

# ODA JOURNAL

The official publication of the Oklahoma Dental Association

**CE**  
**Special Edition!**  
**Treating Special**  
**Needs Patients**  
*pg.16*



# SMART SOLUTIONS FOR DENTAL PRACTICES

- Personal Lines of Credit
- Personal Financial Services
- Start-up Practice Financing
- Real Estate & Equipment Financing
- Practice Consulting Services
- SNB Digital Lockbox
- Cash Management Services



*Bank of Oklahoma City™*

*A Division of Stillwater National Bank*

6301 Waterford Blvd., Suite 101 • 8101 S. Walker Ave., Suite B

Since 1894 • 405.427.4000 • [www.banksnb.com](http://www.banksnb.com) • Member FDIC



EQUAL HOUSING LENDER

# TABLE OF CONTENTS

VOLUME 100/ISSUE 7 OCTOBER 2009



## 4 ODA Today

- 4 President's Message
- 5 Calendar of Events
- 6 ODA Spotlight
- 6 ODA New Dentist Seminar
- 7 Patient's Page -  
Bulimia and Your Teeth

- 8 ODA Legislative Loop
- 9 ODA Bulletin Board
- 10 2009 Student Fall Festival
- 11 2010 Oklahoma Mission of Mercy
- 12 2010 Awards Nomination Form
- 13 ODA Volunteer Participation Survey

## 14 Who & What

- 14 2010 ODA Annual Meeting CE Preview: Steven Perlman, DDS, MScD

## 16 Features

- 16 **CE ARTICLE:** Mega Numbers, Lobbying and Providing Care for Individuals with Autism
- 22 Native American Health Conditions: The Setting for Children and Adults with Disabilities
- 23 2010 Give Kids a Smile!®
- 26 Health Care From a Family Perspective
- 26 2009 Capitol Club Members



## 30 Classifieds

## 28 Clinical

- 28 Oral Pathology

# ADVERTISERS

### Inside Front Cover:

Stillwater National Bank

### Inside Back Cover:

ODA Endorsed Companies

### Back Cover:

Delta Dental

- 17 Alexander & Strunk
- 29 DELL
- 19 Med Tech Construction, Inc.
- 15 Office Max
- 20 Oklahoma Smiles
- 19 Paragon

- 27 Professional Practice Associates
- 10 Southwest Dental Conference



## Message from the President Dr. C. Rieger Wood

I am excited to report that things are rockin' at the ODA! At the last House of Delegates meeting we voted to do our first Mission of Mercy and there was also a resolution to address the rural

dentist workforce issues. At the Dental Leadership Summit in July, we worked on both topics and I am excited to report the results.

First, let me bring everyone up to speed on the Oklahoma Mission of Mercy (OkMOM). The Web site, [www.okmom.org](http://www.okmom.org), is now live and will be able to answer questions about the event. Volunteer registration opens on October 15th.

**However, I suggest you make your hotel reservations now!**

You can reserve a room through our Web site, make sure you put the code listed on the reservation form for our special rate. We have had a magnificent response from the Tulsa community in regards to corporate sponsors. The volunteer meals (which include breakfast, lunch and dinner) have all been secured, as well as the food for our patients.

The OSU and OU Medical Schools will be working in the triage area of the OkMOM. They also will be holding a mini health fair to conduct blood sugar screenings as well as other health screening tests at the event. This is the first time for the two schools to collaborate on an event in the Tulsa area. We are also going to be looking for OUCOD Alumni volunteers to help rally their classmates to come and treat patients. I need people from each class to contact other classmates and encourage them to attend. We will have the chairs arranged so that people will work alongside friends from their graduating class. We are also having a great response from the local churches. If you speak Spanish or have employees that speaks Spanish we need them! We will need between 50-60 Spanish-speaking people all day for both days. OUCOD students are also excited to work on the event and will be present. I understand that the Tulsa Community College Dental Hygiene School is going to cancel classes on Friday so their students can help. When it is all said and done we will have a combined volunteer need of 425 people all day each day! To say the least, things are firing up and we are moving fast. I hope you will develop the same enthusiasm as all the people working on the committee. The staff at the ODA is also working hard

and they are very excited. Delta Dental Charitable Foundation in conjunction with their advertising agency is developing the patient advertising campaign, which will come out in January.

The 2009 Dental Leadership Summit was a huge success! Attendees represented all aspects of dentistry from education to general practice. When discussing education, an emphasis was placed on the decline of practicing dentists in our rural communities. As a group, we learned most dental students tend to have their location decisions (regarding practicing in a rural community vs. metropolitan area) made by the end of their third year! The group discussed developing a rural dentistry program that would target first, second and third-year dental students and their spouses. The program would help students meet rural dentists (and their spouses) to learn more about the lifestyle and advantages of living in a rural community. Also discussed was the idea of developing a program for students who have just completed their first or second year to be hired by rural dentists to work in their offices. Each rural dentist will help coordinate finding a place for the student to live while working in the community for a 4-6 week period. The job opportunity would not only afford the student an income, but also foster a relationship with rural dentistry and quite possibly develop a long-term relationship with the rural dentist. I have appointed Dr. Doug Auld to oversee the development of these concepts. It is our goal to have a pilot program in place for next summer! The officers of the ODA realize the importance of the rural dental practice and its complexities, so we want to help our rural members on the workforce issues. Look for more detailed findings from the Dental Leadership Summit in the November *Journal*.

I want you to know what an honor it is serving as your President. We are all working hard to make sure your ODA is making a difference in Oklahoma.

After all, our future is our destiny!

## OFFICERS 2009-2010

### PRESIDENT

C. Rieger Wood, DDS

### PRESIDENT-ELECT

Tamara Berg, DDS

### VICE PRESIDENT

Doug Auld, DDS

### SECRETARY/TREASURER

Tim Fagan, DDS

### SPEAKER OF THE HOUSE

Stephen O. Glenn, DDS

### IMMEDIATE PAST PRESIDENT

Jandra Mayer-Ward, DDS

## JOURNAL STAFF

### EDITOR

Raymond Cohlma, DDS

### ADVISORY EDITOR

Frank Miranda, DDS

### ASSOCIATE EDITOR

David Shadid, DDS

### EXECUTIVE DIRECTOR

F. Lynn Means

### DIRECTOR OF COMMUNICATIONS

Stephanie Trougakos

## CORRESPONDENTS

### CENTRAL DISTRICT

Larry Lavelett, DDS

### EASTERN DISTRICT

Don Logue, DDS

### NORTHERN DISTRICT

Mark Folks, DDS

### NORTHWEST DISTRICT

Carrie Chastain, DDS

### OKLAHOMA COUNTY

Matt Cohlma, DDS

### SOUTH CENTRAL DISTRICT

William Beeson, DDS

### SOUTH WEST DISTRICT

Nathan Talley, DDS

### TULSA COUNTY

William "Bernie" Wynn, IV, DDS

## ADMINISTRATIVE STAFF

### EXECUTIVE DIRECTOR

F. Lynn Means

### DIRECTOR OF GOVERNANCE & FINANCE

Shelly Frantz

### DIRECTOR OF COMMUNICATIONS

Stephanie Trougakos

### DIRECTOR OF MEMBERSHIP & IT

Angela Little

### MEMBERSHIP SERVICES MANAGER

Jerrell Welch

### OPERATIONS MANAGER

John Bobb-Semple

### COMMUNICATIONS ASSISTANT

Kim Loving-Proby

# Calendar of Events

## November 2009

### 3rd

– TCDS Executive Committee Meeting: Tiamo's Restaurant, 6:00 PM

### 6th

- C.O.R.D. Meeting: ODA, 11:00 AM
- ODA Chili Cookoff: ODA, 12:00 PM
- ODA Board of Trustees Meeting: ODA, 1:30 PM
- TCDS All-Day Meeting: Tulsa Renaissance Hotel

### 10th

– TCDS Evening Meeting: Tiamo's Restaurant, 5:30 PM

### 12th

– OCDS General Assembly

### 13th

- OkMOM Planning Committee Meeting: ODA, 9:00 AM
- ODA Council on Dental Education & Public Information Meeting: ODA, 1:00 PM
- OCDS CE Meeting: Castle Falls, Dr. Tom McGarry

### 16th

– Retired Dentists Lunch: ODA, 11:30 AM

### 26th

– ODA Offices Closed

### 27th

– ODA Offices Closed

## December 2009

### 3rd

– TCDS Holiday Party: Meadowbrook, 6:00 PM

### 21st

– Retired Dentists Lunch: ODA, 11:30 AM

### 24th

– ODA Offices Closed

### 25th

– ODA Offices Closed

### 31st

– ODA Offices Closed

THE OKLAHOMA DENTAL ASSOCIATION JOURNAL (ISSN 0164-9442) is published ten times per year by the Oklahoma Dental Association, 317 NE 13th Street, Oklahoma City, OK 73104, (405)848-8873. Annual subscription rate of \$8 for ODA members is included in their annual membership dues. Rates for non-members are \$40. Single copy rate is \$8, payable in advance. Periodical postage paid at Oklahoma City, OK POSTMASTER: Send address changes to OKLAHOMA DENTAL ASSOCIATION JOURNAL, 317 NE 13th Street, Oklahoma City, OK 73104. Opinions and statements expressed in the OKLAHOMA DENTAL ASSOCIATION JOURNAL are those of the author and are not necessarily those of the Oklahoma Dental Association. Neither the Editors nor the Oklahoma Dental Association are in any way responsible for the articles or views published in the OKLAHOMA DENTAL ASSOCIATION JOURNAL.



MEMBER PUBLICATION  
AMERICAN ASSOCIATION  
OF DENTAL EDITORS

# SPOTLIGHT

Featuring an **ODA-endorsed** company each issue

For more information on ODA's endorsed companies please call the ODA at 405-848-8873 or 800-876-8890 or visit [www.okda.org](http://www.okda.org)

## Pitney Bowes Small Office Series™

### Pitney Bowes – ODA's Endorsed Postage Meter

Receive a 90-day free trial of the Pitney Bowes mailstation™ 2 digital mailing system and \$50 in free postage coupons. Save money with an integrated scale that automatically calculates and sets the exact amount of postage you need. Never overpay for postage again! Visit [www.pbmailstation.com/ada](http://www.pbmailstation.com/ada) or call 1-866-5Pitney, Ext. 4071 and refer to order number 999990089.

\*Any unused postage will be refunded by the U.S. Postal Service®. An initial \$30 postage deposit is required, plus \$9.99 shipping and handling. The shipping and handling fee will be refunded if you decide to return the meter during the trial period. Offer for new customers only. Cannot be combined with any other offer.



presents the  
**New Dentist Seminar**

**Medical Emergencies  
in the Dental Office -  
What Situations  
Warrant the Status  
"Emergency"?**  
presented by Dr. J. Mel Hawkins

Partially sponsored by the following  
ODA-endorsed companies:



**Friday, October 23, 2009**

**8:30 AM - 4:30 PM**

\*Lunch included\*



**Oklahoma Dental Association**

317 NE 13th Street  
Oklahoma City, OK 73104  
(405) 848-8873  
(800) 876-8890

**Register by October 15, 2009!**

#### Registration:

ODA Member Dentist:	\$89
Non-ODA Member Dentist:	\$134
Student:	\$12

To register, call / email Jerrell at the ODA:  
(800) 876-8890 / [jwelch@okda.org](mailto:jwelch@okda.org)



*New Dentist Seminar*

# ODA PATIENT'S PAGE

This message brought to you by your dentist - a proud member of the Oklahoma Dental Association

## Bulimia and Your Teeth

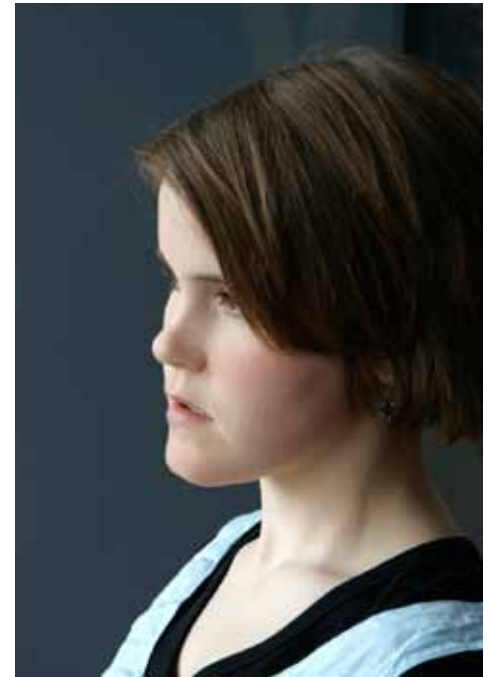
Given time, eating disorders like bulimia may lead to serious dental problems. Repeated vomiting can result in loss of tooth enamel, tooth decay, and gum disease. After frequent exposure to gastric acid, teeth become rounded and soft as enamel is eaten away, and fillings may stick out above the gum line. Loss of enamel and unconscious grinding of the teeth, usually during sleep, are the two most common causes of tooth loss.

