Open Call for Submissions: Undergraduate Research Poster Competition

at ADHA’s 2020 Annual Conference in New Orleans, LA at the Ernest N. Morial Convention Center.

This document has the information and guidelines for both Informative and Research categories, as well as registration and payment information on the Undergraduate Research Poster Competition at ADHA’s 2020 Annual Conference.
Informative Poster Presentations

The Informative Poster Presentations are not original research but are required to be presented in a poster format. **As a reminder, Table Clinics are no longer allowed, and all non-original research is required to be presented as an Informative Poster Presentation.** The Informative Poster Presentations gives students the opportunity to raise awareness about a theory, service or trend in dental hygiene practice. This is a competition and will be both judged and scored. First, second and third place will be awarded, in addition to an honorable mention.

Please note that any poster application fees are included in the student registration fee for ADHA’s 2020 Annual Conference.

**All applications must be received by April 24, 2020.**

**Requirements**

Presenters are required to be present at all three related events at ADHA’s Annual Conference:

- The competition on Thursday, June 11 from 3:00 – 6:00 p.m.
- The Student Awards Brunch on Friday, June 12 from 9:30 – 10:30 a.m.
- The Open Viewing of Poster Presentations Session on Friday, June 12 from 11:00 a.m. – 1:00 p.m.

**Competitors are required to wear professional, business attire to all related events (slacks, skirts, blazers, etc.)**
Informative Poster Presentations

What is an Informative Poster Presentation?

An Informative Poster Presentation is a presentation using oral communication and a professional poster to inform, clarify, and/or review material on a specific topic. An Informative Poster Presentation is NOT original research.

An Informative Poster presents useful and timely information in an original, interesting manner. This information may be a technique, theory, service, trend or expanded opportunity in the practice of dental hygiene and/or the broader realm of oral and systemic health. Your Informative Poster should be focused, clear and concise to provide information quickly and stimulate attention and interest. An Informative Poster is not an exhibit of materials.

Criteria for Preparing Your Informative Poster Presentation

1. Identify a theme or topic for your poster presentation.
2. Research your topic thoroughly and have reference documentation available.
3. Be prepared for questions and discussion.
4. Be prepared to communicate the information clearly within the allotted seven minutes. Practice your presentation so that you can discuss the key points without reading directly from note cards.
5. Prepare your poster to effectively communicate and supplement what you are saying. Avoid using sensationalized comments or images. The presentation should be professional and based in sound science and qualified references.
6. Practice your presentation with friends and colleagues. Ask for constructive criticism.
Examples of Past Posters

### Voids of Voices

**Introduction**
- An overview of the project and its objectives.
- The importance of understanding the challenges faced by individuals in underserved communities.

**Methods & Results**
- Study 1: Gathering data through surveys and interviews.
- Study 2: Analyzing the collected data to identify key issues.
- Study 3: Developing strategies and interventions.

**Conclusion**
- Key findings from the research.
- Recommendations for future action.

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### Interdisciplinary Collaboration between Dental Hygienists and Cancer Treatment Facilities in Rural Illinois

**Purpose**
- The need for improved access to dental care for cancer patients.
- Collaboration between dental hygienists and cancer treatment facilities.

**Key Features**
- Enhanced communication between dental professionals and healthcare providers.
- Improved patient care and outcomes.

**Results**
- Increased awareness of oral health among cancer patients.
- Demonstrated need for specialized dental care in rural areas.

**Conclusion**
- Enhanced collaboration benefits all stakeholders.
- Continued efforts needed for long-term sustainability.

