



American Cleft Palate-  
Craniofacial Association

CHANGING

PERSPECTIVES

## PROGRAM

ACPA's 74<sup>th</sup>  
Annual Meeting

The Broadmoor  
Colorado Springs, CO

March 13-18, 2017



American Society  
of  
Craniofacial Surgery  
24<sup>TH</sup> ANNUAL MEETING

# Continuing Medical Education

The ACPA's 74th Annual Meeting will focus on Changing Perspectives while exploring advances in research, clinical and team-driven care of patients. Attendees will learn from colleagues across multiple disciplines and discuss new and old ideas with those experienced in the field. ACPA's Annual Meeting is intended for health care professionals who treat and/or perform research on oral cleft and craniofacial conditions and all who are interested in cleft care and improving patient care and outcomes.

Educational Objectives: Each learner will be able to discuss new topics and advancements in research, clinical and team driven care of patients with cleft and craniofacial anomalies. Each learner will be able to identify and consider various clinical techniques, research findings, and improvements in team care for affected individuals. Each learner will be able to understand the challenges of outcomes reporting, team coordination, and managing patient treatment and considering possible solutions. Each learner will be able to incorporate ideas learned from colleagues across multiple disciplines, teams and locations to better serve their patients through team care.

You must register, pay, attend and evaluate each meeting component you would like credit for. Evaluations may be found here: [meeting.acpa-cpf.org/evaluations.html](http://meeting.acpa-cpf.org/evaluations.html). You will need your member ID, which can be found on your meeting badge.

	ASHA	CNE*	ACCME	Instructional Level
Convention	1.85 CEUs	18.5 hours	18.5 hours	Variable
Study Sessions (2 sessions)	0.15 CEUs each	1.5 hours each	1.5 hours each	Variable
Eye Openers (2 sessions)	0.1 CEUs each	1 hours each	1 hours each	Variable
Pre-Conference Symposium	0.7 CEUs	7 hours	7 hours	Intermediate
One-Day Listener Training Workshop	0.65 CEUs	6.5 hours	6.5 hours	Intermediate
Leadership Seminar	0.35 CEUs	3.5	3.5	Beginner
Posters	n/a	3	n/a	Variable
<b>Maximum Available Credits</b>	<b>4.05</b>	<b>43.5</b>	<b>40.5</b>	



The American Cleft Palate Craniofacial Association is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

## AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

This program is offered for 4.05 CEUs (Various Levels, Professional Area).

## CONTINUING MEDICAL EDUCATION



Accreditation Statement: The American Cleft Palate–Craniofacial Association (ACPA) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement: ACPA designates this educational activity for a maximum of **40.5 AMA PRA Category 1 Credits™**. Physicians should only claim credits commensurate with the extent of their participation in the activity.

When you check-in at the Registration Desk, the date and time of your arrival will be noted. ASHA participants will receive a continuing education form. At the end of the meeting or at the time of your departure, you must check-out at the Registration Desk. ASHA participants must return their completed continuing education forms. You will also need to complete online evaluation forms for each component of the meeting for which you are seeking credit, i.e., Pre-Conference Symposium is a different evaluation from ACPA's Annual Meeting. Approximately 4-6 weeks after the meeting, a continuing education certificate will be mailed to you. If the continuing education form and evaluation forms are not completed, ACPA will not be permitted to award CE credits.

This activity has been submitted to Acelity, Depuy Synthes, DJO Global and Stryker for support by an educational grant.

\*ANCC: This activity has been submitted to the North Carolina Nurses Association for approval to award contact hours. North Carolina Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

# ACPA's 74<sup>th</sup> Annual Meeting

## PROGRAM GUIDE

March 13-18, 2017

### Table of Contents

—

Continuing Education.....	2
Summary of Events.....	4
Welcome .....	8
General Information and Policies .....	9
ACPA's Annual Meeting Program .....	10
American Cleft Palate-Craniofacial Association .....	34
ACPA Board of Directors .....	34
2017 ACPA Committees and Task Forces .....	35
The Cleft Palate-Craniofacial Journal .....	36
ACPA Past Presidents.....	37
ACPA Award Winners .....	38
ACPA Financial Statements FY2016.....	39
Cleft Palate Foundation .....	40
CPF Board of Directors.....	40
2017 CPF Committees .....	41
CPF Past Presidents and Award Winners .....	41
CPF Financial Statements FY2016 .....	42
2016 CPF Donors .....	43
Exhibitors.....	45
Sponsors .....	48
Hotel Map .....	51
CE Checklist .....	Back Cover

## Summary of Events

Room assignments are subject to change. All announcements will be made on the ACPA Meetings app.

### SUNDAY, MARCH 12

8:30 am – 4:30 pm	<b>A One-Day Listener Training Workshop*</b>	Divide Room, Broadmoor West
4:00 – 7:00 pm	<b>Registration</b>	Broadmoor Hall Foyer

### MONDAY, MARCH 13

7:30 am – 5:30 pm	<b>Registration</b>	Broadmoor Hall Foyer
8:00 am – 5:30 pm	<b>Pre-Conference Symposium: Pathway to Adulthood</b>	Broadmoor Hall A
8:00 am – 6:00 pm	<b>Americleft Surgery Meeting</b>	Russell Boardroom, Broadmoor South
10:00 – 10:30 am	<b>Morning Break</b> <i>Sponsored by KLS Martin</i>	Broadmoor Hall Foyer
12:15 – 1:45 pm	<b>Lunch Break</b>	
2:45 – 3:15 pm	<b>Afternoon Break</b> <i>Sponsored by KLS Martin</i>	Broadmoor Hall Foyer

### TUESDAY, MARCH 14

7:30 am – 7:30 pm	<b>Registration</b>	Broadmoor Hall Foyer
8:00 am – 12:00 pm	<b>A Seminar on Increasing Leadership Effectiveness*</b>	Broadmoor Hall D
8:00 am – 4:00 pm	<b>Americleft Surgery Meeting</b>	Russell Boardroom, Broadmoor South
10:00 – 10:30 am	<b>Morning Break</b>	Broadmoor Hall Foyer
12:00 – 1:00 pm	<b>Lunch Break</b>	
12:00 – 6:30 pm	<b>Committee and Task Force Meetings<sup>+</sup></b>	See page 10
12:30 – 2:00 pm	<b>Committee Chair Luncheon<sup>+</sup></b>	Broadmoor Hall C
2:00 – 5:00 pm	<b>Exhibitor Set-up</b>	Broadmoor Hall Foyer
4:30 – 5:00 pm	<b>ACPA Visiting Scholar Presentation</b>	Broadmoor Hall C
5:30 – 6:30 pm	<b>New Member and First-Time Attendee Orientation</b>	Broadmoor Hall C
6:30 – 8:30 pm	<b>Welcoming Reception</b> <i>Sponsored by KLS Martin</i>	Cheyenne Lodge

### WEDNESDAY, MARCH 15

6:30 am – 6:30 pm	<b>Registration</b>	Broadmoor Hall Foyer
7:00 – 8:00 am	<b>Eye Openers: Group 1*</b>	See page 11
	<b>Past Presidents' Breakfast<sup>+</sup></b>	Broadmoor Hall C
7:30 am – 4:30 pm	<b>Exhibits Open</b>	Broadmoor Hall Foyer

\*Separate Registration required. <sup>+</sup>Invitation Only. <sup>-</sup>Event organized by party other than ACPA



8:00 – 9:30 am	<b>Opening Ceremony and Keynote Address</b>	Broadmoor Hall B
8:00 am – 6:30 pm	<b>Poster Session A</b>	International Center Foyer
9:30 – 10:00 am	<b>Morning Break</b>	Broadmoor Hall Foyer
10:00 am – 12:00 pm	<b>General Session 1</b>	Broadmoor Hall B
12:00 – 1:30 pm	<b>Lunch Break</b> <i>Lunch available for purchase in Broadmoor Hall A</i>	
12:30 – 1:30 pm	<b>Ethics Roundtable Brown Bag Lunch</b>	Broadmoor Hall F
	<b>ACPA's Online Community Training Brown Bag Lunch</b>	Broadmoor Hall E
	<b>Cleft Care in the Middle East Brown Bag Lunch~</b>	Broadmoor Hall C
	<b>CPF Donna Pruzansky Memorial Fund Committee Meeting<sup>+</sup></b>	Colorado Hall F
1:30 – 2:30 pm	<b>General Session 2</b>	Broadmoor Hall B
2:30 – 3:00 pm	<b>Afternoon Break</b>	Broadmoor Hall Foyer
3:00 – 4:30 pm	<b>Discipline and Special Interest Group Discussion Forums</b>	See page 15
3:00 – 6:30 pm	<b>CPCJ Editorial Board Meeting<sup>+</sup></b>	El Pomar Boardroom, El Pomar Building
4:30 – 6:00 pm	<b>Beer and Pretzels Break</b> <i>Sponsored by Children's Hospital Colorado</i>	Broadmoor Hall Foyer
4:30 – 6:00 pm	<b>Ideas and Innovations</b>	Broadmoor Hall B
4:30 – 7:30 pm	<b>Quality of Life Dinner~</b>	Schreyvogel Room, Broadmoor South
6:00 – 7:00 pm	<b>Americleft Meet and Greet~</b>	Broadmoor Hall F
	<b>Orthodontist Reception*</b>	Arnold Palmer Room, Golf Club
	<b>Oral Maxillofacial Surgery Reception*</b>	Robert Trent Jones, Jr. Room, Golf Club
6:00 – 7:30 pm	<b>CPF Donor Appreciation Event<sup>+</sup></b>	Donald Ross Room, Golf Club
7:30 – 8:30 pm	<b>On Beauty Screening and Q&amp;A with Rick Guidotti*</b>	Theater, Broadmoor Main
8:30 – 10:00 pm	<b>Young Professionals Meet-up</b>	Play, Broadmoor West

**THURSDAY, MARCH 16**

6:30 am – 6:00 pm	<b>Registration</b>	Broadmoor Hall Foyer
7:00 am – 8:00 pm	<b>Eye Openers: Group 2*</b>	See pages 16-17

\*Separate Registration required. <sup>+</sup>Invitation Only. ~Event organized by party other than ACPA

## – Summary of Events

7:30 am – 4:30 pm	<b>Exhibits Open</b>	Broadmoor Hall Foyer
8:00 – 10:00 am	<b>Junior Investigator Session</b>	Broadmoor Hall B
8:00 am – 6:30 pm	<b>Poster Session B</b>	International Center Foyer
10:00 am – 10:30 pm	<b>Morning Break</b>	Broadmoor Hall Foyer
10:00 am – 12:00 pm	<b>General Session 3</b>	Broadmoor Hall B
12:00 – 2:00 pm	<b>Annual Awards Luncheon</b>	Broadmoor Hall A
2:30 – 4:00 pm	<b>Study Sessions: Group 1*</b>	See page 20
3:00 – 6:00 pm	<b>ASCFS Board Meeting+</b>	El Pomar Boardroom, El Pomar Building
4:00 – 4:30 pm	<b>Afternoon Break</b>	Broadmoor Hall Foyer
4:30 – 6:00 pm	<b>Study Sessions: Group 2*</b>	See page 21
6:30 – 10:30 pm	<b>ACPA's 74th Annual Gala</b> <i>Sponsored by KLS Martin. The Cleft Palate Foundation's Silent Auction will take place during the Gala.</i>	International Center