The recurring vomiting of bulimia produces a distinctive erosion pattern that acts like a signature in a person's mouth. There is no other erosion pattern quite like it. Dentists can tell if the bulimia is a relatively new or chronic condition by the amount of damage done. There is no way to stop the hydrochloric acid from the stomach stripping the teeth of protective enamel and exposing the dentin underneath. The result is a long list of symptoms and conditions that can include:

- Cavities
- Enamel Erosion
- Gum soreness, pain, and inflammation
- Dry mouth
- Chronic sore throat
- Inflammation of the esophagus
- Hemorrhaging palates (caused by tiny blood vessels on the roof of the mouth bursting open during purging)
- Dramatically reduced saliva production
- Difficulty in swallowing
- Dislocations of the lower jaw and temporomandibular joint (where the lower jaw hinges with the rest of the skull)

To reduce the chances of enamel erosion and gum disease for those who have not yet been able to completely stop vomiting make sure to brush daily with fluoridated toothpaste after each meal, followed by flossing.

Some dentists recommend using a fluoride mouthwash or fluoride applications to help repair tooth damage. If tooth enamel has already eroded, another option is to have your teeth restored with resins or crowns because the inner portion of the tooth, also called the dentin, is especially vulnerable to acid erosion. Finally, if you are uncomfortable talking to the dentist about your concerns, it may be easier to speak privately with the dental hygienist first.



The recurring vomiting of bulimia produces a distinctive erosion pattern that acts like a signature in a person's mouth.

## LEGISLATIVE LOOP

## October Legislative Update

A BIG THANK YOU to our DENPAC members!

Your contributions help support dentistry-friendly legislators on the state and national level.

Aber, Sue B	Cobble, Jan L	Hall, Kent C	Ledbetter, Leslie	Phillips, John III	Susman, Marc L
Adair, Robert G	Coerver, Brian D	Hansen, Michael C	Lee, Jason M	Plant, Raymond	Sutherland, Edwin E II
Ahlert, Jeffrey J	Cohlmlia, Matthew	Hanstein, Mark	Leemaster, Larry D	Pottorff, Adam L	Switzer, Monica D
Ahrend, Melinda L	Cohlmlia, Raymond A	Hardy Jr, Leslie B	Lembke, Grady L	Powell, Phillip	Taylor, Jim O
Allen, Harold E	Cohlmlia, Ray Sr	Hargett, Neslihan K	Leseberg, Dennis A	Powell, Steven E	Taylor, John E
Allison, Errol J	Collins, Yvonne	Harman, Aaron S	Leverich, Ronnie G	Power, Philip J	Templeton IV, Christopher
Anderson, Gerald B	Colombin, Jack B	Harrington, W S	Levinson, Marti L	Price, Dana B	Thomas, Jonathon
Ariana, James M	Conkling, Leon A	Hart, Ronald J	Lim, Heng L	Pruett, Geoffrey A	Thomas, Dirk S
Ariana, Jamie M	Corwin, Debbie A	Haskins, Donald W	Litteken, Gene	Reeder, Bruce K	Thomas, Paul E
Ashmore, Glenn A	Corwin, James O	Haught, Richard	Little, Brookes F	Reeves, William G	Thomas, John A
Ashmore, Glenn C	Coury, Ameal S	Heim, Vernon M	Littlefield, Cloyce W Jr	Reid, Janet M	Thornbrough, Roy L
Augsburger, Robert A	Cowden, Lester L III	Henderson, Gary S	Livingston, Robert J	Reid, Chad M	Todd, Dean O
Auld, Douglas	Craig, Robi L	Henderson, Robin D	Lockard, John T	Reiter, David	Torchia, James S.
Barresi, Janet C	Dandajena, Tarisai C	Hendrick, Janet	Loper, Eric	Reneau, J R	Trammell, Vic H
Battle, John B	Danner, J Russell	Henry, Janice R	Lott, Gary G	Revels, Stacy L	Tucker, Charles R
Baumann, Robert E	Davis, Walter E	Henry, Blake R	LoVette, Lori M	Richardson, Jimmy J	Utecht, Robert
Beasley, William L	Deason, David E	Henshaw III, Aubrey	Low, Pamela G	Rigdon, Terry F	Van Dyck, Larry
Beaver, Brandon E	Deem, Steven E	Herman, Robert J	Lowe, James B	Riggs, L D	Vanbuskirk, Paula
Beddoe, Ray A	DeHart, Kathy L	Hermen, Jeffrey	Lucas, Fred R Jr	Riggs, Celeste C	Vandiver, Jonah R
Benson, Jerry K	Deprater, William	Herndon, James	Lutz, James	Riggs, Michael L	Vaughn, Ronald D
Berg, Tamara	Dew, Robert M	Hetrick, Clinton	Lyle, R R Jr	Ring, Philip N	Ven, Randall E
Black, Wesley N	Doan, Thai-An	Hiatt, William G	MacRobert, James A	Roane, James B	Villines, Nathan C
Blythe, Fred B	Dorough, Bryce	Hickman, French E	Maddox, David L	Roberts, Erin K	Wallis, Dennis L
Booker Bostick, Gina C	Dubberstein, Neill	Hill, R D	Marks, David O	Robertson, J D	Ward, James R
Bowman, Curtis J	Duffy, Kevin C	Hill, Jeffrey C	Martin, Dana J	Rockwood, Douglas P	Ward, Christopher K
Brackett, Ryan L	Duong, Nha T	Hilton, Myron S	Massad, Joseph J	Rouse, Brant	Warlick, Daniel A
Braumiller Jr, Allen S	Edwards, Benjamin F	Hogg, Steven W	Massaro, Mark E	Ruleford, Miranda	Warn, Brett
Breece, Gary	Emerson, Clinton W	Holden, Lori C	Mauldin, Alan K	Schick, Robert D	Waugh, W S
Breland, Michael S	Emerson, Melanie D	Homsey, Richard S	Mayer-Ward, Jandra	Schoonmaker, Devin P	Webb, Robert P III
Brewer, Gary T	Engelbrecht, Michael	Hoooper, Clifford B	Mayer, Stephen	Schreiner, Terry J	Weems, Mark W
Bridges, George III	Farmer, Barry J	Hoopes, Brad	McAneer, Garrick O	Schuessler, Scott A	Wells, Robert H
Bridges, George I	Farrow, Melissa L	Hopkins, Terry W	McConnell, Kesa	Segnar, Randall R	Wells, Robert C
Bridges, C T	Finnell, Jerry B	Horn, Bruce D	McCormick, Eugene W	Sellers, Floyd T	Wendt, Stephanie K
Brooks, Perry L	Fisher, Gary W	Hosier, Michael	McDougall, Hugh	Serfoss, Kyle	West, James L
Brooks, Tim J	Fitzgerald, Jay P	Hunter, Nicholas S	McIntire, Tracy E	Sessom, Carrie D	White, Mori K
Brown, Nathan K	Flanagan, Eugene F	Hutchens, Carroll T	McIntosh, Stanley P	Sessom, Wade	White, Steven V
Bryant, Gary	Foerster Wendelken, Lara	Hutchens, Jay L	McKamie, J A	Shadid, Paul A	White, Teri D
Bryant, Roger L	Folks, John M	James, Larry F	McNatt, Kyle W	Shadid, Nanay L	White, Robin E
Buchanan, Stephen	Fooshee, Steven	Janitz, Roger E	Mead, Glenn A	Shadid, Scot R	Whiteneck, Susan
Burchard, William B	Freeman, Richard M	Johnson, Sidney	Meador, Joseph M	Shanbour, Greg	Wilcox, Christopher M
Burton, Bonnie L	Fuchs, Cathy	Johnson, Donald T	Melton, Robert H	Shannon, Kyle R	Wilguss, Daniel J
Bussman, George C	Fuchs, Danny	Jones, Krista M	Miller, Brent	Sheets, John J	Willcox, V R
Cannon, Patricia	Galier, Donna A	Jones, Mathew L	Miller, David L	Sherwani, Palwasha N	Williams, Thomas H
Cara, Wuse H	Gallagher-Reed, Karen	Kapple, Fred A	Montgomery, Patrick R	Shivers, Rodney E	Winder, Ronald L
Carbone, Keefe E	Garetson, Paul	Karami, Mohammad	Montgomery, Andrea	Simon, Floyd Jr	Wood, John C
Carmen, Bobby J	Garner, Kenneth W	Kasting, Dale	Montgomery, Ronald K	Sjulin, John L	Woods, Patrick A
Carper, Chasity A	Garrison, Chad	Keim, Matthew	Moore, Kyle R	Smart, Erin M	Worthen, Tamara B
Carruth, William L	Gibson, Kurt A	Kendrick, Steven M	Moore, Timothy E	Smith, M K	Wyatt, Kent H
Casey, Mary K	Gilbert, Thomas H	Keso, Larson R	Morehart, Dennis P	Smith, Lindsay	Wyatt, Wayne N
Casler Jr, Conrad C	Gilliam, James D	Kincaid, Michael	Morford, Robert B III	Smith, Twana F	Wynn, William B IV
Cha, Jerome Y	Gladd, Bill	Klontz, Herbert A Jr	Morgan, Michael L	Smith, Curtis	
Chang, Bill P	Glenn, Stephen O	Koop, Gene M	Morrison, Jack T	Smith, Gary H	
Chang, Euna K	Goodman, Mark W	Kramer, Mitchell W	Murtaugh, James N	Sparks, Donna	
Chastain, Stephen A	Graves, Ronald L	Kruska, Jay L	Nelson, Jeffrey R	Sparks, James A	
Cheatham, Bobby D	Greer, Jerry L	Lamb, Robert M	Nelson, Rodney	Steffen, J M	
Cheek-Covey, Tennille L	Gregg, Steve W	Lander, Larry D	Norton, Fred E	Steyer, James G Jr	
Clark, James L	Grimes, Lisa R	Lanman, Ashley N	NyQuist, Bill	Storm, B D	
Clayton, Mary N	Guthrie, Andrew C	Lavelett, Larry J	Oister, Jana K	Stover, Patrick P	
Clement, Richard A	Hacker, Stefan S	Laverdiere, Raymond	Owens, James F	Strand, James M	
Cobb, Kristi E	Hackler, James W	Layton, Kevin L	Patel, Anand N	Sullivan, Jackson L	

# SAVE THE DATE

## Dentist Day at the Capitol

3.3.2010

More info to come.

bulletin  
board

### Looking for fans... Looking for followers...

Facebook: Oklahoma Dental Association  
Twitter: OklaDentalAssoc

### EMAIL! EMAIL!

In an effort to reduce operational costs, the ODA is making a concerted effort to communicate with the membership electronically. Because electronic communication is much more timely and cost-effective, please notify the ODA with your E-mail address.



