



# Time To Act: Building Bridges Between Practice and Research

**2<sup>nd</sup> Annual  
Southwest Region Meeting  
of the National Dental PBRN**

**February 20-21, 2014**

## **MEETING SUMMARY**

6 hours Continued Education awarded



Thursday February 20, 2014

Breakout Session I: World Café



Members, who were present Thursday night, were able to attend the World Café. This breakout session asked six important questions the Southwest Region wanted to address. Members were asked to draw and write their answers on the butcher paper at each table.

**1. How can we meaningfully engage our PBRN clinicians who are not participating in a study?**

- Wanted to see specific study emails
- Networking sites
- Social site
- Quick answers?
- Study club that meets monthly
- Touch base with study clubs already developed



**2. What would you like to see us change, or do differently, with our Network's e-newsletters and updates (i.e. general info, study info, CE info)?**

- Likes the newsletters
- Questions about content; abstracts?
- Details of studies
- Links to past studies
- Future studies?
- Bigger email network
- Some topics are too long



*"It was very informative and insightful. I have reenergized the love for dentistry and what we can achieve as a network. It was great meeting you."*

**3. What concerns do you and/or your staff have on conducting in-office studies? How could the Network address those concerns?**

- Something for everyone in every study
- Designed for it not to be a burden on anyone
- How to get staff to buy in?
- Incentive for staff?
- Commitment for patients?
- What if you lose patients in studies?



**4. What issues might PATIENTS encounter that we are most likely to not recognize when developing our research concepts and future projects?**

- Language and clarity of goals and study for patients
- Clear and communicate well
- Presenting consent for to patient
- Make the language simpler for the patient



**5. In what ways is the Network fulfilling your expectations? How can the Network better meet your expectations?**

- Great team facilitating
- Great staff response
- How to earn CE?
- What's in it for me?
- CITI: boring-first impression of network

**6. What are your hopes and anticipations for this meeting? What would you like addressed in future meetings?**

- Process?
- Potential networking among themselves
- How does it work?
- What happened to the ideas from last year?



Friday February 21, 2014

Presentations



**ATTENDANCE:**

74 Southwest Region members (dentists, hygienists, non-practicing) were able to attend the annual meeting!



*"Great info! I so appreciate the opportunity to network with dental professionals who are excited about dentistry and want to move our profession forward using real world info and research. I'm so glad to be a part of the PBRN."*

**Presentations**

**Dr. Paul Benjamin DMD: Practice-Based Research Networks and Evidence-Based Dentistry – How do they fit together and why should I care?**

Dr. Benjamin provided an overview of evidence-based dentistry; not only what it is but also what it is not. The different levels of evidence were explained and what sources we can use to answer clinical questions in dentistry and medicine.

*"This was a really good meeting and I was so thrilled to be able to attend. Still talking about it today!"*

All presentations are available on our post-meeting website [www.southwestmeeting.com](http://www.southwestmeeting.com)



**Dr. Dan Beachler PhD: Oral HPV Infection and the Changing Epidemiology of HPV-Associated Head and Neck Cancer**

Dr. Beachler described an overview of the epidemiology of oral HPV infection and HPV-associated head and neck cancer. Recently published studies were discussed including those describing an increasing incidence of this cancer as well as manuscripts exploring the potential co-factors related to this infection induced cancer. Dr. Beachler also gave an overview of the upcoming Human Papilloma Virus and Oropharyngeal Cancer Pilot Study.

*"Loved all the programs today, very informative, loved learning about CATs"*

*Few study ideas generated from the Guitar and Confetti group will be introduced into our Southwest Newsletter using the CATs search engine*

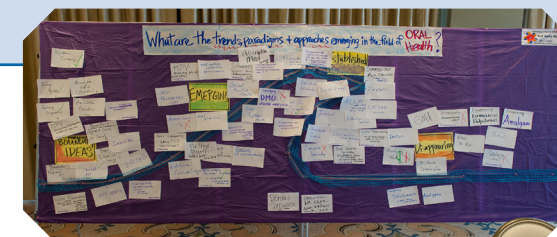
**Dr. John Rugh PDD: Disseminating Research Findings: The UT Dental School Critically Appraised Topics (CATs) Program**

Dr. Rugh provided an overview of the problems related to the dissemination of new research findings in the medical and dental practice setting. The use of Critically Appraised Topics (CATs), meta search engines and other internet technology skills to make evidence-based decisions about new products and procedures were reviewed.