## FRIDAY, MARCH 17

6:30 am – 7:30 pm	<b>Morning Yoga*</b>	Crystal Room, Broadmoor Main
7:00 – 8:00 am	<b>ASCFS Breakfast+</b>	Donald Ross Room, Golf Club
	<b>Discussion on Improving Medicaid Access to Care~</b>	Colorado Hall C
7:00 am – 5:30 pm	<b>Registration</b>	Broadmoor Hall Foyer
7:30 am – 3:30 pm	<b>Exhibits Open</b>	Broadmoor Hall Foyer
8:00 – 9:00 am	<b>Concurrent General Sessions: A, B, C</b>	See pages 22-24
8:00 am – 6:30 pm	<b>Poster Session C</b>	International Center Foyer
9:00 – 10:00 am	<b>ACPA Annual Business Meeting+</b>	Broadmoor Hall F
10:00 – 10:30 am	<b>Morning Break</b>	Broadmoor Hall Foyer
	<b>Junior Investigator Meet and Greet</b>	CPF Exhibit Table
10:30 – 12:00 pm	<b>Concurrent Sessions: 1-5</b>	See pages 25-26
12:00 – 1:30 pm	<b>Lunch Break</b> <i>Lunch available for purchase in Broadmoor Hall A</i>	
	<b>ASCFS Business Meeting/Luncheon+</b>	Donald Ross Room, Golf Club
	<b>Nurse/Coordinator Brown Bag Lunch</b>	Broadmoor Hall F

\*Separate Registration required. +Invitation Only. ~Event organized by party other than ACPA

	<b>Payment Models for Craniofacial Orthodontic Services Brown Bag Lunch~</b>	Colorado Hall B
	<b>ICHOM Cleft Lip and Palate Benchmarking Launch~</b>	Colorado Hall C
	<b>Basic Principles of Cleft Care for Residents and Fellows Brown Bag Lunch~</b>	Colorado Hall F
12:00 – 3:30 pm	<b>ACPA Board Meeting +</b>	El Pomar Boardroom, El Pomar Building
1:30 – 3:00 pm	<b>Concurrent Sessions: 6-10</b>	See page 27-30
3:00 – 3:30 pm	<b>Afternoon Break</b>	Broadmoor Hall Foyer
3:00 – 5:00 pm	<b>Concurrent Sessions: 11-15</b>	See page 30-32
	<b>Exhibitor Breakdown</b>	Broadmoor Hall Foyer
5:00 – 7:00 pm	<b>ASCFS Craniofacial Program Directors Meeting+</b>	El Pomar Boardroom, El Pomar Building
5:30 – 6:30 pm	<b>International Reception</b>	Fountain Room, Broadmoor Main
	<b>Developing 3D Printing Facilities at Institutions~</b>	Colorado Hall B
	<b>Discussion on Improving Medicaid Access to Care~</b>	Colorado Hall F
	<b>Fellowship Opportunities for OMFS~</b>	Colorado Hall C

## SATURDAY, MARCH 18

7:30 am – 1:00 pm	<b>Registration</b>	Broadmoor Hall Foyer
8:00 – 9:00 am	<b>Concurrent Session D</b>	Broadmoor Hall D
8:00 am – 6:00 pm	<b>Concurrent Session E</b>	Broadmoor Hall E
10:00 – 10:30 am	<b>Morning Break</b>	Broadmoor Hall Foyer
10:30 – 12:30 pm	<b>Virtual Planning in Craniomaxillofacial Surgery</b>	Broadmoor Hall E

# Welcome

Dear ACPA Members, Colleagues and Friends,

Welcome to the 74th Annual Scientific Meeting of the American Cleft Palate-Craniofacial Association. This meeting—Changing Perspectives—promises to be one of the best ever. The luxurious five star Broadmoor Resort provides an ideal venue for this meeting. While the facility is expansive, it also provides a privacy and warmth which allows its guests to be both comfortable and relaxed. In addition to the outstanding meeting facilities for the main program, there are many little alcoves and a variety of restaurants that provide the opportunity to catch up with old friends, meet new friends, and share some specialized discussions regarding cleft and craniofacial care. All of this is set in the beautiful surroundings of the mountains of Colorado Springs.

Dr. Costello and the Program Committee have been hard at work for over a year fashioning a program that combines a broad-based educational program composed of cutting edge topics in cleft and craniofacial care with some outstanding sparkle unique to this year's meeting and location. The meeting opens on Monday, March 13 with a Pre-Conference Symposium focused on the challenging topic of "Pathway to Adulthood: Care at the End of Adolescence" and ends with a special handle on "Virtual Planning in Craniomaxillofacial Surgery" on Saturday, March 18. In between these bookends are ALL of the meeting favorites that you know and appreciate.

The program also features a keynote presentation by Rick Guidotti, an award-winning photographer who will explore the cultural perceptions of beauty in modern society and discuss how this potentially impacts our cleft and craniofacial children.

On behalf of the ACPA Board and National Office Team, I would like to thank you for joining us in Colorado. If we do can do anything to enhance this week's scientific meeting, please don't hesitate to reach out to us. I hope that you're also able to take advantage of the beautiful surroundings in Colorado Springs!



Sincerely,  
Robert J. Havlik, MD, FAAP, FACS  
ACPA 2017 President

Dear Colleagues,

Welcome to Colorado Springs! The 2017 Program Committee is excited to hold this year's meeting at The Broadmoor—a location unlike any we have visited before. While the meeting is our main focus, we hope you have time to explore the spectacular venue and the unique surrounding area this week.

We believe that this year's program of events will appeal to attendees from all disciplines. The committee incorporated participant requests by adding more interdisciplinary panel discussions and reintroducing Advanced Courses. The program also includes general sessions, topic-based breakout sessions, discipline forums, and time for all of us to network. This year, there is a heavy emphasis on quality representation from as many specialty areas as possible.

In this year's keynote presentation, Rick Guidotti will explore cultural perceptions of beauty in modern society and discuss ways to best meet the needs of children and families. Guidotti is a photographer who has spent the past eighteen years collaborating internationally with advocacy organizations/NGOs, medical schools, universities and other educational institutions to effect change. Attendees will also have the opportunity to participate in a screening and Q&A of *On Beauty*, a film that tells Guidotti's story. He is sure to be one of the most dynamic speakers in recent memory, and his interests directly align with our mission at ACPA.

We are excited to offer a new interactive interdisciplinary panel on Saturday—Virtual Planning in Craniomaxillofacial Surgery. Over the last decade, virtual planning has been applied to a myriad of operations in the craniomaxillofacial region, and this session will introduce the tools of virtual planning and demonstrate live how it can be applied to a variety of surgical problems with actual case work-ups.

On behalf of the 2017 Program Committee, I wish you a supremely informative, educational, and fulfilling week.



Sincerely,  
Bernard J. Costello, DMD, MD, FACS  
ACPA 2017 Vice President and  
Program Chair



# General Information and Policies

## BADGES

Name badges are required for all sessions and social events. Badges will be checked at the entrance to all sessions, and attendees with badges can attend the general, concurrent, keynote, and poster sessions. One Program Guide and one Abstract Book will be provided to each registered attendee. Additional copies may be purchased at the Registration Desk for \$15 each based on availability.

## TICKETS

Tickets and/or badges are required for entrance into any paid social events, eye openers, and study sessions. Attendees will receive their selected tickets at registration. Please place your tickets behind your badge. Tickets for the Welcoming Reception, Awards Luncheon, and Gala are only needed for Students, Life Members, and Guests. Ticket donation will not be available this year. Drink tickets for the Welcoming Reception and Gala will be distributed at the door. Tickets can be purchased at the Registration Desk based on availability. Lost tickets will not be replaced.

## REGISTRATION DESK HOURS

Sunday, March 12	4:00 – 7:00 pm
Monday, March 13	7:30 am – 5:30 pm
Tuesday, March 14	7:30 am – 7:30 pm
Wednesday, March 15	6:30 am – 6:30 pm
Thursday, March 16	6:30 am – 6:00 pm
Friday, March 17	7:00 am – 5:30 pm
Saturday, March 18	7:30 am – 1:00 pm

## WEDNESDAY AND FRIDAY LUNCH

Lunch is available for purchase in Broadmoor Hall A on Wednesday and Friday for lunch.



American Society  
of  
Craniofacial Surgery

## ASCFS ANNUAL MEETING

The American Society of Craniofacial Surgery (ASCFS) holds their Annual Meeting during ACPA's Annual Meeting. All ASCFS events are listed in the Summary of Events and in the Schedule of Events.

## ANNUAL MEETING PHOTOGRAPHY

Candid photos will be taken by ACPA's contracted photographer throughout the week. It is agreed that participation in ACPA's Annual Meeting and all related events implies consent and that these photos may be used by ACPA in print and/or online marketing materials. Questions can be directed to the Registration Desk.

## UNAUTHORIZED RECORDING

Photographs, audio recordings, or videos of any proceedings, oral presentations, or on-screen images during ACPA's Annual Meeting are strictly prohibited. Audience members who attempt to do so will be asked to leave the meeting rooms.

## MOBILE DEVICES

Turn off or silence cell phones and/or pagers while sessions are in progress.

## CHILDREN

Children under 13 years of age are not permitted in lecture areas.

**Full Disclosure Policy:** All speaker and Program Committee disclosures may be found in ACPA's Annual Meeting Abstract Book, on the ACPA Meetings app or on ACPA's Annual Meeting website, <http://meeting.acpa-cpf.org>. All presenters are required to make any verbal disclosures at the beginning of their presentation. ACPA, in compliance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support, has adopted the following Full Disclosure Policy: Presentations made at continuing medical educational activities sponsored or jointly sponsored by the American Cleft Palate-Craniofacial Association must include information regarding all commercial or industrial funding, consulting, or equity holdings by the presentations' author(s) and/or anyone related to the author(s) that could be affected by or could have an effect on the content of the presentation. This information is requested during the abstract submission process and will be disclosed to participants through statements in printed meeting materials and declared by the faculty member at the beginning of his/her presentation.

**Faculty Disclosure Statements:** It is the policy of ACPA to ensure its programs are fair, balanced, independent, objective, and scientifically rigorous. In support of this policy, ACPA requires that: 1. Trade names are to be avoided during presentations. 2. Presentations made at continuing medical educational activities sponsored or jointly sponsored by ACPA, in compliance with standards for accreditation by ACCME, must include: a. information regarding off-label use(s); b. all commercial or industrial funding, consulting, or equity holdings by the authors of this presentation and/or anyone related to the authors which could be affected by or could have an effect on the content of the presentation. 3. This information will be disclosed to meeting participants through printed materials and must be declared verbally by the presenter at the beginning of the presentation. Disclosures for all participants can be found in ACPA's Annual Meeting Abstract Book, on the ACPA Meetings app or on ACPA's Annual Meeting website <http://meeting.acpa-cpf.org>.

**Disclaimer:** The scientific material presented at this meeting has been made available by ACPA for educational purposes only. The material is not intended to represent the only, nor necessarily the best, methods or procedures appropriate for the health care situation discussed, but rather is intended to present an approach, view, statement, or opinion of the presenter that may be helpful to others who face similar situations. ACPA disclaims any and all liability and injury or other damage resulting to any individual attending a course and for all claims which may arise out of the use of the techniques demonstrated therein by such individuals, whether these claims shall be asserted by members of the health care professions or any other person.

