



AMERICAN ACADEMY
OF OROFACIAL PAIN

AAOP 41st SCIENTIFIC MEETING



THE EVOLVING WORLD OF OROFACIAL PAIN

MAY 4-7, 2017
TALKING STICK RESORT



Scottsdale, AZ



AAOP – 2016/2017 OFFICERS

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Executive Director



Message from the 2017 Program Committee

On behalf of the planning committee of the American Academy of Orofacial Pain's 41st annual scientific meeting, it is my honor to invite you to Scottsdale, Arizona from May 4-7, 2017 for this exciting and informative event. The meeting is entitled "The Evolving World of Orofacial Pain". The theme was chosen in recognition of the scientific advances, rapid and significant changes occurring within our field. It is incumbent upon us as clinicians, educators, and researchers who manage orofacial pain to be current with these evolving developments. The knowledge gained will alter our professional daily activities, ultimately providing the patients we serve with enhanced evidence based care.

We are very fortunate to have attracted a group of well-recognized experts from various disciplines of dentistry and medicine who will enlighten us regarding these advancements. In addition, we are offering extraordinary preconference sessions. These include a return of the Orofacial Pain review course coordinated by Dr. Gary Heir and involving many renowned educators, an update on headache medicine lead by Dr. David Dodick, and a Sleep Medicine course from Dr. Dennis Bailey. As always, our meeting strives to provide a translational approach to education where we bridge the gap between basic science and clinical applicability.

We are eagerly anticipating this meeting. We feel that we have invited the very best presenters to provide an enthusiastic and provocative program at a great choice of venue, the Talking Stick Resort.

I look forward to seeing you all soon,

Jennifer Bassiur, DDS
Chair, 2017 Scientific Annual Meeting

AAOP MISSION STATEMENT

THE AMERICAN ACADEMY OF OROFACIAL PAIN, AN ORGANIZATION OF DENTISTS AND AFFILIATED HEALTH CARE PROFESSIONALS, IS DEDICATED TO ALLEVIATING PAIN AND SUFFERING THROUGH THE PROMOTION OF EXCELLENCE IN EDUCATION, RESEARCH, AND PATIENT CARE IN THE FIELD OF OROFACIAL PAIN, TMD, DENTAL SLEEP MEDICINE AND ASSOCIATED DISORDERS.

Who Should Attend?

All interested dentists, physicians, physical therapists, researchers, mental health care professionals and other practitioners who diagnosis and treat orofacial pain disorders.

Accreditation Statement



The American Academy of Orofacial Pain is designated as an Approved PACE Program Provider by the Academy of General Dentistry. The formal continuing dental education programs of this program provider are accepted by AGD for Fellowship/Mastership and membership maintenance credit. Approval does not imply acceptance by a state or provincial board of dentistry, or AGD endorsement. The current term of approval extends from 1/1/2015 – 12/31/2018. Provider #218197

Maximum total credit educational hours being offered at this conference are 26.25 (including core conference, preconference workshops, breakfast forums & lunch sessions). The core conference offers 15.25 CE hours. Each preconference offers an additional 6 CE hours, each breakfast forum provides 1 CE hour and each Lunch and Learn provides 1.5 CE hours. Each attendee should claim only those hours of credit that he/she actually spent in the education. Workshops, breakfast & lunch sessions all require additional registration.

Conference Clinical and Academic Learning Objectives

1. Learn about the relationships between nutrition and orofacial pain.
2. Become familiar with the association of orofacial pain with headache conditions, including the recognition of signs and symptoms requiring immediate or emergent intervention.
3. Understand concepts in TMD diagnosis and management.
4. Learn about the mechanisms associated with the transition from acute to chronic pain and identify patients at higher risk for developing chronic orofacial pain.
5. Understand the diagnosis and management of trigeminal nerve injuries and neuropathies.
6. Become informed about systemic conditions that may mimic orofacial pain disorders.
7. Identify cervical and facial movement disorders and become familiar with the evidence for movement reeducation.
8. Become familiar with the new emerging field of tissue engineering and its potential influence on TMD treatment planning.
9. Explore the role of the dentist in sleep medicine and the interaction between sleep and orofacial pain.
10. Explore and evaluate the use of various imaging modalities in orofacial pain
11. Understand the influence of the placebo effect and the role placebo plays in the management of patients with chronic orofacial pain.

FACULTY

Dennis Bailey, DDS

Nancy Byl, PT, PhD

Roger Cady, MD

Charles Carlson, PhD

Joseph "Rich" Cohen, DDS

Luana Colloca, MD, PhD

David Dodick, MD

Paul Durham, PhD, MS

Eli Eliav, DMD, PhD

Eveline Erni, PT, MA, CMA, CCTT, CODN

Henry Gremillion, DDS, MAGD

Gary M. Heir, DMD

Todd Henkelmann, PT, MA. CCTT

Michael Karegeannes, PT, MHSc, LAT, MTC, CFC, CCTT, CMTPT

Gilles LaVigne, DMD, MSc, PhD, FRDC(C)

Catalina Morarasu, DDS

Alireza Moshaverinia, DDS, PhD, FACP

Nancy Nies Byl, PT, MPH, PhD

Jeffrey Okeson, DMD

Savaran Ram, DDS, MS

Patricia Rudd, DPT, CCTT

Steven Scrivani, DDS, DMSC

Parish Sedghizadeh, DDS, PhD

Andrew Smith, DDS

Sotirios Tetradis, DDS, PhD

Riva Touger-Decker, PhD, RD, CDN, FADA

Judith Turner, PhD



PROGRAM OVERVIEW

WEDNESDAY, MAY 3, 2017

ABOP Board Exams

Pre-Conference Workshops –
(Additional Registration Required)

THURSDAY, MAY 4, 2017

9:00 am – 4:00 pm

- I. **Comprehensive Review in Orofacial Pain** *Salt River 1*
– Gary Heir, DMD, et al
- II. **Headache 101** – David Dodick, MD, et al *Salt River 2*
- III. **Dental Sleep Medicine 101** *Red Bird K-L*
– Dennis Bailey, DDS, et al
- IV. **Physical Therapy for Orofacial Pain – Cervical Muscle Pathology and Rehabilitation for Patients with Orofacial Pain** *Dove H-I*
– Eveline Erni, PT, CMA, MA, CCTT, CODN;
Patricia Rudd, DPT, CCTT (Course Coordinators)

AAOP Committee Meetings

AAOP Council Meeting

FRIDAY, MAY 5, 2017

7:00 – 8:00 am

Breakfast sessions – (Additional Registration Required)

