

Southwest Region Newsletter

Issue 2

Welcome!

The Southwest Region of the National Dental PBRN would like to introduce our second newsletter. The newsletter allows members to see region-specific statistics, current studies, upcoming studies and much more. On behalf of the Southwest Region, please enjoy!

Meet Meredith!

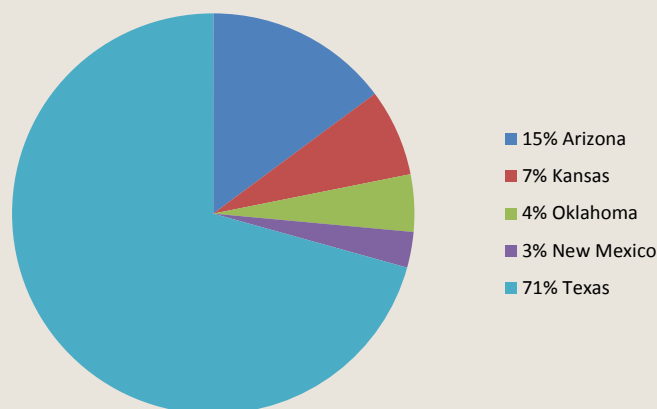
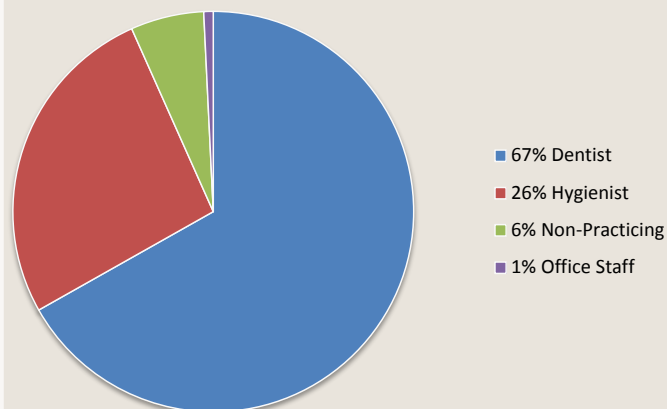


Sarah Theisen, our current Regional Coordinator, will be leaving the National Dental PBRN July 31, 2014. She will be heading to graduate school for her PhD in Experimental Psychology.

Meredith Buchberg will be the new Regional Coordinator working alongside Stephanie Reyes. Meredith comes from M.D. Anderson in Houston, TX. She received a Masters of Public Health Epidemiology at the University of Texas School of Public Health also in Houston, TX. Please join us in welcoming Meredith to the team. Look for updated contact information coming soon.

Current Region Statistics

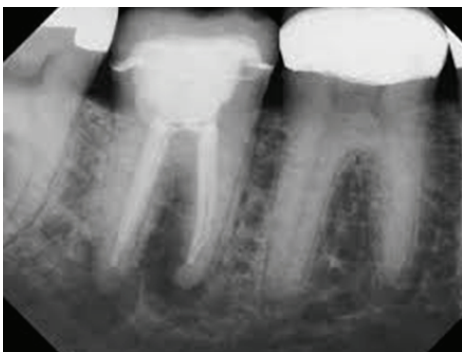
Currently the Southwest Region has over 1050 members!



National Dental PBRN Study News

Upcoming Studies

- 1. Decision aids for management of suspicious occlusal caries**
 - 4-8 month, in-office study using one of two different devices to detect suspicious occlusal caries
 - Assess the contribution of these devices in dentists' decisionmaking processes surrounding SOCLs
 - *Full enrollees can participate*
 - *Status: Recruitment open*
- 2. Management of dentin hypersensitivity**
 - 4-6 month, in-office comparative effectiveness study of treatments already being used
 - Patients report at 1, 4, and 8 weeks after treatment
 - *Full enrollees can participate*
 - *Status: Recruitment open*
- 3. Human papilloma virus and oropharyngeal cancer pilot study**
 - In-office study to determine rates and risk factors for persistent infection
 - Screen for precancerous lesions among persons with infection
 - *Full enrollees can participate*
 - *Status: Recruitment open*
- 4. Predicting successful single-unit crowns**
 - Two-phase study
 - Part one: Questionnaire with 1,500 dentists
 - Part two: Clinical study with 100 dentists
 - First study ever to compare dentist, patient and laboratory ratings of success in the same study
 - *Full and limited enrollees can participate*
- 5. Patient satisfaction with dental treatment**
 - Role of patient expectations and dentist-patient communication in discordance
 - Relation to poor follow-up, lack of recall visits, leaving practice
 - *Full and Limited enrollees can participate*
- 6. Management of TMJD pain patients**
 - In-office study Compare success of different treatments to reduce pain at 12 months
 - *Full enrollees can participate*



What to Expect

Information you will need to participate in an in-office study

Soon we will be emailing a quick survey to evaluate member interest in upcoming studies.