# ACPA's Annual Meeting Program

## SUNDAY, MARCH 12, 2017

### A One-Day Listener Training Workshop: Presented by the Americleft Speech Group\*

8:30 am - 4:30 pm – Divide Room, Broadmoor West  
*Adriane Baylis, Kelly Cordero, Angela Dixon,  
Anna Thurmes, Kathy Chapman*

Educational Objective(s): Attendees will be able to rate severity of predominant cleft- and VPD/VPI-related speech parameters (hypernasality, audible nasal emission, hyponasality) and overall speech acceptability, using the Americleft Speech Outcome Project rating scales and descriptors. Attendees will be able to identify both oral and non-oral cleft-related misarticulations through consensus listening. Attendees will be able to describe use of the Americleft Speech Outcomes Project data collection protocol in the clinic compared to use of the tool for research or outcomes purposes.

Abstract: 1<sup>^</sup>

### Registration

4:00 - 7:00 pm – Broadmoor Hall Foyer

## MONDAY, MARCH 13, 2017

### Registration

7:30 am - 5:30 pm – Broadmoor Hall Foyer

### Pre-Conference Symposium: Pathway to Adulthood\*

8:00 am - 5:30 pm – Broadmoor Hall A  
*Chair: Ghali E. Ghali, DDS, MD  
Co-Chair: Ramon L. Ruiz, DMD, MD*

Pre-Conference Symposium booklets are available at the Registration Desk for registered attendees.

### Americleft Surgery Meeting

8:00 am - 6:00 pm – Russell Boardroom,  
Broadmoor South

### Morning Break

10:00 am - 10:30 AM – Broadmoor Hall Foyer  
*Sponsored by KLS Martin.*

### Lunch Break

12:15 – 1:45 pm

### Afternoon Break

2:45 - 3:15 pm – Broadmoor Hall Foyer  
*Sponsored by KLS Martin.*

## TUESDAY, MARCH 14, 2017

### Registration

7:30 am - 7:30 pm – Broadmoor Hall Foyer

### A Seminar on Increasing Leadership Effectiveness\*

8:00 am - 12:00 pm – Broadmoor Hall D

*Co-Chairs: Helen M. Sharp, PhD and  
Jennifer E. Woerner, DMD, MD*

*Presenter: Martin Lowery*

*Leadership Panel: Jamie Idelberg, Angela Dixon, Greg Allen*

Educational Objective(s): Gain an understanding of the importance of the attributes and best practices of high-performing teams and be able to define eight aspects of “best-in-class” teams. Be able to evaluate your present team’s health and functionality and take home techniques to build and maintain your teams. Understand the difference between power and authority and be able to evaluate your own.

Abstract: 16

### Americleft Surgery Meeting

8:00 am - 4:00 pm – Russell Boardroom, Broadmoor South

### Morning Break

10:00 - 10:30 am – Broadmoor Hall Foyer

### Committee Chair Luncheon<sup>+</sup>

12:30 - 2:00 pm - Broadmoor Hall C

### Committee and Task Force Meetings<sup>+</sup>

#### Americleft Speech Meeting

12:00 - 4:00 pm – Farney, Broadmoor South

#### Americleft Orthodontist Meeting

12:00 - 4:00 pm – Schreyvogel, Broadmoor South

#### Americleft Psychosocial Meeting

12:00 - 4:00 pm – Remington, Broadmoor South

#### ACPA Education Committee Meeting

2:00 - 3:30 pm – El Pomar Boardroom, El Pomar Building

#### ACPA Membership Committee Meeting

2:00 - 3:30 pm – Pourtales Library, Broadmoor Main

#### CPF Publications Committee Meeting

2:00 - 3:30 pm – Crystal Room, Broadmoor Main

#### ACPA 75th Anniversary Task Force Meeting

3:30 - 4:30 pm – El Pomar Boardroom, El Pomar Building

#### CPF Scholarships Committee Meeting

3:30 - 5:00 pm – Crystal Room, Broadmoor Main

#### Americleft Task Force Meeting

4:00 - 5:00 pm – Schreyvogel, Broadmoor South

#### CPF Research Grants Committee Meeting

5:00 - 6:30 pm – Crystal Room, Broadmoor Main

#### ACPA 2018 Program Committee Meeting

4:30 - 6:00 pm – El Pomar Boardroom, El Pomar Building

#### ACPA/CPF Commission on Approval of Teams Meeting

5:00 - 6:30 pm – Pourtales Library, Broadmoor Main

\*Separate Registration required. \* Invitation Only. -Event organized by party other than ACPA.  
<sup>^</sup>Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

### ACPA Visiting Scholar Presentation

4:30 - 5:00 pm – Broadmoor Hall C

ACPA's 2017 Visiting Scholar, Dr. Solomon Obiri-Yeboah, will talk about his experiences.

### New Member and First-Time Attendee Orientation

5:30 - 6:30 pm - Broadmoor Hall C

All New ACPA Members and first-time attendees are invited to attend an orientation and networking reception.

### Welcoming Reception

6:30 - 8:30 PM – Cheyenne Lodge

Sponsored by KLS Martin

Join your colleagues at The Broadmoor's Cheyenne Lodge for light hors d'oeuvres. Attire is business casual. Shuttles will be available from Broadmoor Hall to Cheyenne Lodge, starting at 6:20 PM.

## WEDNESDAY, MARCH 15, 2017

### Registration

6:30 am - 6:30 pm – Broadmoor Hall Foyer

### Past Presidents' Breakfast\*

7:00 - 8:00 am – Broadmoor Hall C

### Eye Openers – Group 1\*

7:00 - 8:00 am

#### Eye Opener 1: Commission On Approval Of Teams: Team Approval Process – Colorado Hall C

Jamie Idelberg

Educational Objective(s): Each learner will be able to identify and use key requirements for team approval.

Abstract: 20

#### Eye Opener 2: The Americleft Project: Progress And Guidelines For Participation In Collaborative Intercenter Outcomes Studies – Colorado Hall B

Ross Long, Jr., Kathy Chapman, Kathleen Kapp-Simon, Thomas Sitzman

Educational Objective(s): Each learner will understand what is required for their centers to participate in audits and outcome comparisons and be encouraged to improve and standardize data collection and treatment records for the purpose of participation in these intercenter collaborative outcome studies.

Abstract: 19

#### Eye Opener 4: If Disney Ran your Team – Colorado Hall E

Richard Kirschner

Educational Objective(s): Attendees will be able to discuss how Disney values and strategies can be successfully adopted to transform team culture, experience, and outcomes.

Abstract: 17

#### Eye Opener 5: They're Not Just Big Kids: A Service Delivery Model For Young Adults With Cleft Lip/Palate – Colorado Hall A

Linda D. Vallino, Brenda Louw

Educational Objective(s): As a result of this activity, participants will be able to compare the health needs between children and young adults with CL/P and discuss transition of care and the barriers to care which may negatively impact the QoL in the young adult with CL/P.

Abstract: 18^

#### Eye Opener 6: Structure Versus Function: Managing Complex Velopharyngeal Dysfunction – Colorado Hall D

Kristen DeLuca, Sara Kinter

Educational Objective(s): Each learner will be able to differentiate perceptual features related to obligatory vs compensatory errors. Each learner will be able to describe the decision-making process when etiology of VPD is multi-factorial. Each learner will be able to describe how changes in faulty articulation can improve velopharyngeal function for speech production.

Abstract: 21

#### Eye Opener 7 - Personal Stories Of Leadership - Colorado Hall F

Patricia Bender, Michael Nelson; Krishna Patel

Educational Objective(s): Attendees will be able to discuss elements of high performing teams, the difference between power and authority and understand how they can adjust to become more effective leaders.

Abstract: 22

### Exhibits Open

7:30 AM - 4:30 PM - Broadmoor Hall Foyer

### Poster Session A

8:00 am - 6:30 pm - International Center Foyer

Presenters will be with their posters during the morning and afternoon breaks.

Educational Objective(s): The learner will discuss the subject and findings of the cleft and craniofacial research presented on the posters in this session.

#### A New Operation Technique Combining Millard, Onizuka, And Noordhoff Techniques For Unilateral Cleft Lip To Achieve Symmetry Of The Vermilion And Upper White Lip

Ayako Akizuki

Abstract: 27

#### Analysis Of Risk Factors Associated With Unplanned Re-Operations Following Pediatric Plastic Surgery

Kevin Jubbal

Abstract: 36

– ACPA's Annual Meeting Program: Wednesday

**Delayed Referral To A Craniofacial Specialist Limits Options For Treatment Of Craniosynostosis**

*Brad Gandolfi*

Abstract: 39

**Dental Anomalies In Permanent Dentition Of Patients With Unilateral Complete Cleft Lip And Palate In Eastern China**

*Zhenqi Chen*

Abstract: 26

**Early Intervention For Children With Cleft Palate: A Longitudinal Analysis**

*Kari Lien*

Abstract: 49

**Early Versus Late Cleft Palate Repair Outcomes In Patients With Pierre Robin**

*Ethan Baughman*

Abstract: 47

**Effects Of Continuous Positive Airway Pressure (CPAP) Therapy On Levator Veli Palatini Volume And Cross Sectional Area**

*Youkyung Bae*

Abstract: 51<sup>^</sup>

**Estimating The Burden Of Orthodontic Care In Patients With A Cleft Lip And/Or Palate**

*Paul Bigg*

Abstract: 38

**Evaluation Of Wound Healing And Bone Regeneration Using Platelet Rich Fibrin PRF Membrane In Distraction Site Following Mid Maxillary Distraction In Patients With Cleft Lip And Palate For Correction Of Skeletal Class III Maxillary Deficiency**

*Marwa Madi*

Abstract: 33

**How Do Religious And Spiritual Beliefs Influence Coping With Cleft Lip And/Or Palate?**

*Anthony Bui*

Abstract: 35

**Impact Of A Pediatric Sleep Medicine Specialist On The Cleft And Craniofacial Treatment Team**

*Ronald Brown*

Abstract: 45

**Impact Of An Intensive Articulation Therapy Program On Cleft Compensatory Errors**

*Amy Morgan*

Abstract: 48<sup>^</sup>

**Inpatient Protocol For Early Aiding Of The Patient With Complex Craniofacial Anomaly And Hearing Loss**

*Helen Lau, Jamie Uesato*

Abstract: 44

**Levator Veli Palatini Muscle Morphology In Adults With Repaired Cleft Palate Using MRI**

*Katelyn Kotlarek*

Abstract: 24

**Medical And Psychosocial Concerns Of Adolescents And Young Adults With Craniofacial Microsomia: A Qualitative Study**

*Jon Bernstein*

Abstract: 53

**Midmaxillary Internal Distraction Osteogenesis: The Use Of Fiberoptic Video Nasopharyngeal Endoscopy To Guide Surgical Decision Making**

*LisaMarie Di Pasquale*

Abstract: 40

**Minimally Important Difference Of The Child Oral Health Impact Profile For Children With Orofacial Anomalies**

*Hillary Broder*

Abstract: 50

**Morphological Differences In The Craniofacial Complex Of Patients With Non-Syndromic Cleft Lip And Palate Versus Dentofacial Skeletal Deformity**

*Payal Verma*

Abstract: 32

**Oral Health Related Quality Of Life Of Ethiopian Children And Adolescents With Cleft Lip And Palate And The Perception Of Their Parents**