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**References**
- Various studies and reports related to dental health and cancer treatment.
Rules and Regulations for Informative Poster Presenters

1. All presenters must be student members of ADHA at the time of the application deadline to participate in the Undergraduate Student Research Competition (April 24, 2020).
2. Up to four presenters are allowed for each poster.
3. Professional attire is required. Please keep in mind that presenters will be standing during the entire judging process, so comfortable shoes are recommended.
4. Displaying a dental hygiene program name or name tag during judging is strictly prohibited. Do not wear name tags with school affiliation. Those who do not comply will be disqualified from the competition.
5. Names may be displayed on the poster itself but must be covered up with non-transparent tape prior to and during the judging period.
6. Presentations must not exceed seven minutes. A two to three-minute question and answer portion will follow after concluding the presentation.
7. Trade names on products and or instruments are allowed to be identified.
8. Drugs names are allowed to be identified by their trade, commercial or product name. However, drug names must be referenced by their generic name or chemical makeup following the initial statement of the trade, commercial or product name.
9. Posters will be judged by up to four randomly assigned judges.
10. Advertising matter, commercial promotion and solicitation of sales of any type are prohibited.
11. Posters must be confined to the size of the billboard provided (4’ x 8’), and in landscape layout.

Failure to comply with these rules and regulations will disqualify the poster from active competition and it will not be judged.
Research Poster Presentations

The Research Poster Presentations give students the opportunity to show off the original research that they have done during their undergraduate career. This is a competition and will be both judged and scored. First, second and third place will be awarded, in addition to an honorable mention.

Please note that the poster application fee is included in the student registration fee for ADHA’s 2020 Annual Conference.

**All applications must be received by April 24, 2020.**

**Requirements**

Presenters are required to be present at all three related events at ADHA’s Annual Conference:

- The competition on Thursday, June 11 from 3:00 – 6:00 p.m.
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**Competitors are required to wear professional, business attire to all related events (slacks, skirts, blazers, etc.)**
Research Poster Presentations

What is a Research Poster Presentation?

A **Research Poster Presentation** is a presentation of an original research study. Posters incorporate visual media and original data that reflect an area of ADHA’s National Dental Hygiene Research Agenda.

During the competition, student presenters will have ten minutes with each judge, seven minutes to formally present the elements of their poster and two to three minutes to answer questions. At the Poster Presentation Session, presenters will have the opportunity to discuss their poster with attendees at ADHA’s Annual Conference.

**Research Poster Presentation Objectives**

1. Clearly define the purpose for the research study.
2. Identify and outline the research methodology
   - Design: survey, focus groups, etc.
   - Quantitative v. qualitative.
   - Procedures: describe intervention and control if experimental.
   - Sampling: random, snowball, sample size, demographics, etc.
   - Statistical tests employed.
3. Describe the results, including statistical data analysis. Should include percentages, and/or p-values, etc.
4. Clearly state how the conclusions or findings are supported by the results of the research.
5. Prepare and practice your oral presentation with friends and colleagues. Ask for constructive criticism.
6. Be prepared for questions and discussion.
Required Structure for Research Poster Presentations

1. **Title** (clear, scientific, concise and relates to topic)
   - Ex.: “Evaluation of Resources for an Interactive Infection Control Instructional Program”
   - “Point-of-Care HbA1c Screening Predicts Diabetic Status of Dental Patients”

2. **Problem**
   - Ex.: “The number of caries in children and adolescents is an oral health crisis…”
   - Ex.: “Access to care is a global issue…”

3. **Objectives**
   - The objective should be clear and concise.
   - Studies with more than one objective should differentiate primary versus secondary.

4. **Methodology and Statistics**
   - Study design needs to be clearly stated such as cross-sectional study, randomized controlled study, split-mouth design, survey, etc.
   - Be specific on subject criteria, number of subjects included, whether it was a convenience sample or if subjects were screened and randomized into groups.
   - Describe intervention, survey, test product and control where appropriate.

5. **Results**
   - Provide numerical data that clearly communicates the findings in the study.
   - Include differences from baseline and between groups as needed
   - Clearly state the significance by providing p-value, percentages, and/or other statistical findings appropriate for study design.