- Completing this survey will let us know to contact you for your studies of interest when recruiting begins
- Study Invitations will have detailed information about what your participation involves
- If you plan on participating in an in-office study you will need to be “Full Participation”
 - If you would like to change your membership status, please contact us

The following is a summary of the training and documentation a research coordinator will work with you to complete if you sign up to participate in an in-office study:

Required Training-"Full Participation" Membership

1. **National Dental PBRN Orientation**
 - ▷ If you have already completed the orientation, please disregard
2. **Human Subject Protection training**
 - ▷ For you and anyone in your clinic whom you would like to help you with consenting patients
3. **Study Specific Training**
 - ▷ The training will be in-office or through a web-based program after all the necessary training and documentation has been completed
 - ▷ An hour of CE will be available to all National Dental PBRN members for this training

Documentation Needed-"Full Participation" Membership

1. **W-9**
 - ▷ Filled out individually or for your practice/corporation
 - ▷ If individually, we will need your SSN # on the form
 - ▷ If for the practice or corporation we will need the Employer ID #
2. **Master Service Agreement**
 - ▷ This agreement will require your signature and is between you and University of Alabama who will be paying you for your participation in the study
3. **Individual Investigator Agreement**
 - ▷ This agreement will require your signature as well and is between you and the Institutional Review Board (IRB) here at the University of Texas Health Science Center in San Antonio (UTHSCSA)

Survey only opportunities for Full and Limited members will come from this email:

→ NationalDental@ndpbrn-research.org ←

Please be sure to save this email to your trusted contact list to receive study specific details

Critically Appraised Topics (CATs)

At the 2nd Annual Southwest Region Meeting, Dr. John Rugh presented on the UT Dental School Critically Appraised Topics (CATs) library. Many members showed interest in this important resource which provides the most relevant and up-to-date evidence on clinical dental problems. Below is a follow-up email from Dr. Rugh our region wanted to share, along with the CATs website address. On the next page you will find the results of a CATs search done on a research topic generated during the 2nd Annual meeting in the “Guitar Room.”

Written February 27, 2014

Dear NPBRN Members,

Several of you asked about resources for learning the “Search” and “Filter” skills I discussed last Friday at the PBRN meeting. There are many search engines. I believe you will find the British “[Trip Database](#)” and the NLM “[Clinical Queries](#)” to be the most cost-effective and user-friendly.

The links below provide online tutorials for TRIP & PubMed Clinical Queries. The search methods will allow you to find the most recent and highest level of evidence for your specific clinical questions (most of the time).

<http://www.tripdatabase.com/how-to-use-trip>

http://www.nlm.nih.gov/bsd/disted/pubmedtutorial/020_570.html

<https://cats.uthscsa.edu/>



<https://cats.uthscsa.edu/>

Critically Appraised Topics (CATs)

ToPs Generated Idea: "Patient Anxiety"

Title Using A Noise Canceling Audio Device As A Means To Help Calm A Dental Patient With Anxiety

Clinical Question In an anxious patient, does a noise canceling audio device have the ability to relax the patient more than an audio device alone?

Clinical Bottom Line More research is needed to conclude whether a noise canceling audio device is more effective at reducing dental anxiety than an audio device alone. However, research does conclude that music distraction is successful in reducing a patient's anxiety during dental treatment.

Best Evidence

PubMed ID	Author / Year	Patient Group	Study type (level of evidence)
15259973	Canbek/2004	254 Healthy patients from the university clinic with an average age of 32	Crossover Study
Key results	The use of masking noises in a test period of 15 minutes led to a significant reduction ($p = 0.0017$) in patient's perceptions of noise experienced during dental treatment compared to no masking noise.		
18310736	Lahman/2008	Patients with dental anxiety	Randomized Control Trial
Key results	While music distraction resulted in a significant reduction in anxiety state in comparison with no intervention (C) ($P < .05$), the anxiety reduction following brief relaxation was greater than that in the control ($P < .001$) and music distraction ($P < .001$) groups.		

Evidence Search #20 Search noise cancellation#18 Search "Relaxation" [(Mesh)] AND "Relaxation Therapy" [(Mesh)] #15 Search ("Noise" [(Mesh)] AND "Dental Anxiety" [Majr] #11 Search (relaxation [MeSH Terms]) AND #10#10 Search "Dental Anxiety" [Majr]#9 Search ("MP3-Player" [Mesh]) AND "Relaxation" [Mesh] AND "Relaxation Therapy" [Mesh])

Comments on The Evidence Both study designs included groups that were similar at the start with greater than 80% completion rate and adequate follow-up. The 2004 study treated the treatment group the same whereas the 2008 study treated the groups differently. Neither study used double-blind randomization and had little to no recall bias or competing interests.