BREAKFAST SESSION 1 *Salt River 1-2*

Dental Management of Occlusal Dysesthesias
– Henry Gremillion, DDS, MAGD

BREAKFAST SESSION 2 *Salt River 6-7*

The Business of OFP – Joseph R. Cohen, DDS

7:30 – 8:00 am *East/West Great Hall*

Continental Breakfast with Exhibitors

8:15 – 8:25 am *Salt River 4-5*

Welcome Remarks

– Gary Klasser, DMD, AAOP President;
Jennifer Bassiur, DDS, 2017 Program Chair

8:25 – 8:45 am *Salt River 4-5*

Presentation of New Fellows & Introduction of New Members
– Saravanan Ram, DDS, MS; Richard Townsend, DMD, MS
AAOP Membership Chairs

PLENARY SESSIONS:

8:45 – 10:15 am *Salt River 4-5*

PLENARY 1

Keynote Presentation: Emerging Role of Epigenetics in Understanding Orofacial Pain and Treatment Strategies
– Roger Cady, MD & Paul Durham, PhD

10:15 – 10:45 am *East/West Great Hall*

Break with Exhibitors & Posters

10:45 am-12:00 pm *Salt River 4-5*

PLENARY 2

Clinical Management of the TMD Patient – Jeffrey Okeson, DMD

12:00 – 12:15 pm *Salt River 4-5*

Panel Discussion

12:15 – 1:45 pm

Lunch on Your Own

or;

LUNCH & LEARN 1 *Salt River 1-2*

(Additional Registration Required)

Managing the Patient who Self-Medicates (NSAIDs, caffeine, antiHist, EtOH, Cannabis, Opioids)

– Steven Scrivani, DDS, DMedSc

or;

LUNCH & LEARN 2 *Salt River 6-7*

Living with Pain From a Patient's Perspectives

– Patient Speaker and Moderator TBD

Residents & Recent Grads Luncheon

TBD

1:45 – 2:30

PLENARY 3

The Association Between Nutrition and OFP

– Riva Touger-Decker, PhD, RN, CDN, FADA

Salt River 4-5

2:30 – 3:15 pm

PLENARY 4

Treating TMD in the Presence of OSA – Dennis Bailey, DDS

Salt River 4-5

3:15-3:45 pm

Break with Exhibitors & Posters

East/West Great Hall

3:45-4:45 pm

PLENARY 5

The Bidirectional Relationship of Sleep and Pain

– Gilles Lavigne, DMD, PhD

Salt River 4-5

4:45 – 5:00 pm

Panel Discussion

Salt River 4-5

5:00 -5:45 pm

AAOP General Membership Meeting

Salt River 4-5

5:45-6:00 pm

New Members and Fellow Orientation

Salt River 4-5

6:00-9:00 pm

Presidents Reception

SATURDAY, MAY 6, 2017

7:00-8:00 am

Breakfast sessions – (Additional Registration Required)

BREAKFAST SESSION 3 *Salt River 1-2*

Physical Self-Regulation and the OFP Patient

– Charles Carlson, PhD

BREAKFAST SESSION 4 *Salt River 6-7*

Mandibular Repositioning Devices and Side Effects

– Andrew Smith, DDS

7:30-8:00 am *East/West Great Hall*

Continental Breakfast with Exhibitors & Posters

8:00-8:30 am *Salt River 4-5*

Welcome Remarks and Awards

– Gary Klasser, DMD, AAOP President

8:30-9:15 am *Salt River 4-5*

PLENARY 6

Management of Trigeminal Nerve Injury/Post-Traumatic Neuropathies – Eli Eliav, DMD, PhD

9:15-10:00 am *Salt River 4-5*

PLENARY 7

Why Patients Become Chronic Pain Patients

– Roger Cady, MD

10:00 -10:30 am *East/West Great Hall*

Break with Exhibitors & Posters

10:30-11:15 am *Salt River 4-5*

PLENARY 8

Red Flags with Headache as a Chief Complaint

– David Dodick, MD

11:15 am-12:00 pm *Salt River 4-5*

PLENARY 9

Watch Out for Zebras! Some Pains May be Life Threatening

– Parish Sedghizadeh, DDS, PhD

12:00-12:30 pm *Salt River 4-5*

Panel Discussion

12:30-2:00 pm

Lunch on Your Own

or;

LUNCH & LEARN 3 *Salt River 1-2*

(Additional Registration Required)

Bell's Palsy & Other Facial Paralysis Conditions

– Todd Henkelmann, PT, MS, CCTT

or;

LUNCH & LEARN 4 *Salt River 6-7*

Chronic Pain as a Global Problem Presented

by IASP SIG in OFP – Judith Turner, PhD

2:00-2:45 pm *Salt River 4-5*

PLENARY 10

Orofacial and Cervical Dystonia; Evidence based

Indications for Movement Reeducation

– Nancy Byl, PT, PhD

2:45-3:30 pm *Salt River 4-5*

PLENARY 11

The Fascinating New World of Tissue Engineering in the

Oral Cavity and TMJ's – Alireza Moshaverinia, DDS, PhD

3:30-4:00 pm *East/West Great Hall*

Break with Exhibitors & Posters

4:00-4:45 pm *Salt River 4-5*

PLENARY 12

Idiopathic Condylar Resorption/Progressive Condylar

Resorption: Recognition and Understanding

– Henry Gremillion, DDS, MAGD

4:45-5:15 pm *Salt River 4-5*

Panel Discussion

SUNDAY, MAY 7, 2017

8:00am-8:30am

Continental Breakfast

8:30-9:00 am *Salt River 4-5*

AAOP Sponsored Research Presenter 1

AAOP Sponsored Research Presenter 2

PLENARY SESSIONS:

9:00-9:45 am *Salt River 4-5*

PLENARY 13

Placebo and Pain – Luana Colloca, MD, PhD

9:45-10:30 am *Salt River 4-5*

PLENARY 14

Radiographic Imaging in OFP: See The Whole Picture

– Sotirios Tetradis, DDS, PhD

10:30-11:15 am *Salt River 4-5*

PLENARY 15

TMJ Degenerative Joint Disease

– Saravanan Ram, DDS, MS

11:15 am-12:00 pm *Salt River 4-5*

PLENARY 16

Osteonecrosis of the Jaw and OFP

– Parish Sedghizadeh, DDS, PhD

12:00 pm *Salt River 4-5*

Closing Remarks

FRIDAY, MAY 5 & SATURDAY, MAY 6, 2017

8:00 am – 5:00 pm

Salt River 3

Dental Assistants TMD Course

Catalina Morarasu, DDS, PhD, MS – Course Director

PRECONFERENCE WORKSHOPS

Preconference workshops I-IV will be held on Thursday, May 4, 2017 prior to the AAOP Core Scientific Meeting. These full day workshops require additional registration.