*Mekonen Eshete*

Abstract: 46

**Oral Health-Related Quality Of Life In Children With Orofacial Clefts In Puerto Rico: Pilot Study**

*María Andreina Angulo-Martinez*

Abstract: 29

**Patient-Specific 3D-Printed Cryogel Scaffolds For Personalized Tissue Engineered Bone Regeneration In Children With Cleft-Craniofacial Defects**

*Alexander Lin*

Abstract: 43

**Predictors For Successful Correction Of Velopharyngeal Insufficiency By Using Double-Opposing Z-Palatoplasty**

*Cheng Chun Wu*

Abstract: 41

**Presurgical Nasoalveolar Molding For Cleft Lip And Palate: The Application Of Digitally Designed Molds**

*Gang Chai*

Abstract: 37



**Prevalence Of Submucous Cleft Palate In Children With Isolated Cleft Lip**

*Olga Košková*

Abstract: 34

**Racial Disparities In Therapeutic Service Utilization For Children With Cleft Palate**

*Kazlin Mason*

Abstract: 30

**Readability Assessment Of Online Patient Information For Cleft And Craniofacial Anomalies**

*Jeyhan Wood*

Abstract: 25

**TGFA/BAMHI, TGFB3/SFAN1, IRF6/MBOI And BMP4/HPH1 Gene Polymorphisms In Two Families With History Of Nonsyndromic Cleft Lip And Palate**

*Ani Maskoen*

Abstract: 42

**The Increasing Birth Prevalence Of Pierre Robin Sequence: Is There A Link To Neonatal Abstinence Syndrome?**

*Jonathan Simmonds*

Abstract: 54

**Transverse Skeletal And Dentoalveolar Effects Of RME Using Two Different Expander Screws In Cleft Patients: An Evaluation Of The Upper First Permanent Molar Region**

*Luciane Menezes*

Abstract: 52

**Treatment Options For Carious Primary Maxillary Anterior Teeth In Patients With Cleft Lip And/OR Palate: A Retrospective Study**

*Zachary Mills*

Abstract: 31

**Use Of Quality Improvement Methods To Increase The Proportion Of Preschool-Age Children That Receive A Complete And Standardized Speech Evaluation**

*Thomas Sitzman*

Abstract: 28

**Weight Changes And Growth Patterns At Five Years Of Age Following Palatoplasty In Infancy**

*Linda Duffy*

Abstract: 23



Rick Guidotti is an award-winning photographer who has spent the past eighteen years collaborating internationally with advocacy organizations/NGOs, medical schools, universities and other educational institutions to effect a sea-change in societal attitudes

towards individuals living with genetic, physical, behavioral or intellectual difference; his work has been published in newspapers, magazines and journals as diverse as *Elle*, *GQ*, *People*, the *American Journal of Medical Genetics*, *The Lancet*, *Spirituality and Health*, the *Washington Post*, *Atlantic Monthly* and *LIFE Magazine*.

Rick is the founder and director of Positive Exposure, an innovative arts, education and advocacy organization working with individuals living with genetic difference. Positive Exposure utilizes the visual arts to significantly impact the fields of genetics, mental health and human rights.

Educational Objective(s): Describe the social and psychological experiences of people of all ages and ethno-cultural heritages living with genetic, physical, behavioral and cognitive conditions. Discuss ways to best meet the needs of children and families with, or at risk for a genetic disorder. Explore opportunities to see each individual living with a genetic difference first and foremost as a human being with his/her own special needs, rather than as a specific diagnosis/disease entity.

Abstract: 55^

**Morning Break**

9:30 - 10:00 am - Broadmoor Hall Foyer

Meet with exhibitors or discuss posters with their presenters in the International Center Foyer.

**General Session 1**

10:00 am - 12:00 pm - Broadmoor Hall B

*Chair: Amelia F. Drake, MD*

*Co-Chair: Richard E. Kirschner, MD*

Educational Objective(s): Learners will be able to discuss cutting-edge research related to the etiology of cleft and craniofacial conditions and/or practice patterns and outcomes of treatment of individuals with these conditions.

**Pre- And Post-Operative Neurodevelopment In Patients With Unicoronal Or Metopic Craniosynostosis**

10:00 - 10:10 am

*Alexis Johns*

Abstract: 56

**Flash CT: A Technique Developed To Reduce The Controversy In Pediatric Craniofacial Imaging**

10:10 - 10:20 am

*Neil Stewart*

Abstract: 57

**Opening Ceremony and Keynote Address**

8:00 - 9:30 am - Broadmoor Hall B

*Chair: Robert J. Havlik, MD*

*Co-Chair: Bernard J. Costello, DMD, MD, FACS*

*Keynote Speaker: Rick Guidotti*

\*Separate Registration required. \*Invitation Only. -Event organized by party other than ACPA.  
^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

## – ACPA's Annual Meeting Program: Wednesday

### **Elevated Risk Of Autism Spectrum Disorder In Children With Atypical Deletions And Duplications Of 22q11.2 Including LCR-A To B Vs LCR-B To D**

10:20 - 10:30 am

*Tara Wenger*

Abstract: 58

#### **Discussion**

10:30 - 10:40 am

### **Early Predictors Of Reading Achievement In Children With Orofacial Clefts**

10:40 - 10:50 am

*Claudia Crilly Bellucci*

Abstract: 243

### **A Comparison Of Mixed Dentition Dental Arch Relationships Among Four Centers Using Distinctly Different Infant Management Protocols**

10:50 - 11:00 am

*Cheryl Anderson-Cermin*

Abstract: 59

### **Preoperative Parent Anxiety And Postoperative Infant Pain: A Prospective Study Of Infants Undergoing Cleft And Craniofacial Surgery**

11:00 - 11:10 am

*Patricia Chibbaro*

Abstract: 60

#### **Discussion**

11:10 - 11:20 am

### **Predictors Of Postpartum Depression In Mothers Of Infants With Cleft Lip/Palate**

11:20 - 11:30 am

*Alexis Johns*

Abstract: 61

### **Longitudinal Assessment Of Relationship Between Velopharyngeal Function And Articulation Performance**

11:30 - 11:40 am

*Amy Morgan*

Abstract: 206<sup>^</sup>

### **Prospective Evaluation Of Speech Outcome Following Pharyngeal Flap Surgery In 22q11.2 Deletion Syndrome**

11:40 - 11:50 am

*Adriane Baylis*

Abstract: 63<sup>^</sup>

#### **Discussion**

11:50 - 12:00 pm

### **Lunch Break**

12:00 - 1:30 pm

Lunch is available for purchase in Broadmoor Hall A.

Meet with exhibitors in the Broadmoor Hall Foyer or view posters in the International Center Foyer.

### **Ethics Roundtable Brown Bag Lunch and Discussion**

12:30 - 1:30 pm - Broadmoor Hall F

*Chair: Howard M. Saal, MD*

*Co-Chair: Christian J. Vercler, MD*

Bring your lunch and discuss recent ethical topics.

No registration is required.

### **ACPA's Online Community Training and Brown Bag Lunch**

12:30 - 1:30 pm - Broadmoor Hall E

*Carrie Heike*

This session will provide ACPA Members with information on how to use ACPA's Online Community.

### **Cleft Care in the Middle East Brown Bag Lunch and Discussion<sup>~</sup>**

12:30 - 1:30 pm - Broadmoor Hall C

*John Van Aalst*

Open discussion about the current status of cleft and craniofacial care in the Middle East and North Africa.

### **CPF Donna Pruzansky Memorial Fund Committee Meeting<sup>+</sup>**

12:30 - 1:30 pm - Colorado Hall F

### **General Session 2: Revision Velopharyngeal Surgery in the Face of Sleep Apnea**

1:30 - 2:30 pm - Broadmoor Hall B

*Chair: Adriane L. Baylis, PhD, CCC-SLP*

*Co-Chair: Noel Jabbour, MD*

*Steven Goudy, Sean Edwards, Ann Kummer, Travis Tollefson, Brian Andrews*

Educational Objective(s): Each learner will be able to discuss the potential for obstructive sleep apnea after velopharyngeal insufficiency surgery and identify the different treatment options for these patients.

Abstract: 64<sup>^</sup>

### **Afternoon Break**

2:30 - 3:00 pm - Broadmoor Hall Foyer

Meet with exhibitors or discuss posters with their presenters in the International Center Foyer.

### **Discipline and Special Interest Group Discussion Forums**

3:00 - 4:30 pm

These forums serve as an opportunity to discuss current topics with colleagues.

### **22q11.2 Related Disorders SIG - Broadmoor Hall C**

*Chair: Adriane L. Baylis, PhD, CCC-SLP*

*Co-Chair: Oksana A. Jackson, MD*

### **Care Coordination SIG - Broadmoor Hall E**

*Chair: Iris H. Sageser, RDH, MS*

*Co-Chair: Jo G. Artz, RN*

<sup>\*</sup>Separate Registration required. <sup>+</sup> Invitation Only. <sup>~</sup>Event organized by party other than ACPA.  
<sup>^</sup>Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

**Genetics/Pediatrics - Colorado Hall C**

Co-Chairs: Tara Wenger, MD, PhD and Kelly N. Evans, MD

**Mental Health - Colorado Hall F**

Co-Chairs: Kathleen A. Kapp-Simon, PhD and Margot B. Stein, PhD

**Oral-Maxillofacial Surgery - Colorado Hall D**

Co-Chairs: Gerardo P. Romeo, DDS, MD and Sharon Aronovich, DMD

**Orthodontics/Prosthodontics - Colorado Hall E**

Co-Chairs: Kirt E. Simmons, DDS, PhD and Katherine A. Kelly, DDS, PhD, MS

**Otolaryngology - Colorado Hall A**

Co-Chairs: Krishna G. Patel, MD, PhD and Sivakumar Chinnadurai, MD

**Pediatric Dentistry - Colorado Hall B**

Co-Chairs: John Kiang, DMD and Erin Shope, DMD, MS

**Plastic Surgery - Broadmoor Hall D**

Chair: Oluwaseun A. Adetayo, MD

**Speech Language Pathology/Audiology - Broadmoor Hall F**

Co-Chairs: Kristen E. Deluca, MS, CCC-SLP and Kerry Mandulak, PhD, CCC-SLP

**The Cleft Palate-Craniofacial Journal Editorial Board Meeting\***

3:00 - 6:30 pm - El Pomar Boardroom, El Pomar Building

**Beer and Pretzels Break**

4:30 - 6:00 pm - Broadmoor Hall Foyer

Sponsored by Children's Hospital Colorado.

**Ideas and Innovations**

4:30 - 6:00 pm - Broadmoor Hall B

Chair: Kristina Wilson, PhD, CCC-SLP

Co-Chair: John A. Grotto, MD, MMA, FAAP, FACS

Educational Objective(s): Learners will be able to identify innovations or new techniques that may be applied to their treatment or research of patients with cleft and craniofacial conditions.