November 6, 2009,  
at the ODA Building,  
12:00 - 'til it's gone!

Five Alarm - White Bean - Vegetarian

You name it, we'll have it.  
For \$20, enjoy a bottomless  
bowl of chili and fixin's.

All proceeds will benefit the  
Oklahoma Dental Foundation.

Board Members, come early for your  
meeting and chow down with us!

#### Gordon Christensen:

On Friday, January 29, 2010, Tulsa County  
Dental Society will host Dr. Gordon  
Christensen for an all-day CE course.  
Don't miss it! Contact Rhonda at  
918-451-1017 for more information.

### DIRECTLY FROM THE ADA: RED FLAGS RULE SUSPENDED UNTIL NOVEMBER 1, 2009

The Federal Trade Commission announced another Red Flags enforcement delay to November 1st "to assist small businesses" in understanding the regulation.

In a posted announcement at [www.ftc.gov](http://www.ftc.gov), the commission said it will create a special Web link with materials offering "guidance and direction" for "small and low-risk entities", including dentists and physicians, who have questioned FTC's application of the Red Flags identity theft rules to their practices.

The ADA helped introduce legislation to exempt health care practices with 20 or fewer employees from the regulation.

### TRACKING POLITICAL CONTRIBUTIONS

By Dr. Krista Jones, DENPAC Board Member

Many ODA members join DENPAC, but also make personal contributions to candidates' campaigns over and above their DENPAC contributions. Tracking this information gives us the clout we need to ask dentistry-friendly legislators to support pro-dentistry legislation, or to vote against legislation that is potentially harmful to our practices, our profession, and our patients.

Most political contributions are from my personal checkbook instead of my corporation. A way of tracking that works for me is, at the end of the year when I am going through my personal checkbook for my charitable contributions for tax purposes, I have another column that I have created for political contributions. This includes the name of the candidate and the amount contributed to that particular campaign for the past twelve months. These, of course, are not tax-deductible

contributions. I then send the list to the ODA and they keep a detailed record of those campaigns to which I've contributed. We all know legislators are much more inclined to listen to you if you live in their district; but chances are they actually recognize your name if you've given them a check!

This is just an easy way for our Association to know to whom our members are giving in legislative, congressional, mayoral, governor, city council, and presidential races. Our Association members are active in government and that is a great thing, but it is also a great thing to know how much and to whom we are making political contributions. Our strength is in our numbers, and our numbers are bigger and stronger when armed with accurate information!

Contact [lmeans@okda.org](mailto:lmeans@okda.org) for more information.



# 2009 Student Fall Festival

The 11th annual ODA Fall Festival Back-to-School Picnic for the OUCOD dental students was held August 25, 2009. Everyone enjoyed great barbecue and beverages, music, and a moon walk for the kiddos. Dr. Lindsay Smith, Chair of the ODA Council on Membership and Membership Services, presented door prizes donated by members of the Council. The event is a fun and entertaining way for the ODA officers and staff to get to know the future leaders of the Association. It is also a great opportunity to introduce the students to organized dentistry.

Others in attendance included Dr. Rieger Wood, ODA President, Dr. Tamara Berg, ODA President-elect, Dr. Steve Young, Dean of the OUCOD, and Dr. John Taylor, member of the ODA Council on Membership and Membership Services. The ODA paid half of the 2009-2010 ASDA dues for all those students who joined that evening. The ODA would like to thank the Oklahoma Dental Foundation for the music, as well as ASDA president, Layla Chafi, and our event sponsor, Stillwater National Bank. We hope to see you all next year!

January 21-23, 2010 ★ Dallas Convention Center ★ Dallas, Texas

## Southwest Dental Conference



SPONSORED BY THE  
Dallas County Dental Society  
[www.swdentalconf.org](http://www.swdentalconf.org)

*Oklahoma Dental Association is a regional partner of the SWDC.*

a perfect opportunity to pay it forward...what an amazing event...it was an experience you will never forget...my life story changed because of this mission...a perfect opportunity to pay it forward...what an amazing event...it was an experience you will never forget...my life story changed because of MOM...a perfect opportunity to pay it forward...what an amazing event...it was an experience you will never forget...my life story changed because of MOM...



The Oklahoma Dental Association and the Delta Dental of Oklahoma Charitable Foundation are proud to launch the first annual Oklahoma Mission of Mercy (OkMOM), scheduled for February 4-7, 2010, at the Tulsa Convention Center. Treatment is scheduled for February 5-6.

Two days of absolutely free dental care to the first 1,000 children and adults each day. OkMOM will be a 90-chair, fully functional dental facility which will require over 1,000 volunteers to be successful.

## WE NEED YOUR HELP! MARK YOUR CALENDAR!

### How do I sign up?

Go to [www.okmom.org](http://www.okmom.org) to sign up.

**Volunteer registration now open!!**

### Do I have to be a dental professional to volunteer?

No!! We need volunteers for many different roles.

### When would you need me?

We'll need volunteers February 4th, 5th, and 6th. Several shifts are available each day. Please visit [www.okmom.org](http://www.okmom.org) for available shifts.



**Oklahoma Dental Association**  
**2010 AWARDS NOMINATION FORM**  
**DEADLINE FOR NOMINATIONS IS DECEMBER 31, 2009.**

**NOMINEE INFORMATION** (please print clearly or type)

Name: \_\_\_\_\_ Award Nomination for:  
\_\_\_\_\_ Dentist of the Year  
Current Address: \_\_\_\_\_ \_\_\_\_\_ Young Dentist of the Year  
\_\_\_\_\_ Thomas Jefferson (Citizenship)  
City: \_\_\_\_\_ \_\_\_\_\_ Robert K. Wynne (Public Info)  
\_\_\_\_\_ Dan E. Brannin (Professionalism)  
State: \_\_\_\_\_ Zip: \_\_\_\_\_ \_\_\_\_\_ Richard T. Oliver (Legislative)

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ ODA Member Since: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Email: \_\_\_\_\_

**NOMINATED BY**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_ Fax: \_\_\_\_\_

**NATIONAL, STATE &/or LOCAL POSITIONS HELD**

Organization/offices held: (please use additional pages as necessary)	Year
_____	_____
_____	_____
_____	_____
_____	_____

List all dental-related work experience in chronological order with dates: (please use additional pages as necessary)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*Please attach letters of recommendation, references and other documentation as necessary.*

Submitted by: \_\_\_\_\_ Signature: \_\_\_\_\_

**DEADLINE FOR NOMINATIONS IS DECEMBER 31, 2009.**

Please use a separate form for each award nomination. Photo copies of this original form will be accepted. A letter of nomination must accompany each nomination describing the nominee's accomplishments and other contributions.

**Submit to:** Oklahoma Dental Association, Attention: Member Awards, 317 NE 13th Street, Oklahoma City, OK 73104

## Volunteer Participation Survey

Are you interested in serving on an ODA Council or Committee? Do you want to become active in the Board of Trustees or House of Delegates? Let us know!

Print Name: \_\_\_\_\_

Component (District) Dental Society: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Select the area(s) in which you are interested in serving:

- Budget and Finance
- Bylaws and Rules
- Dental Care
- OHCA and DHS
- Dental Education and Public Information
- Governmental Affairs
- Membership and Membership Services
- Insurance
- New Dentist Committee
- Technology and Electronic Communications
- Annual Meeting Planning Committee
- Oklahoma Mission of Mercy (OkMOM) Planning Committee
- Endorsed Products and Services Committee
- Board of Trustees
- House of Delegates
- DENPAC Board of Trustees
- Component (District) Office

Please return this form to:  
Oklahoma Dental Association  
317 NE 13<sup>th</sup> Street  
Oklahoma City, OK 73104  
800-876-8890  
405-848-8875 (fax)  
[sfrantz@okda.org](mailto:sfrantz@okda.org)



# 2010 ODA Annual Meeting

## CE Preview: Steven Perlman, DDS, MScD



Dr. Steven Perlman is an Associate Clinical Professor of Pediatric Dentistry at The Boston University Goldman School of Dental Medicine. For the past 32 years, he has devoted much of his private practice as well as his teaching, to the treatment of children and adults

with physical and intellectual disabilities. Dr. Perlman is a past president of the Academy of Dentistry for Persons with Disabilities, and a Diplomate of the American Board of Special Care Dentistry. He is the recipient of the Harold Berk Award from the Academy of Dentistry for Persons with Disabilities and the Manny Album Award from the American Academy of Pediatric Dentistry. Both awards are the highest honors of those organizations recognizing lifetime achievement in the care of people with disabilities. In 1993, Dr. Perlman founded Special Olympics Special Smiles, an oral health initiative for the athletes of Special Olympics International. It now has over 150 special events each year, taking place in every state in the United States and in over 40 countries. Dr. Perlman is a cofounder of the American Academy of Developmental Medicine and Dentistry and has served as an advisor to the President's Committee for Persons with Intellectual Disabilities. In 2008, in Shanghai, China, Special Olympics honored Dr. Perlman with a special Lifetime Global Leadership Award in promoting human dignity.

### Dental Care for People with Special Needs

**Three (3) Hours of CE Available**

Saturday, April 24, 2010

9:00 am – 12:00 am

Lecture format

Recommended for the entire dental team!

This presentation will include a thorough review of how to provide comprehensive dental care for children and adults with health care needs. From infancy to geriatrics, the oral and systemic health problems that people with disabilities face will be discussed. Much time will be spent providing the dental professional with the knowledge and skills on how to treat difficult patients that may present with behavioral or physical problems that may influence treatment. Barriers to care are significant for this population but techniques and philosophies will be presented to enable the clinician to provide quality care.

**See more from  
Dr. Perlman on  
page 16 & 22!**



take the cost out  
of working in  
**style.**

**OFFICEMAX® PARTNER ADVANTAGE —  
A BEAUTIFUL WAY TO SAVE.**

Oklahoma Dental Association and OfficeMax are pleased to offer you generous savings and access to over 12,000 products through the Instant Purchasing Account (IPA). Your IPA account provides savings on office supplies, technology, furniture and environmentally preferable products and services. Tap into the OfficeMax Partner Advantage Program with your Oklahoma Dental Association login and password, and watch the savings mount up!



**MEMBERS ENJOY  
DISCOUNTS FROM**

**20%–70%**

- › All orders are taxed
- › Orders can be shipped to a residence
- › No order charge for orders over \$50. There is a small order charge for orders under \$50

The IPA online features requires a credit or debit card for payment of the order and the address information for the shipment of the order.

Visit [officemaxsolutions.com](http://officemaxsolutions.com) and enter your login and your password.

**Login: 0675406  
Password: omax1**

## Mega Numbers, Lobbying and Providing Care for Individuals with Autism

H. Barry Waldman, DDS, MPH, PhD, Distinguished Teaching Professor,  
Department of General Dentistry, Stony Brook University, NY  
e-mail: hwaldman@notes.cc.sunysb.edu

Steven P. Perlman, DDS, MScD  
Global Clinical Director, Special Olympics, Special Smiles  
Clinical Professor of Pediatric Dentistry  
The Boston University Goldman School of Dental Medicine  
Private pediatric dentistry practice – Lynn, MA

### Abstract

Lobbying is a competitive effort directed to reaching legislators who are attempting to balance the demands of individuals, organized groups, political parties, and the complex economic realities of our times. Unfortunately, the use of all-inclusive “mega numbers” (whether it is the millions of individuals with disabilities or the billions of dollars for needed services) is difficult for any person to place in proper perspective. As a result, the estimated 1.5 million children and adults with autism spectrum disorders and their families in the United States become just “numbers” – not actual people. The need is to somehow personalize these numbers if we are to bring increased attention to these individuals with special needs. Centers for Disease Control and Prevention and private research foundation data are used to illustrate an approach to better personalize the information for individual politicians and health practitioners.