Applicability Both studies are applicable to patients who experience anxiety prior to routine dental treatment, not including those patients who are phobic or have experienced psychological trauma from prior treatment.

Specialty (Public Health) (Endodontics) (General Dentistry) (Oral Surgery) (Orthodontics) (Pediatric Dentistry) (Periodontics) (Prosthodontics) (Restorative Dentistry)

Keywords dental anxiety, audio device, stress reduction, dental treatment, relaxation

ID# 776

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2nd Annual Southwest Meeting

Our 2nd Annual Southwest Region Meeting was a success! The annual meeting was held February 20-21, 2014 at the beautiful Éilan Hotel Resort and Spa in San Antonio, TX. A total of 74 members attended and received six hours of continuing education credit.

Dr. Dena Fischer began Friday with an opening regarding the NIDCR and the National Dental PBRN. Dr. Paul Benjamin discussed PBRNs and evidence-based practices. Dr. Dan Beachler gave more insight into oral HPV infection and HPV-associated head and neck cancer. Dr. John Rugh closed the meeting with a presentation on Critically Appraised Topics (CATs).

The overall meeting consisted of three breakout sessions: World Café Thursday night, ToPs Facilitation (Study Idea Generation and an Environmental Scan of Oral Health over the past 20 years using Wave Methodology), and a concurrent session including dentist specific studies with a panel discussion and hygiene study development.

[Click here to view the post-meeting summary](#)



The Southwest Region continues to use Technology of Participation (ToP) to gather study ideas from dentists, dental hygienists and academicians. On the next page, you will see a poster titled “Generating National Dental Practice-Based Research Network (PBRN) Ideas through ToP Consensus Method” presented at the American Association for Dental Research (AADR).

3rd Annual Southwest Meeting

When: Thursday March 19-Friday March, 20, 2014
Where: Éilan Hotel Resort and Spa in San Antonio, TX

We will be sending out more information in the next few months.

PBRN Travel Buddies

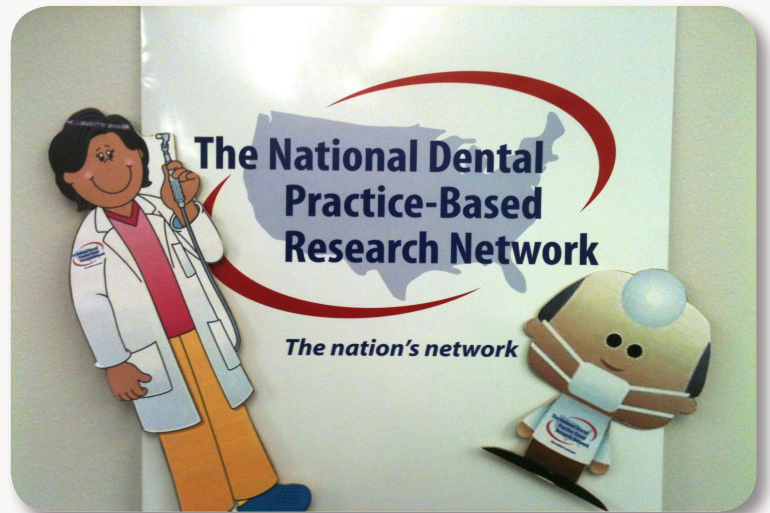
Meet Pneubert and Petunia!! These two buddies travel around with us. Here is where we and they have been lately:

Where did they go?

- American Dental Education Association
- American Association for Dental Research
- Texas Dental Association

Where will they be next?

- Hispanic Dental Association: August 22-23, 2014
- American Dental Association: October 2, 2014
- American Association for Dental Research



Want to talk to a colleague, but not sure how? Are you a part of a Study Club or Local Association?

Please use these documents to encourage your colleagues to join:

- ▷ Simple talking points
 - ▷ <http://tinyurl.com/DialoguePoints>
- ▷ Short PowerPoint presentation
 - ▷ <http://tinyurl.com/SimpleMember>



Need to Update your information?

Please contact a Regional Coordinator to update your Primary Address. The Regional Coordinator will then send an email for the update.

In the Works:

- ▷ 3rd Annual Southwest Region Meeting
- ▷ Protocol Development Groups (PODs)

→ Save Survey Email Address ←

NationalDental@ndpbrn-research.org

Please be sure to save this email address to your trusted contact list. You will receive study specific details from this email address

PLEASE CONTACT A REGIONAL COORDINATOR FOR MORE INFORMATION:

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