**Transorbital Sural Nerve Grafting For Pediatric Neurotrophic Keratopathy**

4:30 - 4:35 pm

James Thomas Paliga

Abstract: 65

**Patient-Specific 3D Models For Autogenous Ear Reconstruction**

4:35 - 4:40 pm

Roberto Flores

Abstract: 66

**Respiratory And Sleep Changes Following Palatoplasty In Infants With Pierre Robin Sequence: An Assessment Of Safety Using Polysomnography**

4:40 - 4:45 pm

Max Rotatori

Abstract: 67

**The Effective Use Of Digital Images: A Novel And Secure Methodology For Use In Clinical Practice And Research**

4:45 - 4:50 pm

Monali Mahedia

Abstract: 68

**Tenzel/Schrudde Deep Plane Cervicofacial Flap Reconstruction Of The Tessier #4 Facial Cleft**

4:50 - 4:55 pm

Roberto Flores

Abstract: 69

**Camp Smile: An Interdisciplinary Treatment Approach To Strengthen Articulation And Social-Emotional Functioning Through The Arts**

4:55 - 5:00 pm

Stephanie McConville

Abstract: 70

**Computer-Aided Design And 3D Printing To Produce A Model For Simulation Of Cleft Lip Repair**

5:00 - 5:05 pm

David Zopf

Abstract: 71^

**Silver Diamine Fluoride For Patients With Cleft Lip And Palate: Arresting Caries In Difficult To Access Teeth**

5:05 - 5:10 pm

Erin Shope

Abstract: 72

**Development And Evaluation Of A Novel High-Fidelity Cleft Lip Simulator**

5:10 - 5:15 pm

Dale Podolsky

Abstract: 73^

**The Utility Of 3D CAD/CAM For Cranial Vault Reconstruction In Complex And Multi-Sutural Craniosynostosis**

5:15 - 5:20 pm

Stephen Lu

Abstract: 74

**Long-Term Results Of The Use Of Botox As An Adjunct For Cleft Lip Reconstruction**

5:20 - 5:25 pm

Alfredo Lloreda

Abstract: 75

**Speech Camp For Pre-Teens With 22q11.2 Deletion Syndrome: Lessons Learned**

5:25 - 5:30 pm

Kelly Cordero

Abstract: 76^

\*Separate Registration required. \*Invitation Only. -Event organized by party other than ACPA.

^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

– ACPA's Annual Meeting Program: Wednesday/Thursday

**The Texas Two-Step Protocol For Internal Maxillary Distraction**

5:30 - 5:35 pm

*Jaime Gateno*

Abstract: 77<sup>^</sup>

**Case Series Of Children With Apert Syndrome With Atypical Presentation Of Craniosynostosis**

5:35 - 5:40 pm

*Han Zhuang Beh*

Abstract: 78

**Septal Anchoring Suture: A Key Suture To Improve The Nasolabial Symmetry In Unilateral Cheiloplasty**

5:40 - 5:45 pm

*Ting-chen Lu*

Abstract: 79

**Premaxillary Molding For Difficult Bilateral Cleft Lip And Palates**

5:45 - 5:50 pm

*Sean Figy*

Abstract: 80

**Midline Bone Graft And Temporal Limb Bandeau Modifications In Fronto-Orbital Advancement For Unicoronal Craniosynostosis: A 3D Assessment Of Symmetry**

5:50 - 5:55 pm

*Pang-Yun Chou*

Abstract: 81<sup>^</sup>

**Quality of Life Dinner<sup>+~</sup>**

4:30 - 7:30 pm - Schreyvogel Room, Broadmoor South  
*Hillary Broder*

Discuss the specific aims and protocol for the Quality of Life Project.

**Americleft Meet & Greet<sup>-</sup>**

6:00 - 7:00 pm - Broadmoor Hall F

*Ross Long, Jr.*

All interested attendees are invited to meet with members of the Americleft Project.

**Orthodontist Reception<sup>\*</sup>**

6:00 - 7:00 pm - Arnold Palmer Room, Golf Club

Tickets may be purchased at the Registration Desk.

**Oral Maxillofacial Surgery Reception<sup>\*</sup>**

6:00 - 7:00 pm - Robert Trent Jones, Jr. Room, Golf Club

Tickets may be purchased at the Registration Desk.



**CPF Donor Appreciation Event<sup>+</sup>**

6:00 - 7:30 pm -

Donald Ross Room, Golf Club

Donor reception begins at 6:00pm. Guided Art Walk begins at 6:30pm; tickets required.

**On Beauty Screening<sup>\*</sup>**

7:30 - 8:30 pm - Theater, Broadmoor Main

*Rick Guidotti*

Join keynote speaker Rick Guidotti to watch the 30-minute film *On Beauty* followed by a Q&A. Tickets may be purchased at the Registration Desk.

**Young Professionals Meetup**

8:30 - 10:00 pm - Play, Broadmoor West

Young Professionals are welcome to attend a casual get together. Registration is not required; pay your own way.

**THURSDAY, MARCH 16, 2017**

**Registration**

6:30 am - 6:00 pm - Broadmoor Hall Foyer

**Eye Openers - Group 2<sup>\*</sup>**

7:00 - 8:00 am

**Eye Opener 8 - 3D Records: Impact, Cost Effectiveness, And Expectations - Colorado Hall A**

*Christian El Amm*

Educational Objective(s): The learner will be able to generate low to no-cost 3D records using commonly available equipment.

Abstract: 88

**Eye Opener 9 - Changing Perspectives About Identifying Barriers To Care: Improving Outcomes And Quality Of Life By Being Proactive Instead Of Reactive To Patient Needs - Colorado Hall B**

*Cassandra Aspinall, Andrew Woolley*

Educational Objective(s): Each learner will define the concept of the social determinants of health. Each learner will be able to list the screening elements outlined in the I-HELP™ tool, explain what a Medical Legal Partnership is and identify whether or not they have one in their area. Each learner will be able to identify at least one social determinant that could be health harming to a patient.

Abstract: 82

**Eye Opener 10 - Developing A Multidisciplinary Feeding Team For Your Cleft Lip And Palate Program - Broadmoor Hall C**

*Courtney Hall, Lauren Madhoun, Caitlin Cummings, Katherine Eastman*

Educational Objective(s): Describe feeding, weight gain, and growth risks for infants with cleft lip and/or palate. Identify the structure of a Multidisciplinary Craniofacial Feeding Team and specific roles of each professional. Name five patient, family, and community-based interventions that can be implemented to improve understanding of cleft feeding issues, improve infant weight gain, and allow for timely cleft repair.

Abstract: 84

<sup>\*</sup>Separate Registration required. <sup>+</sup> Invitation Only. <sup>~</sup>Event organized by party other than ACPA.  
<sup>^</sup>Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.



**Eye Opener 11 - Exploring The Challenges Of Navigating The Contemporary Dating World With A Facial Difference - Colorado Hall C***Aileen Blitz, Jennifer Ruggiero*

Educational Objective(s): Each learner will obtain an overview of the presenters' workshops about romantic relationships among adult patients with facial differences and will be able to identify the challenges patients experience within the contemporary dating world. Each learner will contribute ideas for an online forum to promote social networking and support for adult patients with facial differences.

Abstract: 83

**Eye Opener 12 - Changing Perspectives On Beauty: The World Of Positive Exposure - Broadmoor Hall F***Bieke Kreps, Rick Guidotti*

Educational Objective(s): Attendees will be able to describe the mission of Positive Exposure and will understand the ways in which film and photography can be successfully used to promote awareness, acceptance, and self-esteem.

Abstract: 86^

**Eye Opener 13 - Journal Manuscript Preparation And Submission - Colorado Hall E***Jack Yu, Stephen Conley*

Educational Objective(s): Each learner will be able to prepare a manuscript suitable for submission to scientific journals.

Abstract: 90

**Eye Opener 14 - Medically Necessary Craniofacial Orthodontic Treatment: Strategies For Successfully Obtaining Insurance Coverage - Broadmoor Hall E***Margy Maroutsis*

Educational Objective(s): Each participant will be able to identify key criteria for writing a letter of medical necessity. Each participant will be able to review a patient's insurance plan and point out what is covered and what is not covered. Each participant will be able to address denials and know the steps to take to help overturn a denial.

Abstract: 87

**Eye Opener 15 - NICU Alert: The Impact Of Early Audiologic Involvement - Colorado Hall F***Brittney Sprouse*

Educational Objective(s): Describe the implications of hearing loss identified in children with cleft lip/palate and/or other craniofacial anomalies as well as identify at least two reasons that make hearing loss a neurodevelopmental emergency. Understand the importance of early and routine audiologic monitoring and collaborative care specific to this population. Examine the protocol used at UCM for this population.

Abstract: 89

**Eye Opener 16 - Zika Virus In Infants And Children: An Overview Of The Phenotype - Colorado Hall D***Michael Nelson, Miguel del Campo*

Educational Objective(s): Each learner will leave our session with a solid understanding of the origins, modes of transmission, epidemiology, prevention, and clinical features of the Zika epidemic, with emphasis on the Zika babies.

Abstract: 85

**Exhibits Open**

7:30 AM - 4:30 PM - Broadmoor Hall Foyer

**Junior Investigator Session**

8:00 - 10:00 am - Broadmoor Hall B

*Chair: Mark P. Mooney, PhD**Co-Chairs: Catherine M. Pelland and Wilmina Landford*

This session encourages and supports multidisciplinary research by investigators either recently graduated or currently enrolled in a training program dealing with cleft and craniofacial evaluation and treatment. The presentations are evaluated and two winners selected to receive a plaque and monetary award. The winners of this session will be at the CPF Exhibit Table during the Friday morning break to discuss their work.

Educational Objective(s): Learners will be able to discuss at least three research questions related to cleft and craniofacial care.

**Muscle-Derived Stem Cell Enriched Scaffolds Are Capable Of Enhanced Healing Of A Murine Volumetric Muscle Loss Defect**

8:00 - 8:10 am

*Howard Wang*

Abstract: 91

**Il-10 And Bmp-2 Mediated Bone Regeneration In The Infected Calvarial Defect In Rabbits**

8:10 - 8:20 am

*Michael Bykowski*

Abstract: 124

**Psychosocial Development Of Pediatric Patients With Craniofacial Anomalies: Differences In The Elementary, Middle, And High School Years**

8:20 - 8:30 am

*Elizabeth Volpicelli*

Abstract: 125

**Discussion**

8:30 - 8:40 am

**Intracranial Pressure Patterns In Children With Craniosynostosis Utilizing Optical Coherence Tomography**

8:40 - 8:50 am

*Jordan Swanson*

Abstract: 126

**Elastic Chain Premaxillary Retraction Appliance Does Not Increase Telecanthus In Patients With Bilateral Complete Cleft Lip And Palate**

8:50 - 9:00 am

*Hamad Burashed*

Abstract: 127

– ACPA's Annual Meeting Program: Thursday

**Supraglottoplasty Improves Success Rates For Airway Treatment In Robin Sequence Patient Population Treated With Mandibular Distraction Osteogenesis**

9:00 - 9:10 am

*Stephanie Cohen*

Abstract: 128

**Discussion**

9:10 - 9:20 am

**Utilization Of A Craniofacial Malformation Patient Cohort To Identify Novel Syndromes Leading To Targeted Therapeutics Development**

9:20 - 9:30 am

*Elizabeth Bhoj*

Abstract: 129

**Polysomnographic Screening Of Patients With 22q11.2 Deletion Syndrome Before And After Posterior Pharyngeal Flap Surgery For Velopharyngeal Dysfunction**

9:30 - 9:40 am

*Brian Chang*

Abstract: 130

**Induced Neural Progenitor-Like Cells From Human Gingiva-Derived Mesenchymal Stem Cells Regulate Myelination Of Schwann Cells In Rat Sciatic Nerve Regeneration**

9:40 - 9:50 am

*Phuong Nguyen*

Abstract: 209

**Discussion**

9:50 - 10:00 am

**Poster Session B**

8:00 am - 6:30 pm - International Center Foyer

Presenters will be with their posters during the morning and afternoon breaks.