THURSDAY: MAY 4, 2017

Pre-Conference I: Comprehensive Review in Orofacial Pain *Salt River 1*

9:00 am – 4:00 pm

Program Fee: \$290.00

Gary Heir, DMD; et al

SYNOPSIS: No matter what our field or specialty of dentistry, the clinician must always be prepared to encounter the patient with pain. Pain management in dentistry depends on an accurate diagnosis. This review course will discuss basic concepts of orofacial pain. Material, including case presentations, will be suitable for clinicians of all levels. Come prepared for a lively discussion and share your knowledge. Participants will gain an understanding of an organized method for reviewing and assessing difficult cases as well as a review of basic orofacial pain concepts.

Pre-Conference II: Headache 101 *Salt River 2*

9:00 am – 4:00 pm

Program Fee: \$290.00

David Dodick, MD; et al

SYNOPSIS: An introduction and update on the diagnosis and treatment of headache as it relates to Orofacial Pain.

Pre-Conference III: Sleep Medicine 101 *Red Bird K-L*

9:00 am – 4:00 pm

Program Fee: \$290.00

Presenters: Dennis Bailey, DDS; et al

SYNOPSIS: Sleep Medicine and the role of the dentist is growing at a significant pace. Many dentists who manage sleep apnea and snoring patients need to do as comprehensive an evaluation as possible. This course is designed to highlight certain aspects of the clinical evaluation from both a didactic and hands-on approach.

Pre-Conference IV: Physical Therapy for Orofacial Pain: Cervical Muscle Pathology and Rehabilitation for Patients with Orofacial Pain *Dove H-I*

9:00 am – 4:00 pm

Program Fee: \$290.00

Moderators: Eveline Erni, PT, CMA, MA, CCTT, CODN; Patricia Rudd, PT, DPT, CCTT

Presenters: Paul Durham, PhD, MS; Nancy Byl, PT, MPH, PhD, FAPTA; Michael Karegeannes, PT, MHSc, LAT, MTC, CFC, CCTT, CMTPT

SYNOPSIS: The morning session will give the orofacial pain specialist new and exciting information about recent research of cervical muscle pathology and its correlation to orofacial pain. In addition, research presentation on cervical and oral dystonia will add to the clinicians understanding and the ability to recognize these movement disorders and comprise an adequate treatment plan. The afternoon session will focus on comprehensive and evidence based cervical spine muscle rehabilitation for patients with orofacial pain.

SCHEDULE OUTLINE:

9:00 am Introduction to Topic/Faculty & Overview

9:30 am Cervical Muscle Pathology and Orofacial Pain."

SYNOPSIS: (confirmed by speaker) In my presentation, I will discuss how cervical muscle pathology promotes cellular changes that increase the risk of development of a chronic pain state involving sensitization of trigeminal ganglion neurons. Specifically, I will present data to demonstrate that cervical muscle pathology/inflammation promotes neuron-glia activation associated with central sensitization in the upper spinal cord that leads to peripheral sensitization of primary trigeminal nociceptors - bidirectional signaling. The role of elevated spinal cord levels of the neuropeptide CGRP in mediating central and peripheral sensitization in models of migraine and TMD pathology will be discussed. In addition, the differential effect of gender will be highlighted to help explain the higher prevalence of orofacial pain in females.

10:00 am Specific Topic TBD

12:00 pm Lunch on your own

1:00 pm Therapeutic Exercises for Patients with Headache and Chronic Cervical Pain.

It is now known that patients with tension-type or cervicogenic headache, as well as chronic neck pain present with an array of neuromuscular changes that are not substantially different from those observed in patients with mechanical neck pain. Studies have reported that patients with cervicogenic headache and chronic neck pain showed deficits in strength and endurance of cervical flexor and extensor muscles. (Watson and Trott, 1993; Dumas et al., 2001; Jull et al., 2007a). Therefore, low-load therapeutic exercises emphasize motor control rather than muscle strength are advocated for an effective management of patients presenting with cervicogenic and tension-type headache, as well as chronic cervical pain. This lecture/lab aims to cover this topic and provide specific cervical and scapular exercises to reduce or eliminate head, neck and face pain.

BREAKFAST SESSIONS

These sessions include a plated breakfast and CE lecture that requires additional registration of \$80.00 per session. On Friday and Saturday there are two breakfasts that run concurrently each day. Please select only session for each day as you will only be able to attend one session each day. These sessions offer a smaller setting and therefore registration is limited. Each session offers 1 hour of CE.

FRIDAY, MAY 5, 2017

7:00 am – 8:00 am

BREAKFAST SESSION 1

Dental Management of Occlusal Dysesthesias

Henry Gremillion, DDS, MAGD

or

BREAKFAST SESSION 2

The Business of Orofacial Pain –

Joseph R. Cohen, DDS

Salt River 1-2

Salt River 6-7

SATURDAY, MAY 6, 2017

7:00 am – 8:00 am

BREAKFAST SESSION 3

Physical Self-Regulation and the Orofacial Pain Patient

Charles Carlson, PhD

or

BREAKFAST SESSION 4

Mandibular Repositioning Devices and Side Effects – Andrew Smith, DDS

Salt River 1-2

Salt River 6-7

LUNCH AND LEARN SESSIONS

These sessions include a plated breakfast and CE lecture that requires additional registration of \$85.00 per session. On Friday and Saturday there are two Lunch Sessions that run concurrently each day. Please select only session for each day as you will only be able to attend one session each day. These sessions offer a smaller setting and therefore registration is limited. Each session offers 1.5 hours of CE.

FRIDAY, MAY 5, 2017

12:15 – 1:45 pm

LUNCH & LEARN 1

Managing the Patient who Self-Medicates (NSAIDs, caffeine, antiHist,

EtOH, Cannabis, Opioids)

Steven Scrivani, DDS, DMedSc

or

Lunch & Learn 2

Living with Pain from a Patient's Perspectives

Patient Speaker and Moderator TBD

Salt River 1-2

Salt River 6-7

SATURDAY, MAY 6, 2017

12:30 – 2:00 pm

LUNCH & LEARN 3

Bell's Palsy & Other Facial Paralysis Conditions

Todd Henkelmann, PT, MS, CCTT

or

LUNCH & LEARN 4

Chronic Pain as a Global Problem Presented by IASP SIG in OFP

Judith Turner, PhD

Salt River 1-2

Salt River 6-7

DENTAL ASSISTANT AND AUXILIARY PROGRAM

Dental Assisting and Patient Management in the Orofacial Pain Practice

Salt River 3

Program Fee: \$300.00

Dates: May 5 – 6, 2017

Time: 8:00 am – 5:00 pm

The Academy of Orofacial Pain is proud to continue providing courses for the assistants and auxiliary of facial pain and TMD practices. The course will enhance the staff's ability to improve the office outcome and increase patient flow by decreasing the time TMD and facial pain practitioners spend with patients thereby increasing office productivity.

