

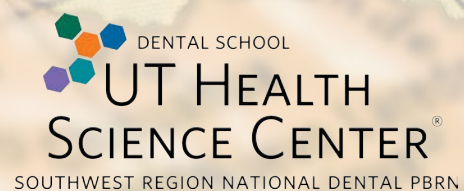
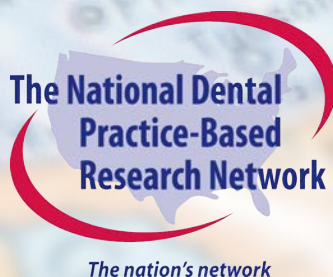
Connecting and Collaborating: A Roadmap to Nationwide Research



3rd Annual Southwest Region
Meeting of the National Dental
Practice-Based Research Network

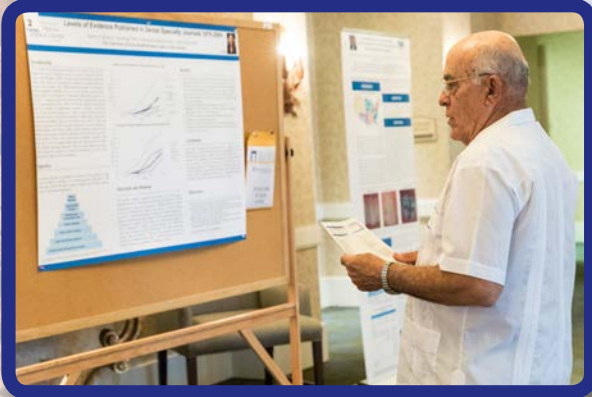
March 19-20, 2015

MEETING SUMMARY



5.25 hours CE awarded

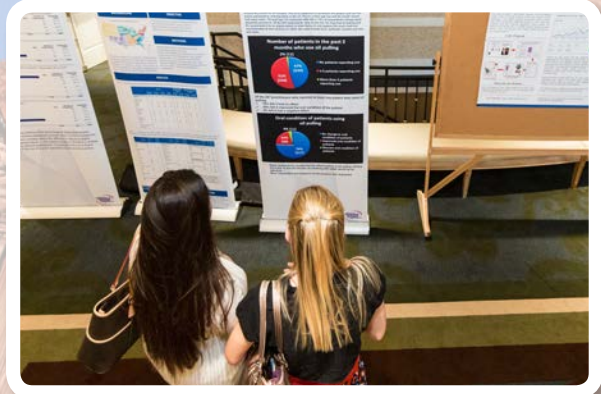
Meeting Presentations & Highlights



ATTENDANCE:
73 Southwest Region members (dentists, hygienists, academics) were able to attend the annual meeting!

Members who were present on Thursday night were able to view and give their thoughts on posters about network studies, network quick polls and Critically Appraised Topics (CATs).

Congratulations to Shannon Erdos-Jock (Lewisville, TX) and Tiffany Oliver (Tempe, AZ) whose responses to the posters won our raffle!



"This was my first year attending the meeting and it was a wonderful experience! I look forward to continue participating in the network."

Two practitioners that are participating in the Cracked Tooth Registry Study spoke about their experience of implementing a study into their daily practice.

Thank you to Dr. Tom Karr (Left - Amarillo, TX) and Dr. Carl Mentasana (Right - Dallas, TX) for sharing your experiences!



"[The network] has added to the satisfaction and enjoyment of being a dentist after doing pure dentistry for 20 years!"

Meeting Presentations & Highlights



Dr. Dena Fischer: *YOUR National Dental Practice-Based Research Network*

Dr. Fischer from the National Institute of Dental and Craniofacial Research spoke about the development and structure of the National Dental PBRN. The various opportunities for practitioner engagement in the network were discussed. Dr. Fischer emphasized that the network strives to be centered around the practitioner in everything it does.

Dr. James Bader: *Caries Management through Assessment and Incomplete Removal*

- There is evidence that incomplete caries removal is more successful at reducing pulp exposure as compared to complete caries removal
- Current caries risk assessments are moving towards a “caries prediction” model and attempt to identify individuals at high-risk
- Past studies have found that 1/3 of patients present with at least one suspicious occlusal caries lesion, but almost half of opened lesions didn’t extend to the dentin, were inactive, or not present
- Better methods of identification are needed - an upcoming network study will investigate two diagnostic devices and their utility



Dr. John Rugh: *Applying your Clinical Experience to Critically Appraised Topics (CATs)*

- The major increase in dental publications makes it difficult for practitioners to keep up-to-date
- A CAT is a structured 1-page summary of the best available evidence on a focused question
- Practitioners can now provide a rating for each CAT based on how consistent and important these results are within their daily practice - see an example of a rating our practitioners did below!