Educational Objective(s): The learner will discuss the subject and findings of the cleft and craniofacial research presented on the posters in this session.

**3D Models Of Head And Neck Pathology**

*Ingrid Ganske*

Abstract: 105

**A Novel MRI Evaluation Of Changes In Velopharyngeal Anatomy And Physiology Following The Remediation Of The Posterior Nasal Fricative**

*Kazlin Mason*

Abstract: 99

**A Review Of Craniofacial Findings In RASopathies**

*Najla Alrejaye*

Abstract: 119

**A Unique Model For Fellowship Training In Craniofacial Speech Pathology: Five Years In Review**

*Caitlin Cummings*

Abstract: 100

**Beyond The OR: Genetic Counseling Is An Essential Part Of Multidisciplinary Care For Patients With Complex Cleft And Craniofacial Anomalies**

*Natalie Beck*

Abstract: 121

**Cleft Health Disparities: Delay In Primary Surgical Repair Of Children With Cleft Lip And Palate Among Minority Populations**

*Perry Bradford*

Abstract: 111

**Compared Outcomes Between Closed Cancellous And Open Corticocancellous Bone Grafting Techniques For Alveolar Cleft Repair**

*Frankie Wong*

Abstract: 103

**Development Of Symbolic Behavior In Children With And Without Repaired Cleft Palate**

*Marziye Eshghi*

Abstract: 115

**Does The Use Of Adult Learning Principles Improve Learner Understanding Within A Speech-Language Development Program For Caregivers Of Infants With Unrepaired Cleft Palate?**

*Sarah Vetter*

Abstract: 110

**Effective Practice In High Needs School Districts: Evaluation And Treatment Of Children With Craniofacial Anomalies**

*Alison Scheer-Cohen*

Abstract: 94<sup>^</sup>

**Effectiveness Of A Novel Augmented Reality-Based Navigation System In Treatment Of Orbital Hypertelorism**

*Ming Zhu*

Abstract: 107

**Effectiveness Of Early Post-Operative Prophylactic Pulsed Dye Laser On Cleft Lip Scar: A Randomized Control Trial**

*Ying Yin Lam*

Abstract: 117

**Endoscopic Repair Of Unilateral Squamosal Craniosynostosis**

*Emily Waselchuk*

Abstract: 93

**Examining The Concordance Between MuAC Z-Score And BMI Z-Score In Patients With Cleft Lip And Palate**

*Erin Lindhorst*

Abstract: 97

**Facial Asymmetry And Social Functioning In Children And Adolescents With Cleft Lip And/Or Palate**

*Celia Heppner*

Abstract: 102

\*Separate Registration required. \* Invitation Only. ~Event organized by party other than ACPA.  
<sup>^</sup>Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

**International Special Needs Adoption In The Cleft Clinic**

*Colleen Gioffreda*

Abstract: 122

**Lower Eyelid Changes Following Midface Distraction After The Puberty In Crouzon's Disease**

*Ha Min Sung*

Abstract: 108

**Nasalance Scores In Normal Mongolian Children And In Repaired Cleft Lip And Palate Children**

*Batsukh Shagdar*

Abstract: 116

**Objective Anthropometric Measurements Via 3D Stereophotogrammetry For Assessing Severity And Treatment Of Unilateral Cleft Lip Nasal Deformity**

*Makinna Oestreich*

Abstract: 112

**Out-Of-Pocket Dental & Orthodontic Costs For Children With Cleft Lip And/Or Palate Compared To Children Without Cleft Lip And/Or Palate**

*Erin Shope*

Abstract: 101

**Prenatal Isolated Cleft Lip With Or Without Cleft Palate And Postnatal Associated Malformations**

*Mona Haj*

Abstract: 98

**Quality Of Life And Pediatric Craniofacial Conditions: The UCSD International Experience In The Development Of A Bilingual And Bicultural Patient Reported Outcomes Measure**

*Viridiana Tapia*

Abstract: 113

**Repair Of The Unilateral Cleft Without Presurgical Orthopedics: Decreasing Burden Of Care**

*Martha Matthews*

Abstract: 123

**Spatially Detailed 3D Quantification Of Improvement Of Facial Symmetry After Surgery In Children With Unilateral Coronal Synostosis (UCS)**

*Louise Owall*

Abstract: 104

**Speech Outcomes In The Robin Sequence Population**

*Natalie Wombacher*

Abstract: 120^

**Speech Therapy Characteristics Of 5-6 Year Old Children With Cleft Palate**

*Adriane Baylis*

Abstract: 106^

**Squamosal Craniosynostosis: Expected Phenotype And Management**

*Kashyap Tadisina*

Abstract: 118

**The Impact Of Timing Of Tympanostomy Tube Placement On Sequelae In Children With Cleft Palate**

*Amber Shaffer*

Abstract: 95

**The Removable Premaxilla Repositioning Appliance For Treatment Of Bilateral Cleft Lip And Palate**

*Nicholas Kochenour*

Abstract: 109

**The Role Of The Cleft Nurse Coordinator In Reducing Newborn Community Hospital Transfers For Cleft Related Feeding Problems**

*Irene Doringo*

Abstract: 96

**Transforming Growth Factor B3/Gene SFANI Polymorphism Associated With Non Syndromic Cleft Lip And Palate Among Indonesian Patients**

*Saskia Nasroen*

Abstract: 114

**Morning Break**

10:00 - 10:30 am - Broadmoor Hall Foyer

Meet with exhibitors or discuss posters with their presenters in the International Center Foyer.

**General Session 3: Orthognathic Surgery versus Distraction Osteogenesis: What's the Best Course of Action?**

10:30 am - 12:00 pm - Broadmoor Hall B

*Chair: John F. Caccamese, DMD, MD, FACS*

*Co-Chair: Davinder J. Singh, MD*

*Timothy Turvey, Stephanie Drew, Ghali Ghali, Jaime Gateno*

Educational Objective(s): Each learner will be able to:

- 1) Better develop a treatment algorithm for the correction of dentofacial deformities in patients with cleft lip and palate,
- 2) Explain the impact surgical procedures may have in the skeletally immature patient, and
- 3) Gain the ability to troubleshoot common complexities such as scarring, velopharyngeal insufficiency, and hypodontia.

Abstract: 131^

**Annual Awards Luncheon\***

12:00 - 2:00 pm - Broadmoor Hall A

Celebrate ACPA, CPF and ASCFS Award Winners.

Tickets included in registration for professional members and non-members. Additional tickets may be purchased at the Registration Desk.

\*Separate Registration required. \*Invitation Only. -Event organized by party other than ACPA.

^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

## Study Sessions - Group 1\*

2:30 - 4:00 pm

### Study Session A - Contemporary Management Of The Alveolar Cleft In Patients With Cleft Lip And Palate - Broadmoor Hall E

*Michael Lyпка, Alison Kaye, Heather Hendricks*

Educational Objective(s): Each learner will define the optimal timing of alveolar cleft repair, including the obligatory presurgical orthodontic setup. Learners will list the goals of alveolar cleft repair and understand basic and advanced methods of closing and grafting alveolar clefts.

Abstract: 139

### Study Session B - Diagnostic Approach To The Child With Apparent Isolated Abnormalities Of Craniofacial Structures: Towards The Development Of Assessment Algorithms - Colorado Hall D

*Anne Hing, Michael Cunningham, Kelly Evans, Yvonne Gutierrez, Tara Wenger, Elizabeth Bhoj, Ophir Klein, Howard Saal, Robert Byrd, Katrina Dipple*

Educational Objective(s): For each craniofacial difference, the participants will be able to: describe specific craniofacial features in searchable terms, apply diagnostic algorithm to assist with investigative studies, and utilize craniofacial descriptors to facilitate a medical literature search to assist with diagnosis.

Abstract: 132^

### Study Session C - Feeding And Swallowing In Infants And Toddlers With Cleft Lip And Palate: Evidence And Practice - Broadmoor Hall D

*Maia Braden, Bryn Olson-Greb*

Educational Objective(s): Learning outcomes: Participants will describe feeding differences in infants with cleft palate. Participants will describe the role of the SLP in prenatal counseling for families expecting a baby with cleft palate. Participants will identify three interventions for babies with feeding challenges related to cleft palate.

Abstract: 133^

### Study Session D - Identifying Cleft Speech Characteristics 101: Speech Ratings For The Novice Listener - Colorado Hall F

Introductory Course

*Angela Dixon, Kristina Wilson*

Educational Objective(s): Attendees will be able to define and differentiate between hypernasality, hyponasality, and audible nasal emission, improving inter-professional practice. Attendees will rate speech samples through the process of consensus listening using the Americleft Speech Outcomes Project rating scales and descriptors.

Abstract: 138^

### Study Session E - Innovation In Cleft Palate Reconstructive Surgery: How To Use Buccal Myomucosal Flaps - Colorado Hall A

Advanced Course

*Robert Mann, John Giroto*

Educational Objective(s): Learner will list the steps to

successfully use buccal flaps in both primary and secondary cleft surgeries. Learner will recognize how the buccal flap can effectively salvage a procedure after a torn flap mid operation. The learner will discuss how buccal flaps can be used in the formulation of specific palatal flap patterns to treat various cleft shapes: wide or narrow, high arched or broad arched.

Abstract: 137

### Study Session F - Interpreting The Instrumental Evaluation Of Velopharyngeal Function - Broadmoor Hall C

Advanced Course

*Sara Kinter, Kathleen Sie, Kaylee Paulsgrove*

Educational Objective(s): Following this presentation, learners will be able to: Describe anticipated instrumental findings given perceptual characteristics. Discuss anatomic findings that may influence surgical decisions. Describe how use of instrumental and perceptual findings may influence patient outcomes.

Abstract: 134

### Study Session G - Practical Guidelines For Managing Patients With 22q11.2 Deletion Syndrome - Colorado Hall C

*Donna McDonald-McGinn, Cynthia Solot, Oksana Jackson*

Educational Objective(s): Management guidance for 22q11.2DS is limited. We will present guidelines from the International 22q11.2 Consortium and our own broad experience whereupon attendees will recognize the complexities of the condition and the utility of healthcare surveillance and harmonized care for associated palatal, speech, language, developmental and behavioral issues, as well as genetic counseling considerations.

Abstract: 136^

### Study Session H - Practical Guidelines For Managing Patients With 22q11.2 Deletion Syndrome - Colorado Hall B

*Jason Dashow, Ronald Reed Hathaway, Lizbeth Holguin, Stephanie Munz*

Educational Objective(s): Each learner will review dental treatment goals in children with clefts; they will identify prosthodontic alternatives in patients with clefts; they will express the role of the orthodontist in helping direct surgical decisions in children with clefts; they will identify unique leadership capabilities of cleft fellowship-trained oral & maxillofacial surgeons within the modern cleft team.

Abstract: 135



American Society  
of  
Craniofacial Surgery

### ASCFS Board Meeting\*

3:00 - 6:00 pm -

El Pomar Boardroom,

El Pomar Building

### Afternoon Break

4:00 - 4:30 pm - Broadmoor Hall Foyer

Meet with exhibitors or discuss posters with their presenters in the International Center Foyer.



