Program Goals

Thursday October 20, 2011
9:00 AM to 12:00 PM
Plenary Session I  “Getting Inspired by Research”

Goals:
1. Share information about ongoing activities hosted by the National Center for Dental Hygiene Research & Practice.
2. Learn about outcomes and recommendations from the 1st North American Dental Hygiene Research Conference.
3. Discuss services and programs available through the National Library of Medicine.
4. Discuss common myths and misconceptions about the human body and health.

Topics:
Welcome and Update from the NCDHRP
Presentation: National Library of Medicine
Keynote Address

1:30 PM to 5:00 PM  Scientific Poster Session

Goals:
1. Share original dental hygiene research with colleagues.
2. Identify topic areas of shared interest to foster collaborative research efforts.
3. Learn new ideas for furthering dental hygiene research work efforts.
4. Assess how the presented research supports dental hygiene research agendas.

Topics:
Original research and new programs for research are shared with colleagues

1:30 PM to 5:00 PM  Resource and Technology Exhibition

Goals:
1. Learn about resources that are available to assist with the preparation and conduct of research studies.
2. Explore publishing opportunities for dissemination of knowledge gained from research.
3. Identify funding mechanisms used to support oral health research.
4. Review published materials that are available to professionals to assist with knowledge acquisition and scientific writing.

Topics:
Publishers
Professional organizations and foundations
Federal resources

6:00 PM to 7:15 PM  Student Program

Goals:
1. Learn tips for successfully surviving graduate school.
2. Discuss different career paths for dental hygienists.
3. Discuss research is incorporated into careers in dental hygiene.
4. Foster relationships between students and established investigators.
Friday October 21, 2011

9:00 AM to 12:00 PM  
Plenary Session II  “Research that Influences Practice”

Goals:
1. Explore recent advances made in the diagnosis and treatment of oral cancer.
2. Discuss the benefits and limitations of chair side diagnostic devices used to detect oral cancer.
3. Describe the role of dental hygienists in the detection, treatment and prevention of oral cancer.
4. Discuss national dental hygienist practice behaviors related to detecting, managing and counseling patients with oral cancer.
5. Examine the evidence surrounding the use of lasers in dentistry.
6. Identify important research questions for the study of laser use in dental hygiene practice.
7. Compare the use of lasers to other interventions for treatment of oral disease.

Topics:
Oral Cancer Research Update
National Center for Dental Hygiene Research & Practice, Dental Hygienist Practice Behaviors Related to Oral Cancer Survey Results
Lasers in Dentistry Research Update

12:00 PM to 1:45 PM  Lunch in SIG groups

Goals:
1. Identify the intellectual topic or professional concern around which the SIG is formed.
2. Provide a written rationale for the need for the SIG.
3. Select a convener to represent the SIG for the term of one year.
4. Identify the process by which future conveners will be selected.
5. Develop a communications plan for the SIG.
6. Provide the list of names and contact information for a minimum of 8 members of the SIG.

Topics:
Policies and procedures for SIG formation and communications

2:00 PM to 5:00 PM  Scientific Session: Oral Free Papers

Goals:
1. Share original dental hygiene research with colleagues.
2. Identify topic areas of shared interest to foster collaborative research efforts.
3. Learn new ideas for furthering dental hygiene research work efforts.
4. Assess how the presented research supports dental hygiene research agendas.

Topics:
Original research and new programs for research are shared with colleagues
Saturday October 22, 2011

8:30 AM to 11:30 AM  Concurrent Workshop Sessions
1:00 PM to 4:00 PM  Repeat of Concurrent Workshop Sessions

1. Grant Writing – Margaret Walsh, RDH, EdD; Denise Bowen, RDH, MS

Description: This workshop will provide an overview of the important components of writing a clear, concise, and tailored grant application. Presenters will discuss how to address criteria of significance, approach, innovation, investigator and environment. Activities will be used to critique sections of previously written grants.

Goals:
1. To develop a better understanding of the grant writing process.
2. To cultivate a persuasive approach for addressing the essential components of a well-written grant.
3. To provide insight into how to embark upon a successful, comprehensive grant development process.

2. Manuscript Preparation and Professional Presentations – Rebecca Wilder, RDH, MS; Jacquelyn Fried, RDH, MS

Description: This course will provide participants with strategies for creating successful oral and poster presentations and publishable manuscripts. Topics will include manuscript preparation, submission, addressing reviewer’s comments and overall strategies for getting a paper into publishable form. How to write a meaningful and relevant paper also will be emphasized. Successful strategies for poster and oral presentations will be discussed from idea inception, submission of the abstract, visual design, and presentation and speaking techniques.

Goals:
1. Discuss the peer review process and differentiate between publication types.
2. Discuss necessary elements that must be included in peer reviewed, scientific journal submissions.
3. List essential steps for responding to reviewers’ comments.
4. Discuss the key components of abstracts submitted for presentation at a professional meeting.
5. Discuss design elements necessary for successful poster or oral presentations.

3. Keeping Current: Clinical Decision Support Systems – Jane L. Forrest, RDH, EdD; Syrene A. Miller, BA; and Gregory Miller, DDS

Description: The proliferation of clinical studies and journal publications has made keeping current with relevant research nearly impossible. Knowing how to find the scientific evidence to support clinical decision-making requires understanding new concepts and developing new skills. Participants will gain experience with using an evidence-based approach for finding and evaluating different sources of information, as well as learn about the latest emerging resources that can be used in education and practice.