Course Director: *Catalina Morarasu, DDS, PhD, MS*

DENTAL ASSISTANT AND AUXILIARY PROGRAM SCHEDULE

FRIDAY, MAY 5, 2017

7:30 – 8:00 am	Registration and Continental Breakfast
8:00 – 9:00 am	Clinical Examination in TMD and Orofacial Pain Conditions (hands-on). <i>William Butcher, DDS, MS, Diplomate ABOP</i>
9:00 – 10:00 am	Evidence-Based Principles in the Treatment of TMD and Orofacial Pain (with demonstration and hands-on regarding relaxation). <i>Vanessa Benavent, DDS, MS; Diplomate ABOP; Fellow AAOP, FAGD</i>
10:00 – 10:30 am	Break with the Exhibitors
10:30 – 11:30 am	TBD. <i>Aurelio Alonso, DDS, MS, PhD; Diplomate ABOP; Fellow AAOP</i>
11:30 am – 1:00 pm	Lunch on your own
1:00 – 2:00 pm	Psychosocial Factors Affecting Patient Care in Orofacial Pain. <i>Subha Giri, DDS, MS, PhD; Diplomate ABOP; Fellow AAOP</i>
2:00 – 3:00 pm	Complete Clinical Interview in the Context of Psychosocial History Gathering (mock cases and hands-on). <i>Subha Giri, DDS, MS, PhD; Diplomate ABOP; Fellow AAOP</i>
3:00 – 3:30 pm	Break with the Exhibitors
3:30 – 4:30 pm	Dental Sleep Medicine and oral appliance therapy (practical guidelines on the fit and the adjustment of the oral appliances). <i>Mayoor Patel, DDS, MS, Diplomate ABOP, ABDSM, Fellow AAOP</i>
4:30 – 5:30 pm	CBCT use for the evaluation and management of TMD and OSA (how to avoid positional errors). <i>Mayoor Patel, DDS, MS, Diplomate ABOP, ABDSM, Fellow AAOP</i>

SATURDAY, MAY 6, 2017

7:30 – 8:00 am	Registration and Continental Breakfast
8:00 – 9:00 am	Current Strategies in the Pharmacological Management in the Treatment of TMD and Orofacial Pain (Botox, Opioids, Marijuana). <i>Ivonne Hernandez, DDS, MS; Diplomate ABOP; Fellow AAOP</i>
9:00 – 10:00 am	TMD Self-Management Therapies. <i>Edward Wright, DDS, MS; Fellow AAOP; AAOP Past President</i>
10:00 – 10:30 am	Break with the Exhibitors
10:30 am – 12:30 pm	What is New on Medical Billing for Orofacial Pain and Dental Sleep Medicine. <i>Rose Nierman-Nierman Practice Management</i>
12:30 – 1:30 pm	Lunch on your own
1:30 – 3:00 pm	What dental assistants should know about differential diagnosis of Headaches. <i>Antonio Romero, DDS, PhD; Diplomate ABOP, Fellow AAOP</i>
3:00 – 3:30 pm	Break with the Exhibitors
3:30 – 4:30 pm	Physical Therapy Exercises the Dental Assistant Can Demonstrate in the Office for the TMD and Orofacial Pain Patient (hands-on). <i>Catalina Morarasu, DDS, PhD, MS; Diplomate ABOP, ABDSM; Fellow AAOP</i>
4:30 – 5:00 pm	Adjourn. Certificates Presentation

CALL FOR POSTER PRESENTATIONS

2017 Poster Committee Chair:

Brijesh P Chandwani, DMD, BDS
493 Westport Ave
Norwalk, CT 06501
Email: brijesh.chandwani@gmail.com
Phone: 203-256-8073

The AAOP invites members and non-members who are clinicians, researchers, basic scientists and students to submit abstracts to be considered for poster presentation at the AAOP 2017 Annual Scientific Meeting at the Talking Stick Resort in Scottsdale, FL. Meeting dates are May 4-7, 2017. Poster display dates are May 5-6, 2017. Abstracts should report completed investigations that contribute to education, research, and clinical practice. The presenting author of an accepted abstract must register for the meeting and is required to be present at the requested time by the organizing scientific committee.

Criteria for Selection

- Abstracts must be original scientific material that has not been previously published or presented at any other national or international meeting.
- The scientific committee will give high preference to original clinical or basic research abstracts of Randomized Controlled Trials and Observational Studies (Cohort study, Case control study).

The body of the abstracts must not exceed 250 words and must contain the following eight sections IN THIS ORDER and labeled as noted:

- Title:** (Title text should be in bolded font. Capitalize the first word, last word, all significant words and all proper nouns contained in the title and sub-title. Do NOT use all capitals. Clearly indicate the nature of the study in the title (i.e.: case-control, randomized controlled trial, etc.).

- Author(s):** (Authors should be listed by last name, followed by first name initials, after the abstract title. The name of the presenting author should be underlined).
- Affiliations:** (Indicate any affiliations to a University/College or Private Practitioners and city).
- Aim of Investigation:** (aims/purpose, hypotheses, and goals of the investigation).
- Methods:** (brief description of experimental procedures including statistics, study design and analysis).
- Results:** (findings of statistical analysis).
- Conclusions:** (one or two major conclusions that are supported by results)
- Acknowledgements and/or Funding Source:** (include reference to grant support, (including grant number), and disclosure of any financial relationship the author may have with the manufacturer/supplier of any commercial products or services).

Submission Requirements:

All abstracts MUST be accompanied by the Abstract Submission Form.

For Complete Submission Guidelines and Forms, please visit www.aaop.org and select meetings/2017 and then the poster submission link.

Submit via email to: admin@aaop.org

All accepted submitters are required to register for the meeting.
All submissions will be reviewed by the AAOP Abstract Committee.

DEADLINE: January 15, 2017

(late submissions will not be considered)

NOTIFICATION SENT: February 15, 2017

GENERAL INFORMATION

HOW TO REGISTER

You may register by completing and mailing or faxing the Conference Registration form to the AAOP office or register online through the AAOP website (www.aaop.org). **AAOP members must login to the website prior to attempting register for the meeting online in order to receive the member discount and be recognized as a member registrant.**

The registration fee includes: admission to the May 5-7, 2017 plenary scientific sessions, daily continental breakfast, refreshment breaks, and the President's Reception on Friday evening. **Additional fees are required for May 4th preconference workshops and the May 5th & 6th breakfast sessions and lunch sessions.** Please forward any dietary restrictions to aaopexec@aaop.org.