*“Our minds can’t cope with the large distances that astronomy deals in... Our minds can’t imagine a time span as long as a million years, let alone the thousands of millions of years that geologists routinely compute”<sup>(1)</sup>*

*“Autism is a national health crisis, costing the U.S. at least \$35 billion annually.”<sup>(2)</sup>*

Unfortunately, the use of all inclusive “mega numbers” (whether it is billions of dollars for needed services, the annual carnage of tens of thousands killed in automobile accidents, or the thousands of children brought to emergency rooms as a result of playground accidents) is difficult for any person to place in proper perspective. We tend to generalize and smother such numbers, unable to comprehend the impact of these costs, and the particular conditions and events on individuals and their families. And so the fact that there are an estimated 1.5 million children and adults with autism spectrum disabilities becomes just “numbers” – not actual people.<sup>(2)</sup> The need is to somehow “personalize” these numbers if we are to bring increased attention to these individuals with special needs.

### What is autism?

Autism is one of a group of disorders known as autism spectrum disorders (ASDs). ASDs are developmental disabilities that cause substantial impairments in social interaction and communication, and the presence of unusual behaviors and interests. Many people with ASDs also have atypical ways of learning, paying attention, and reacting to different sensations. The thinking and learning abilities of

people with ASDs may vary – from gifted to severely challenged. An autism spectrum disorder begins before the age of three and lasts throughout a person’s life.<sup>(3)</sup> (See Autism Fact Sheet issued by the National Institute of Neurological Disorder and Stroke for additional details on ASDs.<sup>(4)</sup>)

ASDs include autistic disorder, pervasive developmental disorder – not otherwise specified, and Asperger syndrome. These conditions all have some of the same symptoms, but they differ in terms of when the symptoms start, how severe they are, and the exact nature of the symptoms.<sup>(3)</sup>

**Who is affected?** ASDs occur in all racial, ethnic, and socioeconomic groups and are four times more likely to occur in boys than girls. “CDC...released data in 2007 that found about 1 in 150 eight-year-old children in multiple areas of the United States had an ASD.”<sup>(3)</sup>

**Is autism a new disorder?** “Autism may seem like a modern disorder, but it’s not. People have probably lived with what we know today as autism spectrum disorders throughout history.”<sup>(3)</sup>

**What causes autism?** “...we still don’t know a lot about the causes of ASDs. Scientists think that both genes and the environment play a role, and there might be many causes that lead to ASDs.”<sup>(3)</sup> Studies have shown that among identical twins, if one child has autism then the other will be affected about 75% of the time. Parents who have a child with an ASD have a 2% - 8% chance of having a second child who is also affected.<sup>(3)</sup>

**Is there a link between autism and vaccines?** “There is no conclusive scientific evidence that any vaccine or combination of vaccines (i.e. measles-mumps-rubella [MMR]) causes autism...There is also no proof that any material used to make or preserve the vaccine plays a role in causing autism”<sup>(5)</sup> “The doctor behind (the) controversial study linking children’s vaccines to autism went before a (British) investigative panel probing misconduct allegations...”<sup>(6)</sup> Nevertheless, the controversy regarding the combined MMR inoculation continues.<sup>(7)</sup>

**Annual economic costs.** The economic costs are primarily the additional cost of education, medical expenses, and caring for children and adults with autism. This economic cost is a huge burden to parents and society. For example, the annual cost of education for a typical child is around \$10,000, while the annual cost of education of a child with autism is estimated at \$40,000. Typically a child with autism requires specialized medical treatment, which is an additional expense. Some parents report spending \$65,000 per year.<sup>(8)</sup>

**How is autism treated?** “There is no cure for autism.”<sup>(4)</sup> Therapies and behavioral interventions are designed to remedy specific symptoms and bring about improvement. These include:

- > Educational behavioral interventions: Structured intensive skill-oriented training sessions to help children develop social and language skills. Family counseling for parents and siblings often helps families to cope with the particular challenges of living with an autistic child.
- > Antidepressant medication to handle symptoms of anxiety, depression, or obsessive-compulsive disorders. Anti-psychotic medications are used to treat severe behavioral problems.

*continued on page 18*

HELLO

my name is

Human Resource Director  
John Doe, ~~DAS~~

As a small business owner, you know just how little your education prepared you for the additional roles you must perform to keep your business running. Why do we remind you of this? We are a small business too and offer all small business owners (A.K.A. Human Resource Directors) two pieces of advice to reduce H.R. related liabilities.

**Use an employee manual consistently among ALL employees  
&  
Carry Employment Practices Liability Insurance**

When you purchase an Employment Practices Liability Insurance Policy through A&S, we can help you with your employee manual. Give us a call if you don't have an employee manual OR it does not have:

- × At-will Statement
- × Sexual Harassment Policy
- × Discrimination Policy
- × Gross Misconduct Policy

*Standing for the good of your practice.*



**ALEXANDER & STRUNK**

*Insurance Professionals* [www.strunkinsurance.com](http://www.strunkinsurance.com)

1.800.375.8356 / 1.405.751.8356

Anticonvulsants are used for seizures, and stimulant drugs (such as those used for children with attention deficit disorder) have been used to help decrease impulse and hyper activities. <sup>(4)</sup>

## Personalizing Mega Numbers

If “all politics is local,” as Tip O’Neill, former Speaker of the House of Representatives, frequently intoned, then somehow the stream of “mega numbers” must be presented in such a manner that would be most understood – in particular by politicians (and health care providers). Rather than discussing incomprehensible numbers of individuals with autism and their needed services that range in tens of billions of dollars, the members of Congress and the health professions need to be lobbied with particular information about the constituents in their states and, if possible, in their respective communities. (President Ulysses S. Grant escaped the pressure of the presidency with a brandy and a cigar at the Willard Hotel in Washington, where many would-be power brokers approached him in the hotel lobby. Grant called these people “Lobbyists.”) To this end, data from StateMaster, a statistical database which compiles information from various primary sources such as the US Census Bureau, the FBI, and the National Center for Educational Statistics, were used to present available information at the state level, which should be more meaningful for politicians and health providers <sup>(9)</sup>

## State Level

**Numbers:** The total number of children (3-22 years of age) with autism spectrum disorders (ASDs) in a state is, to a great extent, a reflection of the variation in state populations. As of 2003, there were almost 25,000 youngsters with ASDs in California, almost 12,000 in Texas, and approximately 9,500 in New York. In addition there were between 5,000 and more than 7,000 children with ASDs in nine states, plus between 1,000 and more than 4,000 children with ASDs in 21 states. (Table 1)

**Per capita:** The marked differences in the proportion of youngsters with ASDs in the different states can be particularly important when attempting to 1) “lobby” individual politicians regarding their constituents, and 2) reaching health professionals concerning the needs of residents in their communities. For example, the proportion of children with ASDs in Oregon and Minnesota is about 4-5 times greater than the proportions in West Virginia, Montana, Oklahoma, Mississippi, New Mexico, and Colorado (as well as the Northern Mariana Islands, Puerto Rico, U.S. Virgin Islands, and American Samoa). (Table 2).

**Growth in numbers:** Whether because of 1) better diagnosis, 2) a broader definition of autism, 3) a marked enlargement in the population of a particular state (e.g. Nevada), and 4) an actual increase in the numbers of individuals with ASDs, nationally, between 1992 and 2003, there has been about a 2,560% increase in reported cases. These increases range from 23,300% in Ohio, 17,700% in Nevada, 16,200% in Wisconsin, 12,500% in Maryland, 11,600% in New Hampshire, to between 1,000% and 5,000% in 21 states and less than 500% in 8 states. (Table 3) One would anticipate (at least hope) that the knowledge of such increases of thousands of percent in the number of children (ages 6 to 22 years) with ASDs among a politician’s constituents would ensure desired attention to the needs of these individuals.

## New Accreditation Material

On July 30, 2004, the Commission on Dental Accreditation adopted new standards for dental and dental hygiene education programs to assure didactic and clinical opportunities to better prepare dental professionals for the care of persons with developmental disabilities, complex medical problems, significant physical limitations, and a vast array of other conditions which are considered under the rubric of “individuals with special needs.” Implementation of this revised standard was required by January 1, 2006. Specifically, patients with special needs were defined as: “those patients whose medical, physical, psychological, or social situations that make it necessary to modify normal dental routines in order to provide dental treatment for that individual. These individuals include, but are not limited to, people with developmental disabilities, complex medical problems, and significant physical limitations.” <sup>(11)</sup>

The recent modification in standards for dental education programs seeks to recognize and specifically prepare the next generations of practitioners who will be called upon to care for individuals (who live in our communities) and whose physical and intellectual limitations extend beyond the traditional definition of a “medically compromised patient.” <sup>(12)</sup>

## The Challenge

Lobbying is a competitive effort directed to reaching legislators who are attempting to balance the demands of individuals, organized groups, political parties, and the complex economic realities of our times. In such an environment, any effort that can personalize the needs of a large special group among the constituents of the home district and state of a member of the Congress enhances the potential for success.

Nevertheless, “mega numbers” do have their place and should be emphasized together with “personalized” information when making a presentation to legislative representatives and health practitioners. A statement of the sheer magnitude of a problem can have a desired effect. For example, in the early years of this decade, the approximately 13.5 million non-institutionalized individuals with cognitive disabilities included:

- > Almost 2.3 million children 5-15 years, 7.5 million in the 16-64 age group, and 3.7 million in the older age population.
- > 10 million white, 2.1 million black, and 1.4 million Hispanic men and women. <sup>(13,14)</sup>

It is not unimportant that there are more than 13 million individuals with cognitive disabilities. Nor should we fail to emphasize that there are about 1.5 million children and adults with autism spectrum disorders, and that in a little more than a decade, there has been a national cumulative growth of 2,560% in the number of children with ASDs. Rather, it is more meaningful to a member of the U.S. Senate, House of Representatives, and state legislatures, (even health practitioners) to describe the growth and magnitude in their jurisdictions and communities of individuals with special needs. For example, that there are 7,299 children with disabilities (primarily, intellectual disabilities) in the 2nd Congressional District in Georgia, 8,877 children with disabilities in the 5th Congressional District in Kentucky, 7,935 children with disabilities in the 28th Congressional District in Texas, 14,598 children with disabilities in the 16th Congressional District in New York, <sup>(14)</sup> and in your own district... well the numbers just speak for themselves.



**Table 1. Number of children (ages 3-22) with autism by state: 2003 (10)**

State	Number	State	Number
California	24,863	Kansas	1,130
Texas	11,940	Arkansas	1,114
New York	9,486	Maine	1,018
Michigan	7,259	Oklahoma	991
Pennsylvania	7,178	Colorado	978
Florida	7,151	Puerto Rico	894
Illinois	6,961	Hawaii	770
Minnesota	5,838	Mississippi	680
New Jersey	5,503	New Hampshire	667
Ohio	5,490	Rhode Island	655
Indiana	5,434	Nebraska	649
Massachusetts	5,087	Idaho	635
North Carolina	4,687	West Virginia	534
Oregon	4,389	New Mexico	413
Georgia	4,383	South Dakota	391
Maryland	4,084	Delaware	375
Virginia	3,951	Vermont	315
Wisconsin	3,669	Alaska	311
Washington	3,112	Montana	270
Missouri	2,863	North Dakota	240
Connecticut	2,357	Dist. of Columbia	215
Arizona	2,288	Wyoming	182
Tennessee	1,958	Guam	62
Louisiana	1,924	N. Mariana Islands	20
Kentucky	1,586	U. S. Virgin Is.	19
South Carolina	1,523	American Samoa	2
Alabama	1,479		
Iowa	1,331	<b>Total</b>	<b>163,647</b>
Utah	1,179		
Nevada	1,164		

**Table 2. Number of children (ages 3-22) with autism per 10,000 population by state: 2003 (10)**

State	Number	State	Number
Oregon	12.0	Delaware	4.4
Minnesota	11.3	Idaho	4.4
Indiana	8.6	Louisiana	4.2
Massachusetts	7.9	Kansas	4.1
Maine	7.7	Florida	4.0
Maryland	7.2	Arkansas	4.0
Michigan	7.1	Dist. of Columbia	3.9
California	6.8	Arizona	3.8
Connecticut	6.7	Kentucky	3.8
Wisconsin	6.6	North Dakota	3.7
New Jersey	6.3	Nebraska	3.6
Rhode Island	6.0	Guam	3.6
Hawaii	6.0	South Carolina	3.5
Pennsylvania	5.7	Wyoming	3.5
Illinois	5.4	Tennessee	3.2
North Carolina	5.3	Alabama	3.2
Texas	5.2	West Virginia	2.9
Virginia	5.2	Montana	2.8
New Hampshire	5.0	Oklahoma	2.7
Vermont	5.0	N. Mariana Islds	2.4
South Dakota	5.0	Mississippi	2.3
Washington	4.9	Puerto Rico	2.2
Missouri	4.9	New Mexico	2.1
New York	4.9	Colorado	2.0
Georgia	4.8	U.S. Virgin Islds	1.7
Nevada	4.8	American Samoa	.3
Ohio	4.7		
Utah	4.7	<b>Average 4.8</b>	
Alaska	4.6		
Iowa	4.4		

*continued on page 20*



PARAGON has closed thousands of transactions for our clients.

