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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Introduction

The scientific program of the Annual Session of the American Dental Association (ADA) plays an integral role in the continuing education of the profession. The ADA / DENTSPLY Student Clinician Research Program (SCRP), presented by dental students, is honored to be part of this important scientific session. Each accredited dental school selects one outstanding pre-doctoral student, usually through a research competition, to represent the school at the ADA’s Annual Session. These winning students receive an expense paid trip to the ADA Annual Session. Funding for the ADA / DENTSPLY Student Clinician Research Program is provided by DENTSPLY International.

The award winning ADA / DENTSPLY 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 and opportunity of participating in research and presenting your findings at your school to your faculty and peers.

As men and women of science, your participation in research advances the frontier of dental knowledge. Dental research reinforces your understanding of the scientific method and how it contributes to the generation of new information. The Student Clinician Research Program serves to stimulate ideas, improve communication and, most of all, to contribute to the advancement of the dental profession.
The knowledge you gain from conducting research and the thinking you do on behalf of your chosen profession offers the greatest rewards from participating in research. You will work more closely with faculty and colleagues as you communicate your ideas.

If you are selected 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 ADA’s 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 pre-doctoral dental students each year, the honor of becoming a member of SCADA, the International Association of Student Clinicians - American Dental Association, an international alumni association of former student clinicians.

SCADA, founded in 1959, is comprised solely of former student clinicians who have represented their respective dental schools at the annual Student Clinician Research Programs sponsored by the

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Why You Should Present a Research Poster

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 1959 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 Science / Public Health Research went to Todd Walker for his presentation entitled “Comparison of Total Etch, Self Etch and AIO Adhesives.” Todd represented Tufts University at the 150th Annual Session of the American Dental Association in Honolulu, Hawaii.
Are you interested in identifying new biomarkers for oral diseases? Does the potential that molecular biology offers dentistry intrigue you? Do you find yourself trying to develop innovative dental materials? Are you curious about certain patterns of oral diseases and their risk factors in populations? Based on your interests, the first decision to be made is what type of research interests you. Dental research topics can range from basic science, clinical investigations or public health problems. The faculty at your dental school conduct various types of dental research projects. Your Faculty Advisor can assist you in identifying a research mentor and choosing a research topic. Together, you will choose a topic, narrow the field and decide on a specific question.

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

- “The Effect of Intensive Fluoride Varnish Treatment on Streptococcus Mutans and Other Oral Bacterial in Pre-Cooperative Children with Early Childhood Caries (ECC): A Pilot Study”
- “Comparison of Total Etch, Self Etch and AIO Adhesives”
- “Strengthening Dental Adhesives with Reactive Nanogel Polymeric Particles”
- “Phylogenetic Analyses of Fusobacterium Nucleatum: A Molecular Approach to Subspeciation”
- “Effects of Pamidronate on Primary Human Oral Fibroblasts”
- “Three Dimensional Scaffoldless Constructs Engineered from Bone Marrow and Dental Pulp Stem Cells”
- “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 research poster 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 points 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.
A key differentiating factor in an award winning research poster is the thorough development of four areas: validity, relevance, planning, and presentation.

\textbf{Validity:} Basic to any research poster presentation is the soundness of the subject matter you are presenting. If the premise is logical, the null hypothesis is sound, and the techniques and methods used to test it are valid, you will have important findings for your poster presentation.

\textbf{Relevance:} No matter how valid your research is, it must be relevant to the profession. A clinical or basic science subject may be fairly simple and if it helps to improve dental techniques or increase the understanding of oral diseases, it will generate considerable interest.

\textbf{Planning your research protocol:} Mastering your subject matter is a critical component of your preparation. Your research protocol becomes the framework for your efforts. If you follow the scientific method, you will be successful. Your research report will include the following sections:

- **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?

\textbf{Methods} – Describe how the study was conducted, including the techniques used, sample size, data analysis methods, etc.

\textbf{Results} – Present the findings of the study and their significance. Display the data using tables, graphs and charts that can be easily understood.

\textbf{Conclusion} – What have you learned from conducting this study? What are the clinical implications of this research?

\textbf{Presentation:} The standard format for presenting research posters follow the format for your research protocol. It will include an hypothesis, methods and data collection, results and conclusions. Data should be presented clearly so they can be easily understood.