**Study Sessions - Group 2\***

4:30 - 6:00 pm

**Study Session I - Case Studies In Speech Sound Therapy: Elicitation Through Transfer To Spontaneous Speech - Colorado Hall B**

*Kristina Wilson, Amy Morgan, Ellen Moore, Lynn Grames, Kristen DeLuca*

Educational Objective(s): The learner will describe a variety of processes and activities used in therapy to facilitate transfer of newly taught motor patterns into conversational speech.

Abstract: 147^

**Study Session J - Clinical Research In Infants With Clefts Of The Lip And Palate: What Should We Measure - Broadmoor Hall F**

*Carrie Heike, Ross Long, Jr, Cassandra Aspinall, Kathleen Kapp-Simon, Todd Edwards, Kathy Chapman*

Educational Objective(s): The learner will review key considerations in collecting standardized clinical data in infants; review current and planned multicenter projects in infants; discuss the health care domains and observable items included in the iCOO; describe how the iCOO and other infants' measures can be incorporated into team protocols and used to improve care for infants with clefts of the lip and palate.

Abstract: 149^

**Study Session K - Innovative Teaching Methods For Graduate Students In Speech-Language Pathology - Colorado Hall C**

*Kerry Mandulak, Alison Scheer-Cohen, Dana Collins, Kelly Cordero, Anna Thurmes*

Educational Objective(s): Each learner will discuss current trends and challenges for training students in the area of craniofacial anomalies and velopharyngeal disorders. Each learner will describe one academic and one clinical model to train graduate students in the knowledge and skills specific to craniofacial anomalies and velopharyngeal disorders.

Abstract: 140^

**Study Session L - Multidisciplinary Strategies To Avoid Or To Treat Short-Term And Long-Term Complications Of Neonatal Mandibular Distraction - Colorado Hall A**

Advanced Course

*Michael Lypka, Heather Hendricks, Jeffrey Goldstein*

Educational Objective(s): Each learner will be able to select the appropriate patient for mandibular distraction and understand technical aspects of the operation to avoid both short and long term complications. Each learner will be able to demonstrate knowledge of how to care for the perioperative and long-term complications and recognize the importance of a multidisciplinary approach.

Abstract: 146

**Study Session M - Nasopharyngoscopy: Methods For Obtaining A Successful Examination With Preschool Children And Interpretation Of Findings For Surgical Planning - Colorado Hall E**

*Ann Kummer*

Educational Objective(s): Each learner will be able to discuss methods for performing a successful nasopharyngoscopy examination with children as young as 3 years old. Each learner will be able to describe how nasopharyngoscopy findings can be used to determine the surgical procedure with the best potential outcome for the patient.

Abstract: 145^

**Study Session N - Neonatal Ear Molding: A Practical Hands-On Instructional Course- Broadmoor Hall E**

*James Seaward, Savannah Brown, Elizabeth Wetz, Jessica Grant, Alex Kane*

Educational Objective(s): Each learner will be able to evaluate neonatal ear deformities and apply an effective technique for ear molding.

Abstract: 142

**Study Session O - Orthopedic And Orthodontic Treatment For Patients With Clefts Of The Lip And Palate: From Birth To Mixed Dentition - Broadmoor Hall C**

Advanced Course

*Pedro Santiago*

Educational Objective(s): The learners will evaluate various orthopedic and orthodontic techniques used in the treatment of infants and children in the mixed dentition and will be able to recognize the adequate timing of their implementation. They will also be able to assess the feasibility and need to include these treatment modalities into their treatment portfolio for their patients.

Abstract: 148

**Study Session P - SLP's Role In Decision Making For VPD With Complex Patients - Case Studies And Discussion - Colorado Hall D**

*Jennifer Maybee, Sarah Metzler, Jeff Steffen, Bridget Harrington, Joyanne McShea, Gregory Allen*

Educational Objective(s): Each learner will be able to identify critical components of information to gather and analyze in a collaborative team approach to aid in the decision making process, with the consideration of time frame, for complex patients with VPD.

Abstract: 141

**Study Session Q - The Furlow Palatoplasty: A Practical Guide - Colorado Hall F**

Introductory Course

*Richard Kirschner, Alison Kaye*

Educational Objective(s): Each learner will be able to describe how to repair cleft palate and optimize outcomes using the Furlow technique.

Abstract: 143

**Study Session R - Understanding Obstructive Sleep Apnea In Children With Cleft Lip And/Or Palate - Broadmoor Hall D**

Introductory Course

*Joanna MacLean*

Educational Objective(s): Each learner will be able to identify

\*Separate Registration required. \*Invitation Only. -Event organized by party other than ACPA.

^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

## – ACPA's Annual Meeting Program: Thursday/Friday

symptoms of obstructive sleep apnea, describe investigation and treatment options, and discuss how to integrate sleep care into cleft clinic.

Abstract: 144

### ACPA's 74th Annual Gala\*

6:30 - 10:30 pm - International Center

*Sponsored by KLS Martin.*

Join your colleagues for an evening of food, dance, and live music featuring the local band, Tunisia. Cocktail attire suggested. Tickets included in registration for professional members and non-members. Additional tickets may be purchased at the Registration Desk. The Cleft Palate Foundation's Silent Auction will take place during the Gala. Items may be previewed at [www.cleftline.org](http://www.cleftline.org)

## FRIDAY, MARCH 17, 2017

### Morning Yoga Session\*

6:30 - 7:30 am - Crystal Room, Broadmoor Main

Yoga mats will be provided.



American Society  
of  
Craniofacial Surgery

### ASCFS Breakfast+

7:00 - 8:00 am -

Donald Ross Room, Golf Club

Open to ASCFS Members only.

### Registration

7:00 AM - 5:30 PM - Broadmoor Hall Foyer

### Exhibits Open

7:30 am - 3:30 pm - Broadmoor Hall Foyer

### Concurrent General Session A: Team Care and Economics

8:00 - 9:00 am - Broadmoor Hall C

*Chair: Jo G. Artz, RN*

Educational Objective(s): Learners will be able to discuss new topics related to team care and economics.

#### To Admit Or Not To Admit - That Is The Cleft Lip Question

8:00 - 8:10 am

*Izabela Galdyn*

Abstract: 178

#### Cost Effectiveness Analysis Of Demineralized Bone Matrix And Rbtmp-2 Vs. Autologous Iliac Crest Grafting In Alveolar Cleft Patients

8:10 - 8:20 am

*Sagar Mehta*

Abstract: 179

#### Optimizing Team Efficiency In Cleft Palate Clinic; A Business Process Improvement Initiative

8:20 - 8:30 am

*Amanda Smith*

Abstract: 180

#### The Perspective Of Team Science As A Model For Advancing Research In Craniofacial Microsomia

8:30 - 8:40 am

*Amelia Drake*

Abstract: 181

#### Infant Cleft Observer Outcomes (ICOO): Identification Of Observable Signs Of Health And Well-Being In Infants With Clefts

8:40 - 8:50 am

*Laura Stueckle*

Abstract: 182

#### Discussion

8:50 - 9:00 am

### Concurrent General Session B: Orthodontics

8:00 - 9:00 am - Broadmoor Hall D

*Chair: Ana M. Mercado, DMD, PhD*

*Co-Chair: Kristen M. Lowe, DDS, MS*

Educational Objective(s): Learners will be able to discuss new topics related to orthodontic cleft and craniofacial care.

#### Treatment Of Class III Malocclusion With Anchored Maxillary Protraction In Cleft Children

8:00 - 8:10 am

*Yijin Ren*

Abstract: 183

#### A Primer On State Statutory Mandates Of Third-Party Orthodontic Coverage For Cleft Palate And Craniofacial Care

8:10 - 8:20 am

*Kristin D. Pfeifauf*

Abstract: 184

#### Orthodontists And Cleft Palate Care- Identifying Barriers To Participation

8:20 - 8:30 am

*Chuen Chie Chiang, Suzanne Beshore*

Abstract: 185

#### Adherence To Orthodontic Treatment In Youth With Cleft Lip And/Or Palate

8:30 - 8:40 am

*Canice Crerand*

Abstract: 186

#### Mandibular And Maxillary Cephalometric Analysis Of Treacher Collins Syndrome (TCS)

8:40 - 8:50 am

*Elcin Esenlik*

Abstract: 187

\*Separate Registration required. \* Invitation Only. ~Event organized by party other than ACPA.  
^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

**Discussion**

8:50 - 9:00 am

**Concurrent General Session C: ASCFS Linton Whitaker Lecture**

8:00 - 9:00 am - Broadmoor Hall E

*Chair: Jack C. Yu, DMD, MD, MS Ed*

*Henry Kawamoto*

Educational Objective(s): Each learner will be able to discuss the history and current challenges of American craniofacial surgery.

Abstract: 188

**Poster Session C**

8:00 am - 6:30 pm - International Center Foyer

Presenters will be with their posters during the morning and afternoon breaks.

Educational Objective(s): The learner will discuss the subject and findings of the cleft and craniofacial research presented on the posters in this session.

**A Comparative Study Of Two Primary Palatal Surgeries On Velopharyngeal Functioning Related To Speech Outcomes Completed By One Surgeon**

*Patricia Stone*

Abstract: 176

**A Model For Coordinated Interdisciplinary Care For Children With 22q11.2 Deletion Syndrome**

*Courtney Hall*

Abstract: 157

**An Online Multimedia Educational Simulator For The Multidisciplinary Speech Care Of Patients With Cleft Palate**

*J. Rodrigo Diaz-Siso*

Abstract: 162

**Are The Pre-Operative Anthropometric Measurements Of The Cleft Palate In Pierre Robin Sequence Different From That In Isolated Cleft Palate?**

*Paula Tang*

Abstract: 158

**Assessment Of Blood Loss In Adult Patients With Cleft Lip And Palate Treated By Orthognathic Surgery Designed With 3-Dimensional Computer-Assisted Simulation And Navigation**

*Chi-Yu Tsai*

Abstract: 156

**Assisted Reproductive Technology (ART), Teratogens And Orofacial Clefting In A Large Academic Cleft Clinic**

*Julie Hoover-Fong*

Abstract: 173^

**Enhanced Care-Plan Impacts On Length Of Hospital Stay For Cleft Operations In A Regional Centre: An Interim Analysis**

*Chiu Yu Chow*

Abstract: 170

**Establishing Within-Team Reliability On Speech Therapy Measures And Documentation For Articulation, Voice And Resonance**

*Jennifer Maybee*

Abstract: 165

**Evaluation Of The Pierre Robin Sequence Mandible And Airway Using Computed Tomography**

*Daniel Bienstock*

Abstract: 153

**Examination Of The Treatment Of Early Childhood Caries Under General Anesthesia In Children With Craniofacial Anomalies**

*Andrew Winslow*

Abstract: 160

**First Birthday, First Dental Visit: Are Patients With Cleft Lip And/Or Palate Meeting This Recommendation?**

*Virginia Yanez Fontenla*

Abstract: 161

**IRF6 Regulates Apoptosis Mechanism Through HIPK2 During Palatal Fusion**

*Chen-Yeh Ke*

Abstract: 62

**Le Fort II Distraction With Simultaneous Zygomatic Repositioning For Severe Sleep Apnea In Achondroplasia**

*Gerhard S. Munding*

Abstract: 177

**Long Term Effects Of Nasoalveolar Molding In Patients With Complete Unilateral Cleft Lip And Palate**

*Azadeh Reyhani*

Abstract: 159

**Mandibular Catch-Up Growth In Pierre Robin Sequence: A Systematic Review**

*Lindsay Janes*

Abstract: 168

**Marginal Bone Loss Around Implants Placed Into Alveolar Cleft Sites Following Secondary Bone Graft**

*Takaaki Kamatani*

Abstract: 150

**Nasalance Scores In Vietnamese Children With Repaired Cleft Palate With Or Without Cleft Lip**

*Thai Nguyen*

Abstract: 163

**Nasolabial Fistula In Cleft Lip And Palate: Burden Of Disease, And Multi-Center Evaluation Of A Technique To Prevent And Treat**