EXHIBITS

Educational and informational displays of companies relevant to the treatment of orofacial pain and/or your practice will be available for viewing and interaction during the conference. The American Academy of Orofacial Pain gratefully acknowledges the support of the 2015 & 2016 meetings and AAOP's objectives from the following companies:

Airway Metrics, LLC
 AES
 Elsevier Publishing
 Allergan, Inc.
 Dolor Technologies
 Dream Systems Dental Lab
 Face Wrap Systems
 Internal Returns Resources
 JawDropper
 Johns Dental Laboratory
 Lightforce Therapy Lasers
 LSU Health Continuing Dental Education
 Myofunctional Research Co.
 National Headache Foundation
 Nierman Practice Management
 Oasys/Dream Systems
 Physical Therapy Board
 QmedRx
 Quintessence Publishing Co., Inc.
 Rainbow Specialty & Health Products
 Renew Digital
 Restful Jaw Company
 Sleep Group Solutions
 SomnoMed
 Strong Dental

PHYSICAL CHALLENGES

The American Academy of Orofacial Pain wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently than other individuals because of the absence of auxiliary aids or services. If you need any auxiliary aids or services identified in the American with Disabilities Act, please contact Kenneth Cleveland, AAOP Executive Director, at 609-504-1311, or write to him at AAOP Headquarters, 174 S. New York Road, POB 478, Oceanville, NJ 08231 or aaopexec@aaop.org

ATTIRE

Attire for the conference is business casual. Meeting room temperatures often vary during the course of the meeting, so please plan accordingly

QUESTIONS

If you have any questions or need additional information, please contact the AAOP office at 609-504-1311 or admin@aaop.org.

HOTEL AND RESORT INFORMATION

The AAOP 2017 Scientific Meeting will be held at the Talking Stick Resort in Scottsdale, AZ. AAOP has secured a rate of \$169.00++/night single and double occupancy for this meeting. This room block is being held until April 1, 2017. After this date or when the block is full, reservations will be at the market rate and subject to availability, so make your reservations early by booking online via our custom meeting weblink: <https://bookings.ihotelier.com/Talking-StickResort/bookings.jsp?groupID=1705848&hotelID=73351> or the AAOP website at www.aaop.org and select the meetings tab/AAOP 2017 or call Talking Stick at 866-877-9897 and ID your staff as AAOP attendees.

Talking Stick Resort is a top meeting venue recognized by several awards:

- 2015 Pinnacle Award in the "Hotel & Resorts Southwest" category by readers of Successful Meetings Magazine
- 2015 Platinum Choice Award by Smart Meetings Magazine
- 2014 Gold Key Award by subscribers of Meetings & Conventions (M&C). The Gold Key Award has set the bar for excellence among industry awards. Meeting professionals have relied on the Gold Key mark to symbolize outstanding meeting facilities worldwide for over three decades.
- One of the Top 100 Most Popular Meeting Resorts by Cvent, Inc.

From gaming and golf to arts and entertainment, Talking Stick Resort has amazing options for meeting and conference attendees to make the most of their experience.

Talking Stick Resort is located just minutes from the Scottsdale Fashion Square Mall, as well as many boutiques, museums and galleries in Old Town Scottsdale. It's also just a quick drive to downtown Phoenix to catch the Phoenix Suns or Arizona Diamondbacks in action and the NHL's Phoenix Coyotes play in nearby Glendale. The Phoenix-Scottsdale area offers numerous activities and attractions for visitors.

GENERAL INFORMATION

**SPA**

After soaking up the Arizona sun, guests can pamper themselves in The Spa at Talking Stick™. Located on the 14th floor, The Spa is the ultimate in world-class rejuvenation. With private rooms offering guests unparalleled views of Scottsdale plus floor to ceiling windows, there is simply no better place to relax and refresh. Enjoy a relaxation and serenity lounge, spacious steam room and a fully-equipped fitness facility that is open 24/7 to guests of the resort hotel.

The Spa at Talking Stick is truly a unique experience because it features products made with ingredients that are culturally significant to the heritage and traditions of the Salt River Pima-Maricopa Indian Community. These ingredients are harvested from the community gardens for use in treatments and services.

GOLF

Talking Stick Golf Club challenges golfers of all skill levels with two unique courses. From a links-style adventure through the grasslands on the North Course, to a traditional style of play on the tree-lined fairways on the South Course, both provide a memorable and challenging day of play.

Talking Stick Golf Club is managed by Troon Golf, the leader in upscale golf course management, and features an elegant clubhouse, full service dining room and private dining areas for groups of all sizes. A complete practice facility is available for all guests, as well as premier golf instruction from the Tim Mahoney Golf Academy.

DINING AND ENTERTAINMENT

Talking Stick Resort offers six amazing dining venues. These include:

- Wandering Horse Buffet™ - Our incredibly popular multi-stationed international buffet.
- Black Fig Coffee & Bistro™ - Express-service deli and cafe.
- Blue Coyote Cantina™ - Southwestern-inspired menu with tacos, cocktails and more.
- Blue Coyote Cafe™ - American cuisine and sushi available 24/7.
- Ocean Trail™ - Sophisticated seafood bar near the gaming floor.
- Orange Sky™ - Fine dining featuring aged beef, fresh seafood and 360-degree views of Scottsdale.

In addition to unique dining options, guests can select from an array of entertainment choices, including a 650-seat Showroom™ offering live entertainment. Other entertainment hot spots in the hotel include Players Sports Bar™, Shadows™, a martini and cigar bar, Palo Verde Lounge™ on the casino level and Degree 270™, a chic lounge located on the 14th floor of the hotel.

CULTURAL CENTER

An art exhibition at a casino? Absolutely. Talking Stick Resort's art collection showcases postmodern pieces by artists of Native American descent, including those of Pima and Maricopa ancestry.

The collection includes works from masters of the arts of painting, sculpture, metal work, ceramics, basketry and printmaking, as well as new additions of historical photography, custom pieces for Talking Stick Resort and two talking sticks that reflect the history of the Pima and Maricopa communities. Our unique exhibit blends tribal art with cutting edge modernism. Some artists are professional and familiar to general audiences, some are emerging and others are wonderful discoveries of new talent.