I. A Research Poster Presentation should include:

- What is the purpose or objective of this research? What do you want to learn by conducting this study?

- In presenting this research, 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 research material?

- Can you anticipate any questions you may be asked?

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.

1. Students must remain at their assigned poster during the entire judging session.
2. Substitution of clinicians or significant changes in the title of the poster presentation from that listed in the official program is not permitted.
3. No one, other than the Student Clinicians and Judges, is permitted in the poster presentation area during the judging session.
4. 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.
5. The oral presentation for each demonstration should be no longer than 7-10 minutes in length.
6. 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.
7. 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.

1. 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.
2. 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.

![PAIN CONTROL](image)

- 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.

![WRONG](image)

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

1. Use color with discretion. It should be used to attract attention and applied to elements of greatest significance.
2. Emphasize results using contrast, one color plus black offers the greatest contrast.
3. When using more than one color, reserve the darkest for the basic message.
4. 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 want to make. Notice the greater visual clarity of the graph 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 research poster.

Important: One of the greatest temptations in preparing graphics is to expect the graphics to tell the complete story in detail. A graphic is meant to visually reinforce what you are saying and 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.
• 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 clearly constructed visual presentation will help convey your thoughts to the Judges. Many dental schools have graphics arts departments that provide assistance to faculty and students in the preparation of research posters.
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 pre-doctoral student 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 U.S. 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 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 Ms. Glynis Wilkins of 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 the 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 return all forms furnished by Ms. Glynis Wilkins in the Council on ADA Sessions Office.

• Complete official on-line application by identified due date.

• 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 at tammy.roland@dentsply.com (jpeg preferred).

• If the student becomes an award winner, the student may need to remain at the Annual Session for an extra day.

**STUDENT CLINICIAN BENEFITS**

I. **Registration for Annual Session**

When Glynis Wilkins of the Council on ADA Sessions office receives the name of the student who will represent his/her school and the student has contacted Ms. Wilkins, 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 ADA 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 can register the individual for the ADA Annual Session and have a registration badge for access to the Exhibit Floor.

II. **Hotel Reservations**

A hotel in the convention city will be designated as headquarters for the Student Clinicians. Ms. Tammy Roland of DENTSPLY 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 his/her behalf. However, the individual 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 meal expenses and ground transportation.
- A round-trip economy class airline ticket to the Annual Session.
- Hotel accommodations for two nights during the Annual Session

FUNCTIONS TO ATTEND

I. Orientation Seminar
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.

All pre-doctoral 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.

II. DENTSPLY Awards Program
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 introduced 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 Science / Public Health Research

(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 Judges Rating Form used by the Judges is attached on page 17.*

I. CATEGORY I: 
**Clinical Science / Public Health Research**

Clinical Science / Public Health Research presentations will demonstrate clinical research in various prosthodontic, endodontic, periodontic, surgical or diagnostic procedures, or they 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.

II. 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.

III. 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 Ms. Tammy Roland, Office of Professional Relations, 221 West Philadelphia Street, Suite 60, York, PA 17401 or call 800-877-0020 ext. 54274.

Hiba Diab represented the University of Illinois at Chicago at the 150th Student Clinician Research Program in Honolulu. Her research entitled “Older Individuals Exhibit Early Delays in Gene Expression in Wounded Oral Mucosal Tissue: A Possible Mechanism for Age-Impaired Healing” placed her in the Basic Science category.
I. Application Process

• Each student must first contact Ms. Glynis Wilkins of the Office of the Council on ADA Sessions by phone at the American Dental Association. The application process will begin with contacting Ms. Wilkins either toll-free (800) 621-8099 extension 2664 or directly at (312)440-2664.

• Each student must complete the official on-line application found at by the identified due date.

• After contacting the office of the Council on ADA Sessions, each student must submit an abstract of their poster presentation not to exceed 250 words in length via the website to Ms. Wilkins.

II. The Abstract and Poster Presentation Format

The abstract and poster presentation should include the following:

• 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? What are the clinical implications of this project?

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 at the
identified time and location promptly in order to set up their posters in time for the judging.

- 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. The Judges may return several times with additional questions.
- An open presentation takes place in the afternoon where the research posters are presented to all Annual Session attendees who wish to view them.