Goals:
1. Discuss how the Evidence-based Decision Making process provides a systematic way for keeping current.
2. Describe how levels of evidence directly relate to research designs.
3. Differentiate between primary and pre-appraised or filtered sources of information: individual research studies, literature reviews, systematic reviews, practice guidelines and clinical decision support systems.
4. Discuss the use of emerging clinical decision support (CDS) tools for use in making patient care decisions.
4. Overcoming the Fear of Statistics – Karen Williams, RDH, PhD; Philippe Hujoel, PhD, DDS, MSD, MS

**Description:** Sport statistics rarely instill fear. Neither should health statistics. Many people, including dental hygienists, are unable to “deal comfortably with the fundamental notions of numbers and chance” (Paulos). Statistics should be informative, invite discussion, invite comparison, and support logic. This workshop will cover common mistakes to avoid in designing research and selecting statistics, some of the simple sums that can be part of assessing health questions, and why and how to get a statistical consult before conducting your own research.

**Goals:**
1. Identify common mistakes in designing research and selecting statistics.
2. Understand the conventions that dictate the construction of a 2x2 table.
3. Be able to derive some useful health statistics from a 2x2 table.
4. Understand why the “Keep-it-simple” rule may save you from being bamboozled.
5. Discuss how to prepare for a statistical consult and analysis.

5. Getting Started in Clinical Research - MaryAnn Cugini, RDH, MHP; Janet Kinney, RDH, MS; Christine Charles, RDH

**Description:** This workshop will provide interactive discussions and presentations from academic and industry clinical researchers. Using role-play and open discussions, the clinical trial process will be explored from hypothesis inception through publication of results. The workshop format is designed such that attendees will gain an understanding of the skills, roles, and responsibilities involved in a clinical research career.

**Goals:**
1. Describe the roles and responsibilities involved in a career in clinical research.
2. Explore the process involved in day-to-day conduct of clinical trials from the perspective of the sponsor and investigator.
3. Compare and contrast industry and academic research career pathways.
4. Learn about Dental Practice-Based Research Networks designed to train clinician investigators to study problems encountered on a daily basis in practice.

6. Introduction to Preparing a Systematic Review – James Bader DDS, MPH; Pat Walters, RDH, MS; Dagmar Else Slot, MSc, RDH; Jean Suvan, DipDH, MSc, CRA, FHEA

**Description:** This workshop takes participants through the steps involved in performing and reporting a systematic review. The rationale for each of the procedural steps in a systematic review protocol is discussed, and the mechanics of accomplishing the protocol are described. An overview of both writing and critically appraising systematic reviews is presented though consideration of the PRISMA and AMSTAR guidelines. In addition, dental hygienists who have participated in the systematic review process will share their experiences.

**Goals:**
1. Understand the need for systematic reviews as unbiased assessments of the evidence to answer a clinical question.
2. Appreciate the rudiments of performing systematic reviews to the extent that they can usefully assist in their preparation.
3. Demonstrate a willingness and ability to critically evaluate systematic reviews.
7. Design Considerations in Qualitative Research – Alice Horowitz, PhD; Wendy Child, MSc; Ellen Rogo, RDH, PhD

**Description:** Have you wondered about how to use focus groups to enhance your research? Or wanted to learn about strengthening your qualitative methods? This workshop will walk you through what qualitative research involves and how it can be used on its own or to enhance quantitative research. The presenters will share numerous how-to examples from focus group studies and interviews to illustrate considerations for a professional qualitative study. Also, the types of findings you can glean to enhance other research, improve patient communication, and augment your practice's contribution to oral health literacy will be highlighted.

**Goals:**

1. Discuss different uses for qualitative research (e.g. focus groups and interviews).
2. Identify the components of a sound qualitative research plan, including appropriate logistics, recruiting strategies and tools.
3. Appreciate working with a professional moderator, use of effective moderator discussion guides, why professional moderating is a valuable investment, and common reporting options.
4. Identify professional resources to support effective qualitative research.

8. Emerging Science that Influences Practice – Philippe Hujoel, PhD, DDS, MSD, MS; Judith Huff-Shack, RDH, BS; Timothy Wright, DDS, MS; Donna Smith, RDHAP, BSDH, MSED

**Description:** This workshop will assist clinicians with translating current research findings into practice. Topics include a review of the risk of bisphosphonate-induced osteonecrosis of the jaws given new findings from several large studies, including data from the NIDCR-funded trans-dental practice based research networks (CONDOR) studies; efficacy of tobacco-cessation interventions by dental hygienists in the University of Alabama DPBRN; the use of CAMBRA as a model for assessing caries risk with related interventions; and implementing CAMBRA in a clinical practice setting.

**Goals:**

1. Understand the risk of bisphosphonate-induced osteonecrosis of the jaws across multiple population groups.
2. Examine the efficacy of various tobacco cessation interventions used in dental hygiene practice.
3. Develop the skills necessary to utilize CAMBRA as a caries risk assessment tool.
4. Identify appropriate intervention strategies to reduce caries risk in dental hygiene practice.
5. Explore practice considerations related to implementing CAMBRA into the dental hygiene process of care.