The AAOP President's Reception will be held Friday night from 6:00-9:00 PM and there are no official AAOP events scheduled for Saturday evening. We encourage you to attend the AAOP President's Reception on Friday and utilize Saturday evening to experience all that the Scottsdale/Phoenix area has to offer. Additional resources are listed below to help you make the most of your visit to the Scottsdale/Phoenix area.

www.experiencescottsdale.com

The concierges at Experience Scottsdale are here to help you make the most of your Scottsdale vacation. Our destination experts can help you find restaurants, golf courses, art galleries, recreation options, shopping venues and more. They also can provide information on exciting special events taking place during your stay. Stop by our Tourist Information Center located at Scottsdale Fashion Square in downtown Scottsdale.

www.visitphoenix.com

Phoenix makes meetings memorable. Hotels and resorts bask in near-perpetual sunshine. Jaw-dropping sunsets paint the desert sky on a nightly basis. And the Phoenix Convention Center sits in the middle of a walkable downtown filled with independent restaurants, craft brewpubs and live-music venues



MEMBERSHIP INFORMATION

AAOP Mission

The American Academy of Orofacial Pain, an organization of dentists and allied health care professionals, is dedicated to alleviating pain and suffering through the promotion of excellence in education, research and patient care in the field of orofacial pain and associated disorders.

AAOP Aims and Purposes

To establish acceptable criteria for the diagnosis and treatment of orofacial pain and temporomandibular disorders. To stress the significant incidence of orofacial pain problems for both medical and dental professions. To provide a base for annual meetings for the dissemination of research and treatment for orofacial pain and temporomandibular disorders. To support the Journal of Orofacial Pain stressing research and current studies on orofacial pain and temporomandibular disorders. To encourage and stress the study of orofacial pain and temporomandibular disorders at undergraduate and postgraduate levels of dental education. To provide a common meeting ground for world-wide authorities on orofacial pain and temporomandibular disorders. To encourage hospitals and dental schools to establish centers for treatment of orofacial pain and temporomandibular disorders. To encourage research and evaluation of equipment and procedures.

Benefits of AAOP Membership

- **Continuing Education.** AAOP's Annual Scientific--Meetings features cutting edge scientific knowledge with clinical take home value at a significant member discount. Members are also invited to attend member only symposia and workshops such as the Dental Sleep Medicine Symposium that was offered this past October. AAOP is working to develop mini-residencies, special interest groups and online continuing education. AAOP members are also invited to attend sister academy meetings around the world at the sister academy member rate. Members are encouraged to attain certification by the American Board of Orofacial Pain (ABOP) which is a requirement for elevation to Fellow of the Academy status. (ABOP is a separate organization who administers a board exam in orofacial pain)
- **Journal & Newsletter Subscription.** Subscription to the *Journal of Oral & Facial Pain and Headache, Complimentary Orofacial Pain Guidelines*, and the *AAOP Newsletter* including an online archive of past news. (Please note that student members do not receive the journal and/or guidelines)
- **The AAOP Website & Member Directory.** Inclusion in the AAOP Member Directory features a personalized profile page that can be linked with your professional website and all of your social media outlets. You control what information is presented to the public and to members.
- **Professional Networking & Development.** AAOP offers access to world renowned leaders in the fields of OFP, TMD, Headache, Sleep and other associated disorders. As a member you will have access to the Member Forum/List-serve, important professional development documents such as the OFP/ICD-10 Guide and information on the AAOP Member Directory that is not publically available. Whether you have a technical question, billing issue or are looking to expand your practice, AAOP leaders are available to assist you and our archive of documents is at your fingertips.
- **Patient Referrals and Information.** Prospective patients are visiting the AAOP website and looking for you. In addition the AAOP office is contacted directly by 100-200 prospective patients each year and they are directed to the member(s) nearest them. Various Patient Education Brochures are available at a nominal cost to AAOP members. Additional patient information is posted online.
- **Leadership/Participation.** All AAOP members are eligible to vote for academy officers/directors and on all important policy decisions. AAOP encourages its members, with an interest, to get involved in one of our committees. Your knowledge and opinions matter to us and your level of involvement is up to you. AAOP offers an annual leadership development program at no cost to its members.
- **Research and Training.** AAOP actively and financially supports research via annual grants. These grants are open to all professionals but the results of this research reaches AAOP members first. AAOP is also active within the dental school community. AAOP maintains the position of leadership within CODA when reviewing Orofacial Pain Programs at dental schools across the United States. Orofacial pain program directors meet annually at the AAOP meeting to discuss the current trends in OFP education and training.
- **Camaraderie.** AAOP is first and foremost about people. Many lifelong friendships and professional relationships have been fostered via AAOP membership. For 40+ years professionals like you have been coming to AAOP for scientific knowledge, clinical insights and the support of fellow colleagues.

AAOP Membership Categories

- All members of the American Academy of Orofacial Pain {Academy}, including any and all categories of membership in the Academy, must agree to abide by the bylaws of the Academy.
- All members of the Academy, including any and all categories of membership in the Academy, must agree to abide by the Code of Conduct of the American Academy of Orofacial Pain and be willing to work within the Academy's "Objectives" to promote the best interest and ideals of the Academy throughout said membership.
- All Members of the Academy with the exception of the Retired, Life/Life Fellow & Honorary Membership categories must be a permanent resident of the United States of America, Canada, Mexico, Bermuda, the Bahamas or an independent Caribbean nation or
 - Be a member in good standing of one of the Sister Academies as per the current Sister Academy Agreement regarding membership, or
 - Have been a continuous member in good standing of AAOP and joined prior to 1987.

Active Members

Be a licensed dentist (DDS, DMD or equivalent degree) or be a licensed physician (MD, DO or equivalent degree) or be a non-dental or non-physician allied health care professional or researcher in good standing within the state or country within which they practice. Active Members shall possess the right to hold office, serve on the Academy Council or chair a committee. Active Members shall possess the right to vote in the election of officers, at the annual membership business meeting and for all items required to be presented to the membership of the academy for further action. Regular payment of dues is a requirement for maintenance of Active membership in the Academy.

Student/Initiatory Members

Shall be a current full-time dental or post-graduate dental student in good academic standing, and one of the following: (1) a licensed dentist (D.D.S., D.M.D. or equivalent degree) in good standing within the state or country within which they practice and a current participant of an Academy recognized post-doctoral full-time university residency program, or (2) a licensed dentist (D.D.S., D.M.D. or equivalent degree) in good standing within the state or country within which they practice and a graduate within the past 12 months of an Academy recognized post-doctoral full-time university residency program or (3) a full time, current undergraduate dental student with interest in temporomandibular disorders and/or orofacial pain or (4) be a licensed dentist (D.D.S., D.M.D. or equivalent degree) in good standing within the state or country within which they practice and enrolled in, or successfully completed within the past 12 months, an orofacial pain post-graduate or residency program not

described above and approved by council for student/initiatory membership. A full-time orofacial pain post-graduate or residency program must be consistent with current CODA accreditation standards. Student/Initiatory Members may serve on or chair a committee. Student/Initiatory Members shall possess the right to vote in the election of officers, at the annual membership business meeting and for all items required to be presented to the membership of the academy for further action. Student/Initiatory Members shall have all the add'l benefits of membership except a subscription to the AAOP designated journal. Regular payment of dues is a requirement for maintenance of Student/Initiatory membership in the Academy. Student/Initiatory Memberships must be transitioned to active membership within (12) months of completing their program and/or within (4) four years from date of joining.