**Breakout Session II**

*Dentists, hygienists and non-practicing members were divided into three separate groups for the second breakout session*

- Guitar Group:** Dentists-Study Idea Generation with ToPs Consensus Building workshop
- Confetti Group:** Dental Hygienists-Study Idea Generation with ToPs Consensus Building workshop
- Cactus Group:** Environmental Scan of Oral Health over the past 20 years using Wave Methodology





# ToPs Idea Generation



What research topics do dentists in our Southwest Region want to address over the next two years that truly enhance clinical practice?

## Guitar Room

Long Term Effects of Bleaching	Managing Patients with Special Needs	Best Practices in Implant Dentistry	Efficacy and Longevity of Dental Materials	Carries Diagnosis, Materials and Treatment	The Connection between Oral and Systemic Health	Diagnosis, Treatment & prevention of Occlusal Disorders	Caries Prevention and Risk Assessment	Best Practices in Perio Dentistry	Role of Microbe in the Dental Treatment Environment
Bleaching long-term effect on Enamel (over time study)	Oral Care for total disabled people in retirement facility	RCT vs Extraction & Implant	Comparative Provisional Cements – Efficiency (Polycarbonates vs Traditional with more Chair time)	Outcomes and Criteria for sealant vs plastic/seal vs preventative resin restorations	Prevention-smoke cessation, caries-soft drink, periodontal-chronic medical risk assessment	Occlusal Treatment modality	Prevention Risk Assessment	Treating perio with lasers	Water Line safety. What Works?
	Patient anxiety	Bone for Implants	Conventional PFM vs Other Alternatives	Longevity of Bonding of resins	Oral/systemic health	When & how to treat abreaction lesions	Bottled Water – What are the concerns? (No F <sub>2</sub> )	Does perio-protect work?	Rubber dam success rate of its usage on treatment
		Immediate placement and loading of implants	Tech with Impression Taking	Pulp capping, pulpotomy materials in immature teeth	What are the risks & benefits of using F <sub>2</sub> toothpaste in children under 3?	What is the best treatment for cervical sensitivity	How effective is flossing in really preventing CILL lesions?		
			Crown & Bridge Adhesives	Database caries progress vs risk relation	Bisphosphonates treatment or referral	CTS – Causes: Occlusion vs restorative size vs material failures			
				Most effective material/protocol for pulpal regeneration	Relationship of tooth loss to overall health	Causes of worn dentition			
				Ideal bonding agents?	What is DDS role in diagnosing non-dental head and neck pain?				
				Validity of caries detection devices vs dyes. Which most effective & cost effective	What % of DDS/RDH following ADA antibiotic guidelines, if not why?				

**Dentist Participants:** Michael Bates, Alisha Choucair, Shihab Diais, Mercedes Dominguez, Vincent Fontana, Jose Garcia, Cynthia Graves, Beatriz Hicks, Demetra Jones, Thomas Karr, Sherif Keriakes, Pamela McMahon, Carl Montesana, Lynn Otte, Fred Rabinowitz, Paul Reagan, Rebecca Schaffer, Ray Scott, Anthony Sharber, Martin Sobieraj, Stanley Wendt, Linda Winter

**Facilitator:** Stephanie Reyes



**Facilitator:** Sarah Theisen

**Dental Hygiene Participants:** Daryl Barkley, Katrina Butth, Monica Cate, Sherry Cline, Tammy Fisher, Betty Garner, Jennifer Greer, Hilda Guerrero, Becky Harris, Gale Jancsics, Diana Keffer, Shelli Lankford, Kimberly Lovell, Sherri Mangum, Doris Marchi, Shelley Mayfield, Janice McElhaney, Rahma Mungia, Pamela Myers, Sandra Pena, Stephanie Rowan, Laura Ut, Terry Vaughn