6. **Conclusions**
   - Make sure conclusions clearly relate to the objective of the study.
   - Avoid adding superfluous or anecdotal information.
Examples of Past Research Posters:

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**The Effect of CPP-ACP Compared to 5% Sodium Fluoride Variants on Remineralization of White Spot Lesions Measured by the Canary System: An In vitro Study**

**Introduction**
- White spot lesions are areas of demineralization that may be reversible.
- Reduced intake of foods high in refined sugars and acidic foods has been linked to remineralization.
- CPP-ACP (containing calcium, phosphorus, and two fluoride ions as its active ingredient) to remineralize the tooth surface.
- Test subjects were assigned to groups with different CPP-ACP formulations.
- Objective: To observe the effects of CPP-ACP on remineralization of white spot lesions.

**Materials & Methods**
- Single-blind, randomized controlled study.
- 25 adolescents aged 12-18 years assigned to one of three intervention groups.
- Groups: Specialized CPP-ACP, Sodium Fluoride Variants, or Control.
- Intraoral pH was measured hourly to assess reaction to the interventions.
- Results were analyzed using ANOVA and post-hoc tests.

**Results**
- Decreased lesion progression in the CPP-ACP group compared to controls.
- Sodium Fluoride Variants showed mixed results.

**Conclusions**
- CPP-ACP showed significant benefits in remineralization.
- Sodium Fluoride Variants showed mixed results.

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**Periodontal Disease Pathogen Assessment: A Case Study Design**

**Objective**
- To assess the presence and significance of periodontal pathogens in a case study design.

**Methodology and Methods**
- Patients were divided into two groups: Control and Case.
- Case group included patients with documented periodontal disease.
- Control group included patients without periodontal disease.
- Clinical and radiographic assessments were performed.

**Results**
- Patients in the Case group showed higher levels of periodontal pathogens.
- An additional treatment recommendation based on delivery test results was made to the clinician.
Rules and Regulations for Research Poster Sessions

1. All presenters must be student members of ADHA at the time of the application deadline to participate in the Undergraduate Student Research Competition during ADHA’s 2020 Annual Conference.
2. Up to four presenters are allowed for each research poster presentation.
3. Presenters must have been directly involved in conducting the research study presented.
4. Professional attire is required. Please keep in mind that presenters will be standing during the entire judging process, so comfortable shoes are recommended.
5. Displaying a dental hygiene program name or name tag during judging is strictly prohibited. Be sure to turn your name tag around during the judging process. Those who do not comply will be disqualified.
6. Names may be displayed on the poster itself but must be covered up with non-transparent tape prior to and during the judging period.
7. Presentations must not exceed seven minutes. A two to three-minute question and answer portion will follow after concluding the presentation.
8. Advertising matter, commercial promotion and solicitation of sales of any type are prohibited.
9. Drugs names are allowed to be identified by their trade, commercial or product name. However, drug names must be referenced by their generic name or chemical makeup following the initial statement of the trade, commercial or product name.
10. Presenters must supply all materials, except the billboard.
11. Charts, posters and diagrams must be constrained to the size of the billboard provided (4’ x 8’), and in landscape layout.
12. Research poster sessions will be judged by up to four randomly assigned judges.

Failure to comply with these rules and regulations will disqualify the poster from active competition and it will not be judged.
Registration & Payment Information

Participation in the 2020 Undergraduate Student Research Competition requires students to submit an application and register for the 2020 Annual Conference. Students participating in the competition will register for the Student attendee category for the conference (more information on that can be found here). Please contact Rebecca Scholtes, Meetings Coordinator at rebeccas@adha.net with any questions regarding registration and payment.

Students who wish to attend and present their poster at ADHA’s 2020 Annual Conference in New Orleans will have access to:

- 2020 Undergraduate Student Research Competition and Awards Brunch
- Both General Sessions
- The Exhibit Hall
- All ADHA Annual Conference Student Track courses and activities
- And more!
Questions?

If you wish to change your presentation type OR if you have any questions about the rules and regulations for your poster category, please contact:

Tyler Dempsay, ADHA Research Coordinator
Email: tylerd@adha.net

Please use the link to the submission form below to input your information and submit your application.

Apply here:  