Let us help you reach your professional goals, whether it be purchasing, selling or evaluating your practice.



**Call 866.898.1867 or visit [PARAGON.US.COM](http://PARAGON.US.COM) to sign up for our free newsletter.**

**Med Tech delivers the cost-conscious quality you expect... on-target, on-time, and on-budget!**



**Building your future.**

35+ YEARS OF EXPERIENCE • 1000+ PROJECTS

**Med+Tech**

Construction, Inc.  
Superior Interiors for Medical, Dental & Optical

**Brian Berry** President

[brian@medtechconstruction.com](mailto:brian@medtechconstruction.com)

**John Northcutt**

V.P. - Dallas, Oklahoma City, Tulsa  
[john@medtechconstruction.com](mailto:john@medtechconstruction.com)

**Brian Nash**

V.P. - Austin, Houston, San Antonio  
[bnash@medtechconstruction.com](mailto:bnash@medtechconstruction.com)

**(972) 226.3332**

[www.MEDTECHCONSTRUCTION.com](http://www.MEDTECHCONSTRUCTION.com)

SERVING AUSTIN, DALLAS, HOUSTON, OKLAHOMA CITY, SAN ANTONIO & TULSA

**Table 3. Cumulative growth of autism cases in children (ages 6 to 22 years) by state: 1992-2003. (10)**

Percent increase

Ohio	23,291%
Nevada	17,720
Wisconsin	16,195
Maryland	12,529
New Hampshire	11,600

Between 1,000% and 5,000% increase (In decreasing order)

(high)			(low)
Colorado	Arkansas	Minnesota	Illinois
Mississippi	Vermont	Nebraska	Montana
Kentucky	New Mexico	Idaho	Connecticut
Rhode Island	Alaska	Georgia	California
Oklahoma	Iowa	North Dakota	
Guam	Maine	Kansas	

Between 500% and 980% increase

(In decreasing order)			
Wyoming	New Jersey	Utah	South Dakota
Arizona	Pennsylvania	Missouri	Texas
Alabama	South Carolina	Florida	Oregon
Hawaii	Dist. of Columbia	Massachusetts	Virginia
Indiana			

Between 40% and 472% increase

(In decreasing order)			
Washington	Michigan	West Virginia	Amer. Samoa
N. Mariana Is.	North Carolina	Louisiana	Puerto Rico
Tennessee	New York	Delaware	U/S. Virgin Is.

National average = 2,560% increase

**References**

1. Dawkins R. The Blind Watchmaker. New York, W.W. Norton and Company, 1986.
2. Autism Society of America. Improving the lives of all affected with autism. Available at: <http://www.autism-society.org> Accessed July 19, 2009.
3. Centers for Disease Control and Prevention. Autism Information Center: autism spectrum disorders overview. Available at: <http://www.cdc.gov/ncbddd/autism/overview.htm> Accessed July 19, 2009.
4. National Institute of Neurological Disorders and Stroke. Autism Fact Sheet. Available at: [http://www.ninds.nih.gov/disorders/autism/detail\\_autism.htm?css=print](http://www.ninds.nih.gov/disorders/autism/detail_autism.htm?css=print) Accessed July 18, 2009.
5. National Institute of Child Health & Human Development. Is there a link between autism and vaccines? Available at: <http://www.nichd.nih.gov/health/topics/asd/cfm?renderforprint=1> Accessed July 18, 2009.
6. Boston Herald. Autism doc probed for misconduct: accused of taking blood from kids at party. July 17, 2007. Available at: <http://news.bostonherald.com> Accessed July 18, 2009.
7. Campbell D. New health fears over big surge in autism. Guardian Unlimited, July 8, 2007. Available at: <http://www.guardian.co.uk/medicine/story/0,,2121542,00.html> Accessed July 19, 2009.
8. Fighting Autism. Autism clock. Available at: <http://www.fightingautism.org/clock> Accessed July 17, 2009.
9. Statemaster. Available at: <http://www.statemaster.com/index.php> Accessed July 19, 2009.
10. Statemaster.com Health statistics: number of children with autism by state. Available at: <http://www.statemaster.com> Accessed July 18, 2009.
11. Commission on Dental Accreditation. Accreditation standards for dental education programs. Chicago: Amer Dent Assoc, July 30, 2004.
12. Waldman HB, Perlman SP. Preparing to meet the dental needs of individuals with disabilities. J Dent Educ 2002;66:82-85.
13. U.S. Census Bureau American Factfinder: disabilities. Available at: <http://factfinder.census.gov> Accessed August 23, 2006
14. Annie E. Casey Foundation. Kids Count 2000 Census data on line. Available at: <http://www.aecf.org/kidscount/census> Accessed August 10, 2006.

# Hiring Lead and Associate Dentists!

- Excellent Guaranteed Salary
- 100% Benefit Coverage
- Relocation Reimbursement
- 401(k) and Monthly Bonus Potential
- Paid Vacation and Holidays
- Successful, Modern Practice
- 100% Coverage for Malpractice and Dues

**General and Pediatric Dentists are welcome to apply.**  
**Please call or email Jacob today.**

Direct Phone (719)562-4460 • [jdkochenberger@forba.com](mailto:jdkochenberger@forba.com)  
[www.forba.com](http://www.forba.com)



## ODA Continuing Education Evaluation Form

**ODA Continuing Education**

“Mega Numbers, Lobbying and Providing Care for Individuals with Autism” presented by Drs. H. Barry Waldman and Stephen Perlman

**Participant Identification (check one)**

<input type="checkbox"/> General Practitioner	<input type="checkbox"/> Specialist	<input type="checkbox"/> Dental Assistant	<input type="checkbox"/> Hygienist
<input type="checkbox"/> Office Manager	<input type="checkbox"/> Receptionist	<input type="checkbox"/> Spouse	<input type="checkbox"/> Other

**Rate the Following** Excellent.....Poor

**5      4      3      2**

**Presenter's Methods**

Was reading the article an effective learning method?  5     4     3     2     Poor

**Course Content**

To what extent did the article content relate to your educational objectives?  5     4     3     2     Poor

What overall rating would you give the entire article?  5     4     3     2     Poor

Was the length of this article appropriate?  5     4     3     2     Poor

**Participant Benefits**

Were your personal objectives for participation satisfied?  5     4     3     2     Poor

To what degree did this article enhance your current knowledge or skill?  5     4     3     2     Poor

Were you able to contact the lecturer with questions in a timely manner?  yes     no     N/A

Which subject or area of content was most helpful to you? \_\_\_\_\_

\_\_\_\_\_

What two things did you learn from this article that you will take back to your practice? \_\_\_\_\_

\_\_\_\_\_

What other subjects or topics would you like to see offered in the future? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### — OKLAHOMA CONTINUING EDUCATION REPORTING CARD —

**Course Title:** ODA CE - Mega Numbers, Lobbying and Providing Care for Individuals with Autism

**Sponsor Name:** Oklahoma Dental Association

**Signature of Sponsor:** Stephanie Trougakos for the ODA, an - certified CE provider

**Hours of Instruction:** 1 **Date of Instruction:** \_\_\_\_\_

**I certify the above information is accurate.**

**License #:** \_\_\_\_\_ **Signature of Licensee:** \_\_\_\_\_

**Please Print Name:** \_\_\_\_\_



# Native American Health Conditions: The Setting for Children and Adults with Disabilities

*H. Barry Waldman, DDS, MPH, PhD*  
Distinguished Teaching Professor  
Department of General Dentistry  
School of Dental Medicine - Stony Brook University  
Stony Brook, NY 11794-8706  
E-mail: [hwaldman@notes.cc.sunysb.edu](mailto:hwaldman@notes.cc.sunysb.edu)

*Steven P. Perlman, DDS, MScD*  
Global Clinical Director, Special Olympics, Special Smiles  
Associate Clinical Professor of Pediatric Dentistry  
The Boston University Goldman School of Dental Medicine  
Private practice in Lynn MA

*Allan J. Kucine, DDS*  
Clinical Associate Professor  
Department of Oral and Maxillofacial Surgery  
Associate Dean for Clinical Affairs  
Stony Brook University

**“Did you know at least  
550,000 (American) Indians  
live with disabilities?”<sup>(1)</sup>**

## THE SETTING

According to the 2000 U.S. Census, nearly 2.5 million Americans identified themselves exclusively as “American Indian or Alaska Native.” (AI/AN) There are 4.1 million people who identify themselves either as Indian only or Indian in combination with another race. Approximately 944,400 of these Native Americans live on federal reservations or on off-reservation trust lands. Of the 50 states, 35 have federal reservations within or over state borders. The Federal Government officially recognizes 569 tribes and Alaska Native villages. They are known as “Federally Recognized Tribes.” Each tribe has its own culture, beliefs, and practices. AI/ANs have a unique relationship with the federal government due to a history of conflict and subsequent treaties. Tribes exist as sovereign entities, but federally recognized tribes are entitled to health and educational services provided by the federal government. Although the Indian Health Services (IHS) is charged with serving the health needs of these populations, more than half of the AI/AN population does not reside permanently on a reservation and therefore have limited or no access to IHS services.

Two types of services are provided by the IHS: 1) direct health care services, which are provided by an IHS facility, or 2) contract health services which are provided by a non-IHS facility or provider through contracts with IHS. These contract services are provided principally for members of federally recognized tribes that reside on or near the reservation established for the local tribe(s). A member of a recognized tribe may obtain care at any IHS hospital or clinic if the

facility has the staff and capability of providing the care. Most people who move away from their home reservations are not eligible for care. Some programs are operated tribally and may restrict services to members of their own tribe. There are a few Indian health facilities located in cities throughout the United States.