Access to Care Trends	Efficacy of Desensitizing agents	Efficacy of Sealants	Salivary Implications and Testing	Dental Conditions Related to Systemic Diseases	Evidence for Periodontal Care Decisions	Fluoride Implications at the Practice Level	Oral Effects of Substance Use	HPV & Oral Cancer Knowledge Base of DH & Dentist	Homeopathic Options
Would mid-level providers increase access to care (dental therapists)?	Measuring success of treatment options for hypersensitivity	Retention of sealants (time?)	Scientific research die/home care salivary stimulation high cambrà	Recognizing & referring patients with possible sleep apnea	Arestin abuse	Definitive study of effectiveness of fluorides (Brand to Brand)	Marijuana use T-cell immunity	Oral cancer diagnostics	Natural/pathic/antioxidant perio
Electronic dental records mining for diagnostic & tx trends		-Help/not hurting oral conditions?	Dry mouth study (effective tx options)	Medical/Social history affecting treatment options	Are we using antimicrobials to improve perio condition? Why/Why not?	Effectiveness of fluoride varnish vs gel/rinse	Effects of E-Cigs	HPV-16 cancer/younger patients	Probiotics tx for frequent caries
	Efficacy of Desensitizing agents	Sealants -What age best?	Saliva testing: BRCA 1 & 2 gene	Not on size fits all: recommendation s for all patients	Effectiveness of pre-rinse on bacteremia	Fluoride varnish vs gel/rinse	How to help meth abuse patients	HPV & oral cancer knowledge base of DH & DDS?	
			Is there a link between obesity and perio?	Behavior modification in the uncontrolled diabetic	Does irrigation help periodontal condition?	Knowledge of current fluoride usage			
			Types of saliva: type of calculus	Related to diabetes: acanthosis nigricans screenings	Are we using cavitrons before and after handscaling?	Safety/honest Research of fluoride			
				Severe bleeding with no indicators	Effective clinical management of implants				
				Causes of acid erosion (root surface decay)	When to refer 5mm pocket?				

# ToPs Idea Generation

What research topics seem uniquely appropriate and feasible for dental hygienists to examine in the PBRN setting? Confetti Room