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 Ms. Glynis Wilkins in 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 the program.

Handouts should not have the name of the student’s school or any other school displayed. While handouts are not required, an additional understanding 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 during 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 in February following the ADA Annual Session.

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 ADA’s 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 should contact Ms. Glynis Wilkins at 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 should contact Ms. Tammy Roland at (800) 877-0020 Ext. 54274 or via e-mail at tammy.roland@dentsply.com

DENTSPLY International
Professional Services / CE 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
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.

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**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

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

**Total Points for this Section:**

### PRESENTATION

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

**Total Points for this Section:**

### PROFESSIONALISM

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1. Oral presentation brief/lucid.
2. Clinical data readily understood.
3. Visuals well organized.
4. Clinically relevant.
5. Professional appearance.
6. Creative ability.

**Total Points for this Section:**

### COMMENTS

**Total Points – (Maximum = 99 Points):**
What is SCADA?
S.C.A.D.A. (SCADA) 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, former Executive Director of the ADA, and the late Mr. Henry M. Thornton, former Chairman of DENTSPLY International. These men were seeking to establish a program which would stimulate interest by dental students and educators in dental research and introduce dental students to the American Dental Association.

The Program Expands
The program’s popularity expanded internationally when it was introduced in Canada in 1971. In 1978, the United Kingdom introduced a program that now includes dental students from the United Kingdom and the Republic of Ireland. In 1982, Australia instituted a program that now includes dental students from New Zealand and Fiji. In 1987, the first Student Clinician Research Program was conducted in the Federal Republic of Germany and dental students in Austria and Switzerland now participate. A Northern European Student Clinician Research Program was inaugurated in 1991. This program includes dental students from schools in Norway, Sweden, Finland, Denmark, Iceland, the Netherlands, Estonia, Latvia and Lithuania. Japan initiated a program in 1995, and one began in France in 1997. Programs were introduced in...
1998 in India and Thailand, and South Korea launched a program in 1999. In 2000, South Africa and Taiwan launched programs for dental students. In 2002, a program in Southeast Asia involving dental students from Hong Kong, Singapore, the Philippines, Myanmar, Indonesia, Malaysia and Vietnam began. In 2004, separate programs were started in Brazil and China. In 2006, Turkey introduced a new Student Clinician Research Program.

SCADA membership now includes all dental students who represented their dental school in these 16 national programs. All of the Student Clinician Research Programs are supported financially by DENTSPLY International.

Since its inception in 1959, SCADA has seen significant growth. The number of participating dental schools has greatly increased and the level of student participation has multiplied. With its 50 year history, the program has seen dental students become leaders in the profession. Most importantly, the quality of the research presentations has continuously improved.

**Where Are We Today?**

Today SCADA’s membership consists of those who presented student research 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 and educate 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, the SCADA Faculty Advisor Award, and the Alan J. Davis Achievement Award.

**A Note of Gratitude**

SCADA is deeply indebted to DENTSPLY International for its continued financial sponsorship of Student Clinician Research Programs in 36 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, helping to prepare the next generation of dental leaders.
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 former Chairman. The fund supports dental students in advancement of post-doctoral dental education.

SCADA has awarded $69,000 in Fellowship grants since inception. The thirty-fourth scholarship was presented during the 2009 ADA Annual Session to Dr. Matthew Anderson.

Dr. Anderson represented the University of Pennsylvania in the 2007 American Dental Association/DENTSPLY Student Clinician Research Program in San Francisco, CA. He graduated in 2009 from the University of Pennsylvania and is continuing his studies in the Graduate Prosthodontics Residency Program at University of Washington to which this Fellowship will be applied.

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 Associate for outstanding service to the profession or to SCADA itself.

Dr. Robert Skinner is our 2009 recipient. He has been active with the American Dental Association for many years and has served as President of many local dental societies including the Arkansas State Dental Association where he is currently a District 12 Delegate. He graduated from Louisiana State University, School of Dentistry where he was a Student Clinician. He received his MS degree from the University of Alabama and currently has a private dental practice in Fort Smith, Arkansas. Further, he is the founder of the University of Arkansas-Fort Smith Dental Hygiene School and the Community Dental Clinic where he received President Bush’s 699th Point of Light in 1991.
“A mind once stretched by a new idea never regains its original dimensions”

Anonymous