In general, geographic isolation, economic factors, inadequate sewage disposal, cultural barriers, and suspicion associated with traditional spiritual beliefs are some of the reasons why health among AI/ANs is poorer than for other groups.<sup>(2)</sup>

## HEALTH AND GENERAL FACTS

An extended series of reports have documented the seeming endless array of serious health and general conditions that face the AI/AN child and adult populations. For example:

- > Approximately one-quarter of AI/AN children and 20% of adults has been diagnosed with asthma, compared to 14% of white children and adults.
- > Injury and violence account for 75 percent of all deaths among AI/AN ages 1 to 19 years.
- > Compared to female counterparts, AI/ANs adult males are 1) twice as likely to die from a motor vehicle crash, 2) four times more likely to drown, 3) four times more likely to commit suicide, 4) three times more likely to be murdered, and 5) twice as likely to die from fire and burn injuries.
- > Among AI/ANs 19 years and younger, motor vehicle crashes were the leading causes of injury-related deaths, followed by suicide and homicide.
- > Lung cancer is the leading cause of cancer death among AI/ANs, “... yet of the 217 native languages spoken today most, if not all, do not include a word for ‘cancer.’”<sup>(3)</sup>
- > AI/ANs infants have Sudden Infant Death Syndrome rates three times higher than white infants.
- > AI/ANs are more than twice as likely to have diabetes as non-Hispanic whites.
- > AI/AN tuberculosis case rates are nearly six times greater than in non-Hispanic whites.
- > Among AI/AN youths aged 12-17, the rates of past month cigarette use, binge drinking, and illicit drug use are higher than those of all other racial/ethnic groups. AI/AN youths are more likely to believe that all or most of the students in their school get drunk at least once a week. They are more likely to perceive moderate to no risk of illicit or under-age substance use; almost 60 percent smoke marijuana once or twice a week, and almost one half smoke one or more packs of cigarette per day. Forty-one percent of AI/AN adults smoke; more than any other ethnic group.
- > AI/AN adults are more likely to be obese or never engage in leisure time physical activity.
- > AI/ANs have higher rates of hearing loss.
- > AI/AN adults are at least twice as likely as other adults to have experienced serious psychological distress in the past month.

*continued on page 24*

# One day. Half a million smiles.



On February 5, 2010, thousands of dentists across the country will take time from their practices to help underserved children get the oral health care they need.

Give Kids A Smile® Day is an annual volunteer event that provides free educational, preventive and restorative services to children from low-income families.

Last year, we worked together to provide care to more than 470,000 kids. Let's make it half a million this year.



**ADA** American Dental Association®

Volunteer registration begins October 1, 2009 at [givekidsasmile.ada.org](http://givekidsasmile.ada.org).  
Deadline to request product is November 13, 2009.

- > At the time of admission to publicly funded substance abuse treatment facilities, AI/AN individuals are more likely to report alcohol as their primary substance of abuse than reported by all other racial/ethnic groups.
- > The proportion of the AI/AN population with an AIDS diagnosis ranks third after blacks and Hispanics.
- > AI/AN families have a poverty rate of approximately 22 percent.
- > AI/ANs are at least twice as likely as non-Hispanic whites and Asians to have unmet medical care due to cost.
- > AI/ANs are much more likely than non-Hispanic whites and Asians not to have seen a dentist within the past five years. <sup>(3-9)</sup>

## NOW ADD DISABILITIES

A recent national survey found that more than 23 percent of the AI/AN population had one or more disabilities. **“This is the highest rate of disability when compared with all other races in the United States.”** <sup>(4,9)</sup> More than 50,000 Native American children had a disability, including 39,000 with multiple disabilities. <sup>(10)</sup> The term “disability” is defined by The Americans with Disabilities Act as “(A) a physical or mental impairment that substantially limits one or more of the major life activities of such individuals, (B) a record of such an impairment, or (C) being regarded as having such an impairment.” <sup>(1)</sup> Every type of disability that is found in the general population also can be found in the AI/AN population, but often at greater rates of proportion. The types of disabilities most often reported in community surveys include spinal cord injury, diabetes complications, blindness, mobility disability, traumatic brain injury, and intellectual disabilities.

## BARRIERS AND CHALLENGES

**“There is a lack of understanding about the number of Indians with disabilities, the types of disabilities in Indian communities, and the various opportunities our tribal government and service programs have to better protect and assist people with disabilities in Indian country.”** <sup>(1)</sup>

Disability is an idea familiar to Western culture but with no direct parallel in Native American culture. The concept does not look at physical characteristics but views disability as disharmony of spirit. <sup>(11)</sup>

“The healing traditions of Native Americans have been practiced in North America since at least 12,000 years ago and possibly as early as 40,000 years ago.” <sup>(12)</sup> It is based upon a spiritual view of life. A healthy person is someone who has a sense of purpose and follows the guidance of the Great Spirit. To be healthy, a person must be committed to a path of beauty, harmony, and balance. Gratitude, respect, and generosity also are considered to be essential for a healthy life.

Theories of disease causation and even the names of diseases vary from tribe to tribe. Disease may be thought to have internal or external causes or sometimes both. Negative thinking may be most important in the internal causes of disease. Germs also are spirits. A person is particularly susceptible to harmful germs if they live

an imbalanced life, have a weak constitution, engage in negative thinking, or are under a lot of stress. Other people or spirits also may be responsible for illness.

There is no typical Native healing session. Methods of healing include prayer, chanting, music, burning of sage or aromatic woods, herbs, laying-on of hands, massage, counseling, imagery, fasting, dreaming, sweat lodges, taking hallucinogens, use of a medicine bundle (a bag made of leather or an animal pelt in which the healer carries an assortment of ritual objects, charms, herbs, and other healing paraphernalia), and/or going on a shamanic journey. Note: Native American medicine is not covered by insurance unless the practitioner is a licensed health care provider. Most Native healers do not charge a set fee for their services. Healing is considered to be “a gift of the Great Spirit.” Gifts to the healer may include groceries, money, an expression of respect and appreciation, or a pouch of tobacco. <sup>(12)</sup>

The many aspects of Native American healing have been kept secret and are not written down. The traditions are passed down by word of mouth from elders, from spirits in visit quests, and through initiation. It is believed that sharing healing knowledge too readily or casually will weaken the spiritual power of the medicine.

There is an appreciation that “the diseases of civilization,” or white man’s diseases, often need white man’s medicine. In those cases, Native American medicine can be an important component of an integrative approach to healing. For example, the most successful programs for treating alcohol addiction in Native communities have combined Western approaches to psychological counseling, social work, and traditional Native American healing practices.

In addition, there are particular legal and environmental factors which serve to impede efforts to meet the needs of youngsters and the older populations with disabilities. These include:

Unclear legal enforcement: Federal laws designed to protect people with disabilities are not always enforced always against tribal governments because of their sovereign immunity and status. Many tribes have opted to adopt their own ordinances and codes to protect their people with disabilities within the tribal system.

Rural transportation: Most tribal lands are located in rural and remote areas, and lack public transportation systems which could provide increased independence and access to added services for people with disabilities.

Rural infrastructure: Tribal communities may not have basic physical facilities such as sidewalks and sidewalk ramps for wheelchair access for individuals with disabilities.

Public access: Tribal buildings that serve the community are not always accessible for people with disabilities. Some of these tribes may lack the resources to retrofit buildings to accommodate people with disabilities.

Complex government programs: There are a variety of federal and state programs that can be important resources for individuals with disabilities who live on tribal lands. These programs may have overlapping or conflicting responsibilities and are difficult to navigate.

Education systems: The majority of AI/AN children are educated through the public school systems in each state. The balance of Indian children are educated in schools operated by local tribes or





federal schools run by the Bureau of Indian Affairs. Parents of Indian children with disabilities may not be aware of the services and support to which children are entitled and may not know how to advocate for the children effectively.

**Employment:** Federally recognized tribes specifically are exempt as employers under Title 1 of the Americans with Disability Act (ADA), which prohibits discrimination against qualified individuals with disabilities in employment and requires that employers make reasonable accommodations for employees with disabilities. This exemption is a barrier for AI/ANs with disabilities in Indian country, particularly in rural areas where tribal governments are the largest employers. Some tribal governments have complied voluntarily with ADA or adopted their own codes to protect people with disabilities from employment discrimination.

**Housing:** Homes generally are not designed to meet the needs of individuals with disabilities. There are limited funds at the tribal level to cover the cost of retrofitting tribal or private housing.

**Service coordination and advocacy:** IA/AN people with disabilities do not always have a central location where services are coordinated within the tribal settings.

**Personal care assistance:** Much more is needed in Indian communities to provide home and community based services. <sup>(1)</sup>

## DIRECTIONS

Is there any answer to the seemingly complex dilemma of caring for youngsters and the not-so-young AI/AN with disabilities in general living settings and environments wrought with seemingly endless health and social problems? Maybe the answer lies in the process that we as authors followed. In preparation for this presentation, we dutifully researched the literature about the health of Native Americans, especially those with disabilities. The more we read, the more we recognized how little we knew. (It could well be that the financial success of those few tribes with successful casino operations have masked an appreciation of the intensive needs of the majority of other tribal members.) The needed direction may well be an increasing effort to tell the story of Native Americans with disabilities. Just as we learned, so too the necessary direction may well be to reach the general public and health practitioners with the situation and needs of this population.

## References

1. National Council on Disability. Understanding disabilities in American Indian and Alaska Native Communities: Toolkit Guide. Available at: [http://www.ncd.gov/newsroom/publications/2003/pdf/native\\_toolkit.pdf#search=%22native%20american%20disabilities%22](http://www.ncd.gov/newsroom/publications/2003/pdf/native_toolkit.pdf#search=%22native%20american%20disabilities%22) Accessed August 22, 2006.
2. CDC Office of Minority Health. American Indian and Alaska Native Populations. Available at: <http://www.cdc.gov/omh/Populations/AIAN/AIAN.htm> Accessed August 22, 2006.
3. American Lung Association. American Indians/Native Alaskans and Lung Disease Fact Sheet. Available at: <http://lungusa.org/site/pp.asp?c=dvLUK9O0E&b=36053> Accessed August 22, 2006.
4. National Diabetes Education. The diabetes epidemic among American Indians and Alaska Natives. Available at: [http://ndep.nih.gov/diabetes/pubs/FS\\_AmIndian.pdf](http://ndep.nih.gov/diabetes/pubs/FS_AmIndian.pdf) Accessed August 22, 2006.
5. National Survey on Drug Use and Health. The NSDUH Report, September 24, 2004. Available at: <http://www.oas.samhsa.gov/2k4/AmIndianYouthRF/AmIndianYouthRF.htm> Accessed August 22, 2006.
6. Drug and Alcohol Service Information System: The DASIS Report. Substance abuse treatment admissions among American Indians and Alaska Natives: 2002. Available at: <http://www.oas.samhas.gov/2k5/IndianTX/IndianTX.htm> Accessed August 22, 2006.
7. Barnes PM, Adams PF, Power-Griner E. National Center for Health Statistics. Health characteristics of the American Indian and Alaska Native adult population: United States, 1999-2003. *Advance Data*, No. 356. April 27, 2005.
8. Center for Disease Control. HIV/AIDS among American Indians and Alaska Natives. April 2006. Available at: <http://www.cdc.gov/hiv/resources/factsheets/print/aian.htm> Accessed August 21, 2006.
9. Centers for Disease Control. Injuries among Native Americans: Fact Sheet. Available from: <http://www.cdc.gov/ncipc/factsheets/nativeamericans.htm> Accessed August 22, 2006.
10. Waldman HB, Perlman SP. Native American children with disabilities. *EP Magazine*. Submitted for review.
11. Clay J. Native American independent living. *Rural Spec Educ Quart* 1992;11(1):41-50.
12. Native American Encyclopedia. Healing traditions. Available at: [http://findarticles.com/p/articles/mi\\_g2603/is\\_0005/ai\\_2603000543](http://findarticles.com/p/articles/mi_g2603/is_0005/ai_2603000543) Accessed August 23, 2006.



