge provided. 1 2 4 6
3. Methods clearly outlined. 1 2 4 6
4. Results presented succinctly. 1 2 4 6
5. Discussion consistent with data. 1 2 4 6
6. Conclusions driven by scientific data. 1 2 4 6

Total Points for this Section: __________

PROFESSIONALISM (Maximum points for this section - 18.)

1. Oral presentation brief/lucid. 1 2 3
2. Clinical data readily understood. 1 2 3
3. Visuals well organized. 1 2 3
4. Handout available. (Synopsis) 1 2 3
5. Professional appearance. 1 2 3
6. Creative ability. 1 2 3

Total Points for this Section: __________

COMMENTS _________________________________________________________________
____________________________________________________________________________

TOTAL POINTS (Maximum = 99 Points): ____________
What is SCADA?
S.C.A.D.A. is the abbreviation for The International Association of Student Clinicians - American Dental Association. SCADA was formed by student clinicians participating in the first Student Table Clinic Program held in New York City during the 100th Anniversary Session of the American Dental Association in 1959.

The program was conceived by the late Dr. Harold H. Hillenbrand, Executive Director Emeritus of the ADA, and the late Mr. Henry M. Thornton, Chairman Emeritus of DENTSPLY International. These men were seeking to establish a program which would stimulate interest by dental students and educators in the fields of basic dental research and clinical and/or public health sciences.

The Program Expands
The program’s popularity and growth continued when it was introduced in Canada in 1971. The United Kingdom launched a program in 1978 that now includes dental students in the Republic of Ireland. Four years later, a similar Program was instituted in Australia that now includes dental students from New Zealand. In 1987, the first Student Clinician Research Program was conducted in the Federal Republic of Germany in Braunschweig. This Program has been expanded to Austria and Switzerland. A Scandinavian Student Clinician Program was inaugurated in 1991. This Program includes...
dental students from schools in Norway, Sweden, Finland, Denmark, Iceland, the Netherlands, Estonia, Latvia and Lithuania. Another Program was initiated for dental students in Japan in 1995 and one began in France in 1997. Two Programs were introduced in 1998 in India and Thailand and a new one for dental students in South Korea was launched in 1999. The Year 2000 saw the introduction of new Programs for dental students in South Africa and Taiwan. In 2002, a regional Southeast Asian Program was started covering Hong Kong, Singapore, Indonesia, the Philippines, Myanmar, Malaysia and Vietnam. 2004 welcomed two new Programs in Brazil and the People’s Republic of China. In 2006 a program was introduced in Turkey. SCADA is now composed of those individuals who represented their dental school in these 16 national programs within the last 45 years. All of the Student Clinician Research Programs are supported financially by DENTSPLY International.

Since its inception, the number of participating dental schools has greatly increased and the level of student participation has multiplied. Most importantly, the quality of the poster presentations has continuously improved.

Where Are We Today?
Today SCADA’s membership consists of those who presented student clinics since 1959 as their school’s official undergraduate representatives. Over 5,000 students in 35 nations have participated in these Programs since 1959.

The goals of SCADA are to stimulate participation by our members in the activities of organized dentistry and to encourage participation in school research programs and those of the Annual Sessions. We have translated those objectives into practical programs in five specific areas. First, SCADA encourages active participation in the program by all dental schools. Second, SCADA works to assist both students and faculty in conducting student research. Third, SCADA members provide assistance to dental schools in planning, programming, and judging student research programs. Fourth, SCADA members help orient individual student clinicians towards successful participation in the annual research presentation programs. Fifth, SCADA encourages the pursuit of academic dental careers through the Henry M. Thornton/SCADA Fellowship Award and the SCADA Faculty Advisor Award.

A Note of Gratitude
Our Association is deeply indebted to DENTSPLY International for its continued financial sponsorship of Student Clinician Research Programs in 35 nations on six continents.

We are grateful, not only for the Company’s continued generosity to dental students as seen in this and other quality programs they sponsor, but for their support of our Association. DENTSPLY deserves commendation for their active encouragement of SCADA programs throughout the world and its unwavering support for dental student research and these students who will be the next generation of dental leaders.
Dr. Joseph Meng receives his award during the 2007 ADA/DENTSPLY Student Clinician Awards program by Dr. Janet Harris (L), President of SCADA and Dr. Linda C. Niessen (R), Corresponding Secretary and Editor for SCADA.

The first SCADA Fellowship Fund for graduate study in dentistry was awarded in 1976. This fund honors the memory of the late Henry M. Thornton, DENTSPLY’s Chairman Emeritus. The fund supports dental students in advancement of post-doctoral dental education.

SCADA has awarded $62,500 in Fellowship grants since inception. The thirty-second scholarship was presented during the 2007 ADA Annual Session to Dr. Joseph Meng.

Dr. Meng represented the University of Iowa in the 2004 American Dental Association/DENTSPLY Student Clinician Research Program in Orlando, Florida and earned the Second Place Award in the Clinical Research category. He graduated in 2006 from the University of Iowa and is continuing his studies at Baylor University’s Graduate Prosthodontics Program to which this Fellowship will be applied.

Dr. Llewellyn Powell receives his award during the 2007 ADA/DENTSPLY Student Clinician Awards program by Dr. Janet Harris (L), President of SCADA and Dr. Linda C. Niessen (R), Corresponding Secretary and Editor for SCADA.

Each year SCADA chooses one associate to receive the Alan J. Davis SCADA Achievement Award, named in honor of our first Corresponding Secretary.

This prestigious award has been bestowed upon members of our Association for outstanding service to the profession or to SCADA itself.

Dr. Llewellyn Powell is our newest recipient. He a 1986 graduate of the University of Mississippi and participated in the 1985 American Dental Association/DENTSPLY Student Clinician Research Program. Dr. Powell is currently Associate Professor of Operative Dentistry and Fixed Prosthodontics in the Department of Restorative Dentistry at the University of Tennessee College of Dentistry. He is clearly a credit to our profession, his University and to our Association.
“A mind once stretched by a new idea never regains its original dimensions”

Anonymous