# Wave Methodology

February 21, 2014

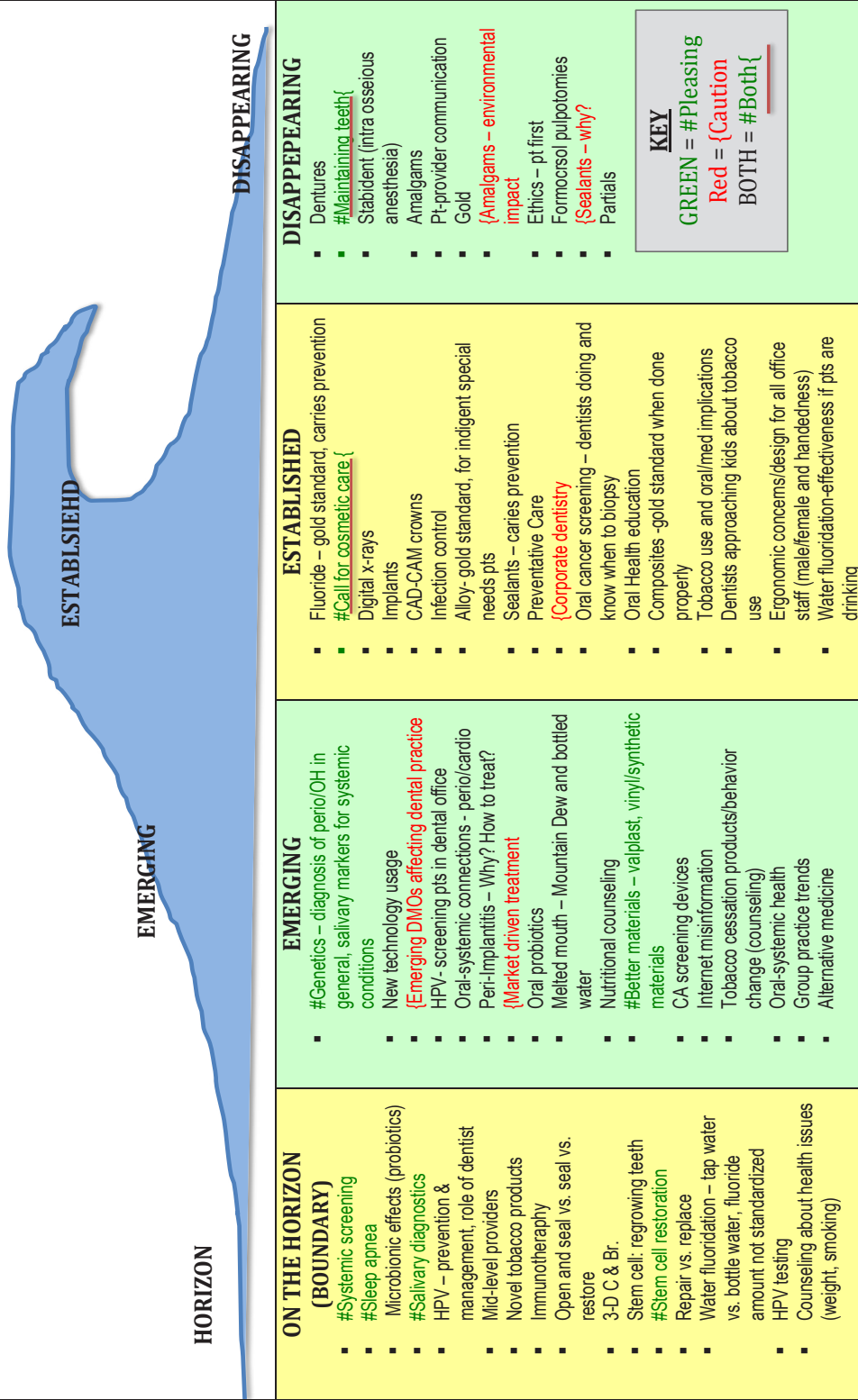


In the Field of Oral Health: Environmental Scan

What are the trends, paradigms, and approaches emerging in the field of oral health?



2nd Annual Southwest National Dental PBRN Meeting



## IMPLICATIONS

- We need to be **leading** the profession and improving patient outcomes
- The PBRN should study issues in the horizon and emerging categories
- Need to examine the effect of the Affordable Care Action on dentistry (workforce, mid-levels, patient outcomes, uninsured)

**Participants:** Peggy Alexander, Dan Beachler, Larry Bellinger, Paul Benjamin, Michele Bright, Sandy Burge, Claudia Cavazos, John Chandler, Terry Cook, Dena Fischer, Davis Gauntt, Gregg Gilbert, Iven Gonzalez, Celie Hardden, Lan Hoang, Melani Hull, Michael Hull, Alice Johnson, Deborah Klinkfus, Galin Latham, Michele Moreno, Thomas Oates, Wayne Parks, Spencer Redding, John Rugh, Vidya Sankar, Pilar Valderrama, Carol Willborn

Facilitated by: Holly Hayes  
hayesh@uthtscsa.edu

**KEY**  
GREEN = #Pleasing  
Red = {Caution  
BOTH = #Both{

# Breakout Session III

Two different sessions were conducted during the last breakout session of the day. Dentists were able to see which studies they would be able to participate in over the next few years and asked questions to a panel of dentists/office staff who were involved in previous dental PBRN studies. Hygienists created three research questions from ideas generated from Breakout Session II.

## Dentist Specific 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' decision-making processes surrounding SOCLs
  - *Full enrollees can participate*
  - *Status: Recruitment open, expected start date late 2014*
- 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, expected start date late 2014*



To see all the research studies occurring over the next few years, please see Dr. Gilbert's presentation on the post-meeting website: [www.southwestmeeting.com](http://www.southwestmeeting.com)

## Hygienist Research Questions

1. What method/type of in-office fluoride are you currently using? What is the efficacy of the method for hypersensitivity?
2. How often a sign or symptom noted during a hygiene appointment that would generate a referral for a medical consultation?
  - a. Focused on sleep apnea and erosion.
3. Would MLP increase access to care for underserved?

The three research questions generated by the hygienists will be handled by Rahma Mungia, Deputy Director of the Southwest Region. She will be contacting the hygienists involved to see if they would like to help further develop each question into a Study Concept.



**Going to the ADA National Meeting  
this year? Be sure to register of our  
session: Practice-Based Research:  
How Can It Help My Practice?**

October 9, 2014: 11:30am-2pm

Registration opens in May!

Course Code: 5385



*Want to help develop one of the  
ideas or suggest your own?  
Contact a Regional Coordinator  
today!*



**REGIONAL COORDINATORS**

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