Meeting attendees reviewed CATs and reflected on how the findings aligned with their clinical practice (i.e., correct, incorrect, needs qualification, no experience) and rated its clinical importance on a scale from 1-5

UT CAT #602: In terms of longevity, dental amalgam and resin composite are comparable. In larger restorations, amalgam may be the material of choice as its failure rates are slightly lower than resin composite, especially for patients at high risk for caries.

This information is: Correct 20 Incorrect 11 Needs Qualification 18 No Experience 5
Importance: ♦♦♦♦◇

Breakout Session #1

Prior to the meeting, attendees were asked to prioritize the research question ideas that have been generated at past meetings based on interest and impact. The top 4 research ideas were:

1. Effective treatment options for dry mouth
2. Treating periodontal disease with lasers
3. Knowledge and application of current fluoride usage
4. Treatment options for bruxism

During the meeting, participants were able to choose one of these topics and work in groups to develop a quick poll or survey questions on the topic.

Check out some of the questions generated below and look out for these topics in future network Quick Polls!



What are your criteria for intervening for bruxism treatment? (check all that apply)

- a) Patient complaint
- b) Objective signs (e.g. tooth wear)
- c) Associated medical condition (e.g. obstructive sleep apnea)

What are some factors that might influence your current practice standard for fluoride application? (check all that apply)

- a) Insurance payment
- b) Lack of standard guideline
- c) Research funding
- d) Point of care fluoride level test
- e) Community water fluoridation



On what sites do you apply laser therapy?

- a) Localized deep pockets
- b) Generalized sites
- c) Localized deep pockets with bleeding on probing only

What diagnostic tools do you use to diagnose dry mouth?

- a) Salivary flow rate testing
- b) Patient self-report
- c) Clinical observation
- d) Survey

Breakout Session #2

Dentists and hygienists were divided into separate groups to work with Dr. Julia Melkers to provide feedback on the upcoming network study "Understanding the Dental Information Networks around Novel Nicotine Products."

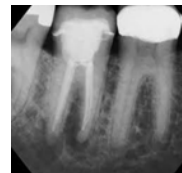
Practitioners discussed questions such as:

"E-cigs and vaping - how much are you seeing this in your practice?"

"Do you think e-cigs are an oral health concern? Why or why not?"

"Describe a problem (clinical or not) that you are grappling with in your practice that you need more information about."

"Once again a great conference. I've been coming since the first year and I see things really starting to come together...It is even more satisfying to see topics that I helped create being used as actual research topics."



What to Expect Next! Upcoming Studies:

1. Predicting Successful Crowns Survey (April 2015)
2. Predicting Successful Crowns Clinical Study (Fall 2015)
3. HPV & Oral Cancer Pilot Study (Fall 2015)
4. Treatment of Anterior Openbite (Late 2015)
5. Common Practices of Oral Cancer Examinations Survey (Late 2015-early 2016)
6. Leveraging Electronic Dental Records for Research and Quality Improvement (2016)
7. Management of TMJD Patients (2016)
8. Predicting Outcomes of Root Canal Treatment (2016)

Interested in Participating in a Clinical Study?

We will be sending out an updated study interest survey during the summer of 2015. This survey will come via email from ReyesS@uthscsa.edu

The study interest survey is used to determine initial study invitations.



Thank you for your participation!

Contact Us:

National Dental PBRN
STRF MC 8258
8403 Floyd Curl Drive
San Antonio, TX 78229
Phone: 210-562-5654
Fax: 210-567-8022

Thomas Oates
Regional Director
Oates@uthscsa.edu

Rahma Mungia
Regional Deputy Director
Mungia@uthscsa.edu

Meredith
Buchberg
Regional Coordinator
Buchberg@uthscsa.edu
210-562-5686

Stephanie Reyes
Lead Regional Coordinator
ReyesS@uthscsa.edu
210-562-5654

Colleen Dolan
Regional Coordinator
DolanC@uthscsa.edu
210-562-5652



The nation's network