## Health Care from a Family Perspective

By Sally Selvidge, Chair of the Children's Oral Health Coalition

Today's families struggle as never before if a family member needs full-time care. Gone are the days of having the extended family living in one neighborhood or generations under one roof. Families are faced with the mixed blessing of medical, pharmaceutical and assistive technologies that save and prolong lives, while the insurance industry continues to limit in-patient stays and units of service. Oklahoma like many other states in the last decade has undergone a period of rapid development of community based services to support de-institutionalization. However, trained care providers are still not widely accessible in rural areas; and for families whose income exceeds the poverty levels, the cost of substitute care may be a luxury ill-afforded when co-payments for therapies, expensive drugs and durable medical equipment are at stake.<sup>1</sup>

Families who are suddenly faced with caring for a new baby with special health care needs are thrust down a road they didn't choose or plan on. Their child is all of a sudden in need of a broad range of services, from primary and specialty care to prescription medications, medical equipment and therapies. As they grieve their dream they find themselves navigating a system that seems to be designed to confuse and intimidate all but the savvy. Families are on the phone to doctors and hospitals and fighting with insurance companies, while they wade through red tape and company phone menus to get answers to their many questions.

The impact of having a child with a special health care need can affect a family's finances, employment status, and mental health. There are an estimated 14.4 million employed caregivers who are balancing care giving and job responsibilities. 18% of the employed caregivers have had to quit their job to care for a family member and another 42% had to reduce their work hours. 20-40% of these caregivers have other children under the age of 18 to care for in addition to the child/family member with the disability. About one half of all primary caregivers have no outside assistance and 58 % of them showed symptoms of clinical depression.<sup>2</sup> Family Caregiver Alliance - [www.caregiver.org](http://www.caregiver.org)

No one until they are faced with adversity knows how they will react. In the case of having a child with a special health care need professionals need to realize that families are trying to work full time, juggle day care that is not often available, waiting in emergency rooms for tests that could put their child's very survival at risk, sleeping 2-4 hours a night with one eye or ear open making sure they hear a breathing or



## 2009 DENPAC Capitol Club Members

- Doug Auld
- William Lee Beasley
- Tamara Berg
- David Birdwell
- Matthew Cohlmi
- Raymond Cohlmi
- Kurt Gibson
- Mark Hanstein
- Robie Herman
- Steve Hogg
- Krista Jones
- Larry Lavelett
- Jandra Mayer-Ward
- Glenn Mead
- Raymond Plant
- Steven Powell
- Jim Torchia
- Scott Waugh

### Join the DENPAC Capitol Club today!

Contact Lynn Means at [lmeans@okda.org](mailto:lmeans@okda.org) or 800-876-8890 for more information.

heart monitor alarm, while caring for other children in the home and in some cases an elderly parent.

Coping with these challenges associated with their children's conditions can cause the caregiver's health to start to fail and the nucleus of the family to fall apart. The divorce rate for families who have a child with a disability is 80% and this stress puts them at a high risk for abuse and neglect.<sup>3</sup> Family Caregiver Alliance - [www.caregiver.org](http://www.caregiver.org)

Families struggle each day just to survive in the tangled web of bureaucracy that is still enveloped in a "separate but equal model." The concept of having a system of coordinated, ongoing, comprehensive dental and medical care within a medical home in Oklahoma is slow in coming. Many Dental and Medical professionals still haven't perceived the benefits of working together to address the health of the "whole" child.

For the parents, the child with special needs is a deeply personal and more global experience; it is not something they can get away from at the end of the day. They may feel at a disadvantage as they find themselves in a situation where they must rely on the expertise and assistance of others. It is critically important to set a positive tone early on to help these parents feel valued, supported, and

confident. They need to know that the professionals with whom they will be working not only care for them and their children but can be trusted to "be there" to assist them with the help they will need.<sup>4</sup> <http://mchb.hrsa.gov>

One of the major complaints from medical and dental providers is the no show appointments from families who have a child with a special health care need. This frustration is felt on both sides, parents and professionals, and often not honored nor respected by either party. Both need to start learning to see the world through each others "eyes." One is trying to run a business, while the other is just trying to survive through the day.

1—Paragraph taken from Unsolicited/unfunded Center for Medicaid and Medicare Grant Proposal written by Sally Selvidge and RoseAnn Percival 2003.

## ARE YOU PREPARED FOR THE ROAD AHEAD?



Professional Practice Associates is the dental practice transition specialist who understands that buying or selling a dental practice is a life-changing experience...we have been down that road personally! If you want to partner with a company who you can trust to focus on your needs in a personal way *and* on a professional level, please **call us today at (405) 359-8784 to schedule a free consultation or request a Dental Practice Transition Kit by visiting our website at [www.ppa-brokers.com](http://www.ppa-brokers.com)**. We'll do everything we can to make the journey a great one.

**Professional**  
**ppa**  
**Practice Assoc.**  
Sales, Valuations, & Consulting



Member of American Dental Sales

## ORAL PATHOLOGY

PROVIDED BY GLEN D. HOUSTON, DDS, MSD  
CHAIR, DEPARTMENT OF ORAL AND  
MAXILLOFACIAL PATHOLOGY  
UNIVERSITY OF OKLAHOMA COLLEGE OF DENTISTRY



### CASE HISTORY:

A 63-year-old male was initially examined by a neurologist with a complaint of "pain in my teeth, jaws, chin, head, and neck". The patient is referred to rule out an odontogenic origin of this condition. A thorough clinical history, oral examination, and complete radiographic survey (to include a skull series) are accomplished.

**QUESTION 1:** The radiographic appearance of this case is most accurately described as:

- Multiple, "punched-out", radiolucent areas
- An overall "cotton-wool" presentation
- Multiple, ill-defined, radiopaque masses
- A generalized "ground-glass" appearance
- Multiple, "moth-eaten", ill-defined, radiolucencies

**ANSWER:** The radiographic appearance of this case is most accurately described as multiple, "punched-out," radiolucent areas (a). Because of these observed radiographic features, the other possibilities under consideration (b,c,d,e) are excluded in this radiographic assessment.

**QUESTION 2:** Your clinical and radiographic impression should include the following in your differential diagnosis (multiple answers):

- Langerhans cell histiocytosis (eosinophilic granuloma)
- Multiple myeloma
- Hyperparathyroidism
- Metastatic disease (carcinoma)
- Paget's disease of bone

**ANSWER:** Your clinical and radiographic impression should include the following conditions in your differential diagnosis:

- Langerhans cell histiocytosis (eosinophilic granuloma)
- Multiple myeloma
- Hyperparathyroidism
- Metastatic disease (carcinoma)

Langerhans cell histiocytosis (a) is usually encountered in patients over a wide age range; however, the majority of the cases are seen in patients under the age of ten years. There is a male predilection and osseous lesions may be either solitary or multiple. Radiographically

these areas often appear as sharply punched-out radiolucencies or other examples reveal ill-defined radiolucency. Extensive alveolar bone involvement causes the teeth to appear as if they are "floating in air." The skull, ribs, vertebrae, and mandible are among the most frequent osseous sites of involvement.

Multiple myeloma (b) is typically a disease of adult males and "bone pain" is the most characteristic presenting symptom. Radiographically, multiple, punched-out, well-defined or ill-defined radiolucent lesions may be observed. These may be especially evident on a skull film, although any bone may be affected.

Hyperparathyroidism (c) results in excess production of parathyroid hormone. A variety of osseous changes may occur with this disease and one of these is the appearance of well-demarcated unilocular or multilocular radiolucent areas. These lesions commonly affect the mandible, clavicle, ribs, and pelvis. They may be solitary or multiple.

Metastatic disease (d), particularly carcinoma, is one of the most common forms of cancer that involves osseous structures. Autopsy studies have demonstrated that breast, prostate, lung, colon, and kidney carcinomas typically will disseminate to one or more bones before a patient dies. Although metastatic lesions may be observed in any bone, the vertebrae, ribs, pelvis, and skull are the most frequent sites for metastasis. Most patients with metastatic disease are elderly and the radiographic appearance of these metastatic deposits usually appears as radiolucent defects. These areas may be well-circumscribed or exhibit an ill-defined, moth-eaten appearance.

Paget's disease of bone (e) would not be considered in the differential diagnosis because this process usually presents radiographically with patchy, sclerotic areas described as exhibiting a "cotton-wool" appearance. Additionally, the teeth often exhibit extensive areas of hypercementosis.

**QUESTION 3:** After discussing the differential diagnosis with the patient's attending physician, the serum parathormone and calcium levels were evaluated on the patient and were found to be within normal limits. A subsequent biopsy of one of the radiolucent areas in the mandible was performed, yielding the following microscopic features: sheets of closely packed cells resembling plasma cells, cellular nuclei exhibiting chromatin clumping in a "clock-face" pattern, and localized amyloid deposition. The correct diagnosis, based upon the radiographic and microscopic features, would be:

- Multiple myeloma
- Hyperparathyroidism
- Eosinophilic granuloma
- Metastatic disease (carcinoma)

**ANSWER:** The lesion is correctly diagnosed as multiple myeloma (a). See "Discussion" section.

The other possibilities are not considered here because: The osseous lesions of hyperparathyroidism (b) are characterized by a proliferation of vascular granulation tissue which contains numerous foci of multinucleated giant cells. Eosinophilic granuloma (Langerhans cell histiocytosis) (c) demonstrates a diffuse infiltrate of large, pale-staining mononuclear cells (Langerhans cells). Varying numbers of eosinophils may also be observed. Additionally, metastatic disease (carcinoma) (d) in most instances is well differentiated and closely resembles, histologically, a carcinoma of a specific organ or site (i.e., breast, kidney, lung, thyroid, prostate, colon).

**DISCUSSION:** Multiple myeloma was first reported in the literature by Schridde in 1905. It is a malignancy composed of plasma cells, the cells primarily responsible for the humoral antibody response. This disease is the most common malignant bone neoplasm and probably represents a multicentric malignancy, as multiple osseous foci of disease may be detected simultaneously involving a number of bones in the same patient.

Clinically, multiple myeloma occurs most frequently between the ages of 40 and 70 years, although it may occur in much younger patients. Men are affected more frequently than women. Patients usually present with pain as an early feature of the disease and, because of the destruction of bone, pathologic fracture is quite common. The disease demonstrates a predilection for bones with hematopoietic marrow, including the vertebrae, ribs, and jaws. The mandible is involved in about one-fourth of all reported cases. When the jaws are involved, pain and paresthesia are common complaints. The tumor cells may perforate the osseous cortex, causing a soft tissue swelling. Loosening of the teeth may also be observed.

Radiographically, multiple myeloma presents as multiple, "punched-out", radiolucent areas. This same pattern is also observed with hyperparathyroidism, metastatic carcinoma, and Langerhans cell histiocytosis.

Microscopically, monotonous sheets of malignant plasma cells are observed in various stages of differentiation. Amyloid deposition is also frequently present.

Multiple myeloma is a rapidly fatal disease. About one-half of the patients die within two years of the onset of symptoms. The 5-year survival rate is approximately 10%. The disease is usually treated by systemic administration of cytotoxic drugs, as well as with systemic steroids and radiation therapy. Because the immune system

is seriously impaired, the patient is very susceptible to infection; therefore, any surgical procedure that cannot be postponed should be accompanied by antibiotic therapy against both gram positive and negative microorganisms.

**REFERENCES:**

Denz U, Haas PS, Wäsch R, et al. State of the art therapy in multiple myeloma and future perspectives. *Eur J Cancer* 2006; 42:1591-1600.

Kyle RA, Rajkumar SV. Treatment of multiple myeloma: an emphasis on new developments. *Ann Med* 2006; 38:111-115.

Ludwig H. Advances in biology and treatment of multiple myeloma. *Ann Oncol* 2005; (suppl 2):ii106-ii112.

Palumbo A, Bertola A, Musto P, et al. Oral melphalan, prednisone, and thalidomide for newly diagnosed patients with myeloma. *Cancer* 2005; 104:1428-1433.

Smith A, Wisloff F, Samson D. Guidelines on the diagnosis and management of multiple myeloma 2005. *Br J Haematol* 2005; 132:410-451.



**Discounts up to 35% for ODA Members**

**[www.dell.com/okda](http://www.dell.com/okda)**

# Classifieds

## **For Lease: South Oklahoma City**

3 Operatories plus nice reception area and lab. Set up with all new state of the art equipment. Digital X-Ray with panoramic. Computerized in all operatories. Call for information Dr. Robert D. Mars @ 405-691-3399.