Additional Membership Categories

Fellow, Retired, Life and Honorary Membership are elevated categories of membership available to members upon completion of additional criteria as stated in the AAOP Bylaws.

Additional Membership Criteria

In addition to the stated criteria listed in Membership Categories, Members Shall:

- Agree to adhere to the Academy's Code of Conduct.
- Be willing to work within the Academy's Objectives to promote the best interest and ideals of the Academy.
- Be approved by Council upon recommendation of the Membership Committee.
- Upon approval by Council, the membership at-large will be notified by written or electronic means of the pending applications and barring any written objection they will be accepted as members. If any objections are received, the application will be returned to the Membership Committee for further consideration.
- Pay all annual dues as set by the Council on a yearly basis.

Please see the AAOP Bylaws on-line for additional Membership Information and also see the AAOP Statement of Aims and Purposes, Code of Conduct and Position Papers. Visit www.aaop.org.

Dues

The AAOP membership year is January 1st - December 31st. Members joining after September 1st of any year will receive the final few months of the current year at no additional cost.

Active: Student/Initiatory Enrolled:
\$475.00 \$250.00

Application on Reverse!



American Academy Of Orofacial Pain

MEMBERSHIP APPLICATION

Please carefully review the membership information on previous page.

Membership Category: Select Your Membership Category

- Active: \$475.00
 Student/Initiatory: \$250.00

Your Demographic Information:

Name _____
Last Name First Name Middle Initial Credentials

Office Address _____

_____ City State Zip Code

Country (if not USA) _____

(_____) _____ (_____) _____
Work Fax

Email address _____

Home Address _____

_____ City State Zip Code

(_____) _____ (_____) _____
Home Phone Fax

Email address _____

Date of Birth _____

Preferred mailing address (check one) Office Home

Your Licenses, Education Degrees

1. List State/Country Licenses:

2. Type of Degree: _____ Year Received: _____

School _____

3. Type of Degree: _____ Year Received: _____

School _____

4. Type of Degree: _____ Year Received: _____

School _____

A. Your Practice and Certification:

Years in practice _____

Focus of practice _____

Percent of time devoted to Orofacial Pain patients _____%

Are you certified by the American Board of Orofacial Pain?

- Yes No

If other Boards, please list _____

B. Please check and send or have sent to AAOP office:

- Completed application form
 Payment
 Program Director Letter (**Students Only** please send a brief letter from your program director verifying student status and expected date of program completion)

C. Attestation of Applicant:

By signing below, the applicant agrees to the policies and code of conduct and ethics of the American Academy of Orofacial Pain, and strive to promote the "Mission" and "Aims and Purposes" of the Academy. The applicant further agrees to provide the Academy with any materials it or the Membership Committee deems necessary.

Applicant Signature: _____

Print Name: _____

D. Payment

Dues Amount for Membership Type: \$ _____

Voluntary Research Fund Donation: \$ _____

Total: \$ _____

(If you choose to FAX your application, DO NOT send the original by mail as doing so may result in duplicate charges to your credit card.)

- Check (US currency drawn on US bank)
 VISA MasterCard American Express

Credit Card # _____

Exp. Date _____ Validation Code _____

Name of Card Holder _____

Authorized Signature _____

Your Credit Card Statement will read "AAOP"

PLEASE SEND COMPLETED PACKETS TO:

AAOP Membership Chair

174 S. New York Rd., POB 478, Oceanville, NJ 08231

609-504-1311; Fax: 609-573-5064

aaopxec@aaop.org or through www.aaop.org

Join AAOP today! www.aaop.org

AAOP 41st Scientific Meeting
May 4 – 7, 2017 – Talking Stick Resort – Scottsdale, AZ

REGISTRATION FORM

For additional information or assistance with this form, telephone: 609-504-1311. **Online registration is available at www.aoop.org**
 Or you may mail completed form to AAOP Registration, 174 S. New York Rd., POB 478, Oceanville, NJ 08231 or fax it to 609-573-5064 or email: exec@aaop.org

CONTACT INFO: (please print or type) _____

Please check if assistance is needed 

Dr./Prof./Mr./Ms. _____ Last Name _____ First Name _____ M.I. _____ Degree _____

Affiliation _____

Position/Title _____ Department _____

Address _____

City _____ State/Province _____ Postal Code _____ Country _____

Telephone _____ Email _____

Guest Name (Social Function admission) _____

Dietary Restrictions _____

REGISTRATION CATEGORIES AND FEES After **Advance Registration Deadline: April 14, 2017**. Registration is for main conference **May 5-7, 2017** and includes all plenary sessions & social events. After **April 14, 2017**, registration must be paid on-site. See complete on-site fee schedule below.

Please check one:	Early Bird Through 1/31/17	Advance Reg 2/1 - 3/28/17	On-Site After 4/14/17	
<input type="checkbox"/> AAOP Members (<input type="checkbox"/> Active or <input type="checkbox"/> Fellow)	\$625.00	\$725.00	\$750.00	\$ _____
<input type="checkbox"/> AAOP Life Members	\$450.00	\$525.00	\$525.00	\$ _____
<input type="checkbox"/> Sister Academy Members	\$625.00	\$725.00	\$750.00	\$ _____
<input type="checkbox"/> Non-Members	\$800.00	\$900.00	\$925.00	\$ _____
<input type="checkbox"/> Student Members	\$375.00	\$375.00	\$375.00	\$ _____
<input type="checkbox"/> Student Non-Members (Full time students only-verification reqd)	\$475.00	\$475.00	\$475.00	\$ _____
<input type="checkbox"/> Spouse/Guest	\$ 50.00	\$ 50.00	\$100.00	\$ _____

PRE-CONFERENCE WORKSHOPS (Registration for 1)

Thursday, May 4, 2017

- Pre-Conference I \$290.00 \$ _____
ABOP Board Exam Review Course
- Pre-Conference II \$290.00 \$ _____
Headache 101
- Pre-Conference III \$290.00 \$ _____
Dental Sleep Medicine
- Pre-Conference IV \$290.00 \$ _____
Physical Therapy for OFP

BREAKFAST FORUMS (Registration is 1 per day)

- Friday, May 5, 2017** \$80.00 each \$ _____
- #1 Dental Management of Occlusal Dysesthesias
- #2 The Business of OFP

Saturday, May 6, 2017 \$80.00 each \$ _____

- #3 Physical Self-Regulation & the OFP Patient
- #4 Mandibular Repositioning Devices & Side Effects

LUNCH & LEARN SESSIONS (Registration is 1 per day)

- Friday, May 5, 2017** \$85.00 each \$ _____
- #1 Managing the Patient Who Self-Medicates
- #2 Living with Pain From a Patient's Perspective
- Saturday, May 6, 2017** \$85.00 each \$ _____
- #3 Bell's Palsy & Other Facial Paralysis Conditions
- #4 Chronic Pain as a Global Problem

DENTAL AUXILIARY / ASSISTANT COURSE

- Friday & Saturday, May 5-6, 2017**
- Dental Assistant/Auxiliary Course \$300.00 \$ _____

Total (Registration/Workshops/Forums/etc) \$ _____

METHOD OF PAYMENT

If you require special payment arrangements please contact the office at 609-504-1311.

- Enclosed is a check **payable to AAOP**. Checks must be payable in U.S. Dollars and issued by a U.S. Correspondent Bank. Each registrant is responsible for any and all bank charges. A \$50.00 processing fee will be charged for checks returned unpaid.
- I wish to pay my fees by **credit card**. Please note: this charge will appear on your statement as "AAOP".
 - Amex (15 digits) Master Card (16 digits) Visa (16 digits)

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Expiration Date: ____ / ____ Validation Code _____ (3 digit code on the back of V/MC and 4 digit on front of AMEX)

Address associated with the Card if different from address listed above: _____

Name on Card (please print): _____

Authorizing Signature: _____

Note: Registrations paid by credit card may be faxed to 609-573-5064. Keep a copy of your fax transmittal confirmation for your record. If faxing, do not mail the original form. Doing so may result in duplicate charges to your credit card. Please do not email your credit card information.

CANCELLATION POLICY

If you must cancel your registration, all requests must be received in writing by AAOP Registration or via email to aaopexec@aaop.org or faxed to the number above and postmarked or transmitted electronically no later than **April 14, 2017**. All fees paid will be refunded minus a \$50.00 processing fee. **There will be no refunds after April 14, 2017**

REGISTER ONLINE at www.aoop.org
RETURN THIS COMPLETED FORM WITH PAYMENT TO:
AAOP REGISTRATION
174 S. New York Rd., POB 478
Oceanville, NJ 08231
E-mail: aaopexec@aaop.org
P: 609-504-1311, F: 609-573-5064
www.aoop.org



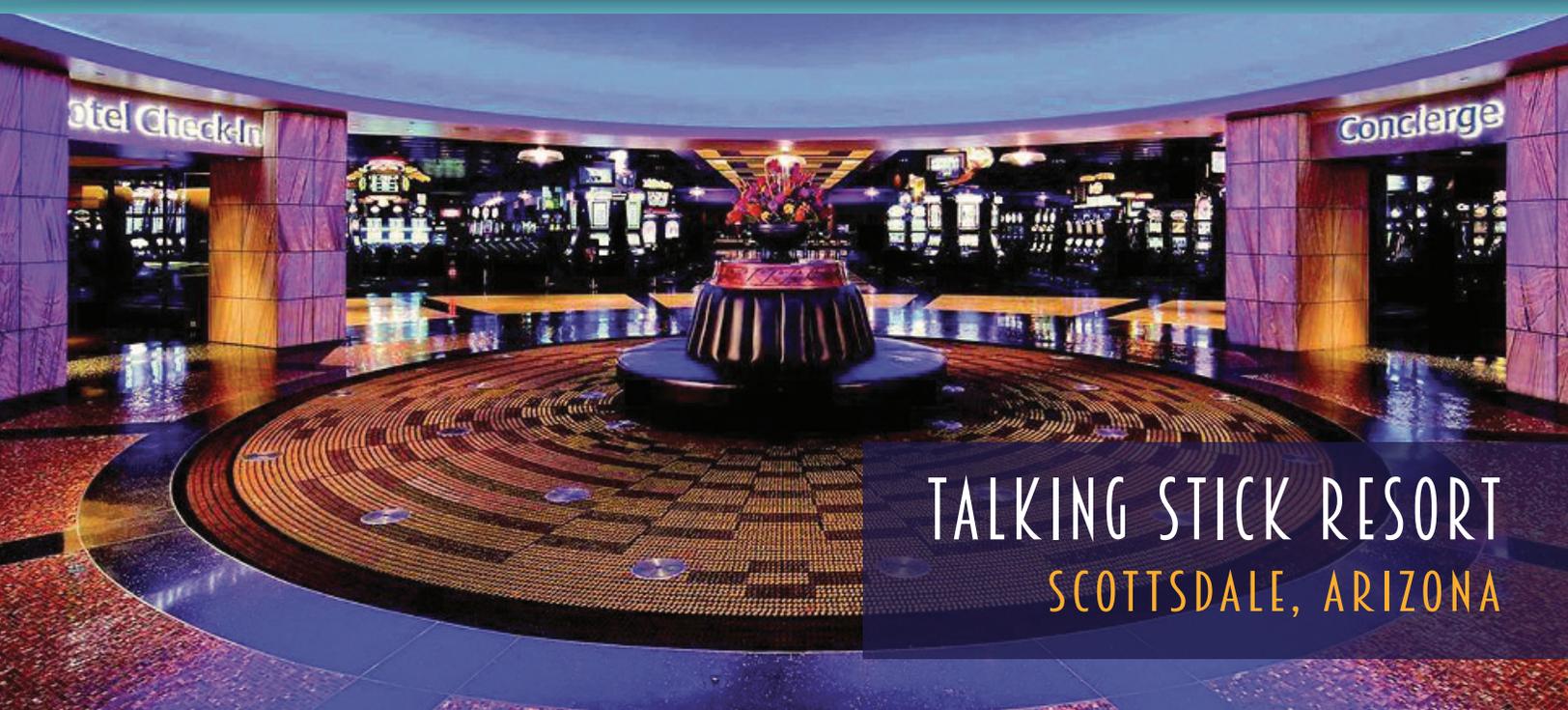
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Join AAOP Today!
www.aaop.org



AMERICAN ACADEMY OF OROFACIAL PAIN

AAOP 41st SCIENTIFIC MEETING



TALKING STICK RESORT
SCOTTSDALE, ARIZONA