## **Dental Transition Associates**

### **Well-established general practice.**

**SW OK City.** Two ops plus two hygiene rooms. This busy practice draws from the interstate system in SW OK City & Tri-city areas. Grossing \$370K

918-747-8808 or 918-747-4426 (fax)

**North of Tulsa** Established general practice for sale. Four ops plus 2 hygiene ops.

918-747-8808 or 918-747-4426 (fax)

## **Associate Dentist Needed**

Dentist seeking full or part-time associate dentist. The office has updated equipment and operatories-with 9 operatories and 2 hygienist. The practice has a steady patient flow, with an experienced out-going staff. Dr. Whitefield is a LVI trained dentist who practices modern dentistry. 401K benefits available with a guaranteed salary. If interested please call 580-762-5624 or mail resume to Dr. Quint Whitefield 1618 N 5th St. Suite 2, Ponca City, OK 74601

## **NW Oklahoma City Dental Practice For Sale.**

Modern office equipment. Collections exceeds \$400,000/year. For information call D.R. Harris, CPA (405)812-3870

## **Partnerships/Equity Opportunities now available!**

6 Day Dental & Orthodontics just may be the premier Fee-for-Service alliance of dental practices in the country. Our doctors earn more, seeing fewer patients, with plenty of time off to enjoy a rich and healthy lifestyle. Send doctor resumes to doctors@6daydental.com. www.6daydental.com

## **Mobile Dental Unit for Sale-**

2001 Travel Supreme 5th wheel trailer. Two fully equipped operatories, OC-100 Panoramic/ceph, Gendex 770 intra-oral x-ray unit with phosphor storage plates, large lab area, plenty of storage. Instruments included. For inventory list and photos, see our ad at www.okdf.org. Send bid in writing to Guillermo Gallegos, Oklahoma Dental Foundation, 317 NE 13th Street, Oklahoma City, OK 73104. Minimum bid \$67,000. Bid period ends November 15, 2009 at 5:00 p.m. 405-241-1299.

## **Prosthodontists Partnerships/Equity**

### **Opportunities now available!**

6 Day Dental & Orthodontics just may be the premier Fee-for-Service alliance of dental practices in the country. Our doctors earn more, seeing fewer patients, with plenty of time off to enjoy a rich and healthy lifestyle. 6 Day Dental has an immediate opening for a Prosthodontist. Send CV to doctors@6daydental.com. www.6daydental.com

## **GREAT OPPORTUNITY:**

South Tulsa (near 81st and Hwy 169). Associate, partner, or space sharing arrangement in new state of the art office. Advanced implant, esthetic and restorative practice with soft tissue laser and D4D cad-cam technology. Individuals wishing to provide the very best quality of care for their patients call 918-494-8674.

## **Dental Office Space For Lease**

4 operatories, reception room, front office, consult room, private office, staff room, lab/sterilizing room, (2) private bathrooms. Updated and modern, wired for computers and monitors. Contact Ali of Brady Properties @ 405-732-8899

## **FREE DENTAL CLINIC**

A new, free dental clinic is opening in south Oklahoma City. The Dental Hygienist Department at Rose State College will be sending students to work in the clinic each Thursday morning of the semester.

It is necessary to have a dentist on hand while the hygiene students do their work. There will be 12 sessions during the semester, each Thursday morning from 9:00 AM - Noon. If you are interested or want more information, please call Bill Sission at 405-246-5540.

## **Fast growing, fee for service, south OKC**

dental practice wants to hire an associate. Call (405) 632-5561 for an interview. Jack McCalmon DDS 8283 S. Walker Ste A Oklahoma City, Okla. 73139

## **2820 Linda Lane( near SE 29th and S Sooner**

Rd), Del City-former dental office, 2,164 sf available in a 4,124 sf building which is for sale in the amount of \$349,500. Lawyers lease the other 1,960 sf in the building. Ideal for an owner/user, the building is owned by a retired Dentist who would be willing to guide & mentor a new practioneer. Please contact Ken Lawton, Coldwell Banker Commercial at 840-4545 or ken@hocker.com.

**PRACTICE FOR SALE: NORMAN, OK.** Four operatories in leased facility. Grossing \$1,259,000. Beautiful office and great equipment. Dentrrix. Owner will work for you if you like. (405) 359-8784 FINANCING AVAILABLE.

**PRACTICE FOR SALE: NORTHWESTERN OKLAHOMA.** Grossing \$827K in 30 hour week. Beautiful office and equipment. Five operatories and one Hygiene. Owner will work for you. (405) 359-8784 FINANCING AVAILABLE.

**PRACTICE FOR SALE: ENID OKLAHOMA.** Grossing \$500,000 in 32 hour week. Four identical operatories. Beautiful office and equipment. (405) 359-8784 FINANCING AVAILABLE.

**PRACTICE FOR SALE: TULSA SUBURB.** Grossing over \$750K in 4 day week. Five operatories, digital and Dentrrix. Elec. Handpieces. (405) 359-8784 FINANCING AVAILABLE.

**PRACTICE FOR SALE: TULSA.** Grossing \$351.5K in three day week. Four operatories with hygiene. Huge potential for growth. (405) 359-8784 FINANCING AVAILABLE.

**PRACTICE FOR SALE: TULSA.** Grossing \$360K in three and a half day week. Four operatories. Minimal competition in area. (405) 359-8784 FINANCING AVAILABLE.

**PRACTICE FOR SALE: S.E. OKLAHOMA.** Produced \$407.5K in three and a half day week. Forty new patients per month. Three operatories. (405) 359-8784 FINANCING AVAILABLE.

**PRACTICE FOR SALE: OKLA. CITY SUBURB.** Two day/week practice grossing \$191K. Two ops and room for three. Dentrrix. Excellent equipment. (405) 359-8784 FINANCING AVAILABLE.

**TULSA ENDODONTIC PRACTICE FOR SALE:** More than enough business for Atwo@ endodontists. Owner will stay part time. Four digital ops, all with microscopes. (405) 359-8784 FINANCING AVAILABLE  
**STILLWATER PRACTICE FOR SALE:** Four ops grossing \$350K in three days/week. Immediate sale. FINANCING. (405) 359-8784

**THE OFFICES LISTED ABOVE MAY BE SEEN AT** www.ppa-brokers.com **OR CALL PROFESSIONAL PRACTICE ASSOCIATES AT** (405) 359-8784.

# ODA ENDORSED COMPANIES

BEING A MEMBER OF THE ODA DOES HAVE ITS ADVANTAGES!

## ALEXANDER *AS* STRUNK

Insurance products for the practice and for the individual including:

- Professional liability - Home & Auto - Business office property - Medical - Worker's compensation - Long-term care - Term life
- Employment practices liability - Disability - Accidental death & dismemberment - Business overhead expense - Employment Practices Liability
- Accidental Death & Dismemberment (405) 751-8356 or (800) 375-8356 - [www.strunkinsurance.com](http://www.strunkinsurance.com)

### Other Insurance Programs



**Direct Dental**  
Dollar-based, direct reimbursement dental plan for employers  
(918) 455-1899 - [www.directdental.net](http://www.directdental.net)

### Financial Services



**Bank of America**  
ODA personal/business credit card  
(800) 598-8791  
Practice, practice sales & acquisition financing  
(800) 491-3623 - [www.bankofamerica.com](http://www.bankofamerica.com)



**CareCredit**  
Patient payment plans  
(800) 800-5110 - [www.carecreditworks.com](http://www.carecreditworks.com)

### Travel Discounts



**Hertz**  
Car rental discounts  
(800) 654-2201 - [www.hertz.com](http://www.hertz.com)

### Programs for the Office



**AMERICAN PROFIT RECOVERY**  
Debt collection services  
(800) 711-0023 or  
[www.americanprofit.net](http://www.americanprofit.net)



**MMEX**  
Precious scrap metal recovery program  
(800) 741-3174  
[www.easyrefine.com](http://www.easyrefine.com)



**Insurance Answers Plus**  
Detailed benefit answers on local, statewide and national employer's dental plans  
(800) 683-2501  
[www.iaplus.com](http://www.iaplus.com)



**OfficeMax**  
Office supplies, paper products, office furniture and technology equipment discounts  
[solutioncenter.officemax.com](http://solutioncenter.officemax.com)  
(800) 248-6343



**TDIC**  
Employee office manual and office policy development kit  
(888) 574-5896  
[www.thedentists.com](http://www.thedentists.com)



**COREVAULT**  
Online data backup and recovery services  
(888) 356-2707  
[www.corevault.net/dataprotection/ODA](http://www.corevault.net/dataprotection/ODA)



**E-Claims & Eligibility Connect**  
Electronic insurance claims submission  
(866) eclaims (325-2467)  
[www.1866eclaims.com](http://www.1866eclaims.com)



**LANDS' END**  
Quality apparel with practice logo for the dental team  
(800) 990-5407  
[www.landsend.com/business](http://www.landsend.com/business)



**PAYCHEX**  
Payroll processing services  
(800) 729-2439  
[www.paychex.com](http://www.paychex.com)



**The Dental Record**  
Complete clinical record keeping system  
(800) 243-4675  
[www.dentalrecord.com](http://www.dentalrecord.com)



**Easy as DELL**  
Discount on all office and home computer needs.  
(866) 467-3355  
[www.dell.com/okda](http://www.dell.com/okda)



**FedEx**  
Shipping services  
(800) 636-2377  
<https://advantagemember.visionary.com/4490/>  
Use passcode MWEK43



**LIFEGUARD MEDICAL SOLUTIONS**  
Automated external defibrillator discounts  
(866) 932-2331  
[www.lifeguardmed.com](http://www.lifeguardmed.com)



**Pitney Bowes Small Office Series**  
Postage meters  
(877) 562-4500  
[www.pbmailstation.com/ada](http://www.pbmailstation.com/ada)



**PROSITES**  
Website design and Internet marketing services  
(888) 932-3644  
[www.prosites.com/oda](http://www.prosites.com/oda)



**DRNA**  
Bio-hazardous and sharps disposal, Amalgam, X-ray lead foils disposal, X-ray chemistry disposal  
(800) 360-1001  
[www.drna.com](http://www.drna.com)



**Heartland PAYMENT SYSTEMS**  
Electronic credit card, check management, and payroll processing services  
(918) 809-5471  
(405) 562-1933  
[www.heartlandpaymentsystems.com](http://www.heartlandpaymentsystems.com)



**LifeLock**  
Identity theft protection services  
(877) LifeLock (877-543-3562)  
[www.lifelock.com](http://www.lifelock.com)



**Solmetex**  
Waste water management, amalgam separation, wastewater filtration  
(800) 216-5505  
[www.solmetex.com](http://www.solmetex.com)

For more information on how you can start taking advantage of the ODA Member-only discounts offered by these ODA-endorsed companies, contact the company directly, or visit [www.okda.org](http://www.okda.org) today!

## Good for You. Good for Your Patients.

Nearly three out of every four practicing dentists in America participate in one or more of Delta Dental's networks. It's no wonder. Participation in the Delta Dental networks is not only good for your patients, but also good for your practice. No other dental benefits carrier offers the same level of expertise and commitment to oral health.



### ***Fast, convenient claims processing!***

- When you sign up for direct deposit you'll receive your payment within 24-48 hours of the claim being processed
- Our average claims turnaround time is less than two business days

### ***What you need, when you need it!***

- Our Customer Service wait time is less than 33 seconds
- Our Customer Service team gets you the information you need—quickly and efficiently

### ***Advancing greater access to oral health care and education!***

- The DDOK Charitable Foundation has given nearly \$2 million to support a variety of projects and initiatives
- Funding educational school programs, college scholarships, free and low-cost clinics across the state, and more

*“Because where the need is great, the giving must be greater.”*