*Jordan Swanson*

Abstract: 174

\*Separate Registration required. \*Invitation Only. -Event organized by party other than ACPA.  
^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

– ACPA's Annual Meeting Program: Friday

**Occult Submucous Cleft Palate – Surgery Or Conservative Treatment?: Retrospective Monocentric 10-Year Study**

*Olga Košková*

Abstract: 164

**Pierre Robin Sequence: Stratifying Feeding Dysfunction And Identifying Variables Affecting Outcome**

*Wendy Chen*

Abstract: 169

**Precise Positioning Of An Intraoral Distractor Using Augmented Reality In Patients With Hemifacial Microsomia**

*Song Xu*

Abstract: 166

**Predicting Factors Of Complication In Cleft Lip And Palate Surgery: A Prospective Outcomes Study In Nicaragua**

*Marco Swanson*

Abstract: 167

**Primary Surgical Outcome Of Complete Unilateral Cleft Lip And Palate Patients Born In New Zealand Using A Visual Analogue Scale (VAS) And The GOSLON Assessment Of 3d Digital Orthodontic Study Models**

*Peter Fowler*

Abstract: 171

**Speech And Psychosocial Status In Patients Presenting With Velopharyngeal Dysfunction**

*Leanne Magee*

Abstract: 175

**Surgically Enforcing Normalcy: A Critical Analysis Of International Craniofacial NGOs**

*Marley Hamrick*

Abstract: 151

**The Effects Of Speech Stimulus On The Reliability Of Visual Judgments Of VP Physiology**

*Amanda Warner*

Abstract: 154

**The Impact Of Timing And Concurrent Fronto-Orbital Advancement On Postoperative Complications Of Craniosynostosis Repair In The United States**

*Peter Abraham*

Abstract: 155

**Use Of The Universal Parameters Rating System To Assess Severity Of Velopharyngeal Insufficiency And Determine Need For Imaging And Surgery**

*Courtney Stephens*

Abstract: 152<sup>^</sup>



**American Cleft Palate–  
Craniofacial Association**

**ACPA Annual Business Meeting<sup>+</sup>**

9:00 - 10:00 am - Broadmoor Hall F

Open to all ACPA members. ACPA Active, International and Life Members are eligible to vote.

**Morning Break**

10:00 - 10:30 am - Broadmoor Hall Foyer

Meet with exhibitors or discuss posters with their presenters in the International Center Foyer.

**Junior Investigator Meet and Greet**

10:00 - 10:30 am - CPF Exhibit Table

Meet the winners of the 2017 Junior Investigator Awards to discuss their research. The Junior Investigator Award is sponsored by Children's Healthcare of Atlanta.

**Concurrent Session 1: ASCFS 1**

10:30 am - 12:00 pm - Broadmoor Hall E

*Chair: Stephen B. Baker, DDS, MD*

*Co-Chair: Steven R. Buchman, MD*

Educational Objective(s): Learners will be able to discuss new research findings or surgical management techniques related to craniofacial surgery.

**Long-Term Stability Of Proptosis Correction By Le Fort III Distraction Osteogenesis In Pre-Adolescent Patients With Syndromic Craniosynostosis**

10:30 - 10:40 am

*Travis Gibson*

Abstract: 189

**Defining And Correcting Orbital Asymmetry In Isolated Unilateral Frontosphenoidal Synostosis As Compared To Unicoronal Synostosis: A Case-Control Study**

10:40 - 10:50 am

*Gerhard S. Munding*

Abstract: 190

**Long-Term Outcomes At Skeletal Maturity Following Cranial Vault Remodeling And Fronto-Orbital Advancement For Metopic Craniosynostosis**

10:50 - 11:00 am

*Simrat Suri*

Abstract: 191

**Craniosynostosis Surgery: Impact Of TXA Dosing**

11:00 - 11:10 am

*Nicole Kurnik*

Abstract: 192

**Discussion**

11:10 - 11:20 am

**3D CT Airway Analysis In Patients With Syndromic Craniosynostosis And Obstructive Sleep Apnea**

11:20 - 11:30 am

*Karan Ganjawalla*

Abstract: 193

**Nasal Root Deviation In Unicoronal Craniosynostosis: A Craniometric Analysis Of Early And Late Postoperative Outcomes**

11:30 - 11:40 am

*Ari Wes*

Abstract: 194

**Anthropometric Outcome Measures In Patients With Metopic Craniosynostosis**

11:40 - 11:50 am

*Scott Farber*

Abstract: 195

**Discussion**

11:50 am - 12:00 pm

**Concurrent Session 2: Nursing/Coordinators: Psychosocial**

10:30 am - 12:00 pm - Broadmoor Hall C

*Chair: Jamie S. Idelberg, BS, RDH*

*Co-Chair: Iris H. Sageser, RDH, MS*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to the psychosocial aspect of cleft and craniofacial patient management.

**Developing The Social Work Role In An Integrated Clinical Pathway For Weight-Faltering Infants With Craniofacial Conditions**

10:30 - 10:40 am

*Andrew Woolley*

Abstract: 196^

**The Camp Experience For Patients With Cleft/ Craniofacial Diagnosis**

10:40 - 10:50 am

*Savannah Brown*

Abstract: 197

**Addressing Psychosocial Concerns With Children With Microtia And Their Families**

10:50 - 11:00 am

*Alexis Johns*

Abstract: 198

**Advance Health Care Directives For Young Adults In Craniofacial Care**

11:00 - 11:10 am

*Laura Garcia*

Abstract: 199

**Discussion**

11:10 - 11:20 am

**The Challenges Of Mental Health Professionals On Craniofacial/Cleft Teams: Perspectives From The Field**

11:20 - 11:50 am

*Adam Blancher*

Abstract: 200

**Discussion**

11:50 - 12:00 am

**Concurrent Session 3: Dissemination and Implementation of a Standard Set of Outcome Measures for the Comprehensive Appraisal of Cleft Care**

10:30 am - 12:00 pm - Broadmoor Hall D

*Chair: Frederic W. Deleyiannis, MD, MPhil, MPH*

*Co-Chair: Ronald Reed Hathaway, DDS, MS, MS*

*John Meara, Ross Long Jr., Alexander Allori, Kathy Chapman, Carolyn Rogers-Vizena, Jason Arora, Maarten Koudstaal*

Educational Objective(s): Attendees will describe how to address logistical, cultural, linguistic, and political challenges of developing and implementing a standard set of outcome measures broadly applicable to an international population. Most importantly, attendees will explain how regional and international benchmarking is essential to guide future changes in clinical practice and health policy.

Abstract: 201^

**Concurrent Session 4: Speech-Language Pathology**

10:30 am - 12:00 pm - Colorado Hall D

*Chair: Scott A. Dailey, PhD*

*Co-Chair: Jennifer L. Maybee, MA*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to treating the speech of cleft/craniofacial patients.

**Development Of Early Sounds And Words In Children With And Without Repaired Cleft Palate**

10:30 - 10:40 am

*David Zajac*

Abstract: 202^

**Single-Word Intelligibility Of School-Aged Children With Unrepaired Alveolar Clefts**

10:40 - 10:50 am

*David Zajac*

Abstract: 203^

**Lexical And Morphosyntactic Abilities In Two-Year-Old Children With And Without Repaired Cleft Palate**

10:50 - 11:00 am

*Marziye Eshghi*

Abstract: 204

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^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.



– ACPA's Annual Meeting Program: Friday

**Associations Between Articulation Skill And Later Phonological Awareness**

11:00 - 11:10 am

Mary O'Gara

Abstract: 205

**Discussion**

11:10 - 11:20 am

**A Mathematical Model Of Closure Biomechanics Predicts Resonance Ratings Among Children With 22q11.2 Deletion Syndrome**

11:20 - 11:30 am

Lakshmi Kollara

Abstract: 172

**Speech Outcomes After LeFort I Osteotomy**

11:30 - 11:40 am

Laura Monson

Abstract: 207

**Benchmarking Speech Outcomes Of Kindergarteners With Cleft Palate**

11:40 - 11:50 am

Kathy Chapman

Abstract: 208

**Discussion**

11:50 am - 12:00 pm

**Concurrent Session 5: Craniofacial Biology**

10:30 am - 12:00 pm - Colorado Hall E

Chair: Greg M. Cooper, PhD

Co-Chair: Oksana A. Jackson, MD

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to treating patients with cleft and craniofacial anomalies.

**Neonatal Satellite Cells Form Only Small Myotubes In Vitro: Implications For New Therapies Based On Tissue Engineering**

10:30 - 10:40 am

Paola L. Carvajal Monroy

Abstract: 92

**Functional Characterization In Zebrafish Of Human GRHL3 Mutations Associated With Cleft Palate In Sub-Saharan African Populations**

10:40 - 10:50 am

Azeez Butali

Abstract: 210

**Alveolar Bone Regeneration With A Novel Osteogenic Agent, Oxy133**

10:50 - 11:00 am

Reena Bakshi

Abstract: 211

**Determining The Cause Of Growth Restriction And Asymmetry Following Early Craniofacial Skeletal Surgery Using Finite Element Analysis**

11:00 - 11:10 am

Jones Donna

Abstract: 212

**Discussion**

11:10 - 11:20 am

**Development Of The First Permanent Mandibular Molar In Young Children With Bilateral Complete Cleft Lip And Palate (Bccp)**

11:20 - 11:30 am

Nuno V Hermann

Abstract: 213

**Analysis Of Follicle-Stimulating Hormone Receptor Expression In Infantile Hemangioma**

11:30 - 11:40 am

Reid Maclellan

Abstract: 214

**Digital-Facial Autotransplantation In Amniotic Band Sequence: Evidence Of The Intrinsic Theory**

11:40 - 11:50 am

Christopher Runyan

Abstract: 215

**Discussion**

11:50 am - 12:00 pm

**Lunch Break**

12:00 pm - 1:30 pm

Lunch is available for purchase in Broadmoor Hall A. Meet with exhibitors in the Broadmoor Hall Foyer or view posters in the International Center Foyer.



American Society  
of  
Craniofacial Surgery

**ASCFS Business Meeting and Luncheon\***

12:00 - 1:30 pm -

Donald Ross Room, Golf Club

Open to ASCFS Members.

Tickets are available at registration.

**Nurse/Coordinator Brown Bag Lunch**

12:00 - 1:30 pm - Broadmoor Hall F

Nurse and Team Coordinators are encouraged to network over a brown bag lunch.

**Payment Models for Craniofacial Orthodontic Services- Brown Bag Lunch~**

12:00 - 1:30 pm - Colorado Hall B

Deji Fashemo

Panelists will bring their respective points of view to the discussion of how payments for orthodontic services are currently structured; the presentation will cover the pros, cons, challenges, and potential opportunities of the various

models as currently done for patients with facial clefts and other craniofacial anomalies.

**ICHOM Cleft Lip and Palate Benchmarking Launch-**

12:00 - 1:30 pm - Colorado Hall C

*Jason Arora*

**Basic Principles of Cleft Care for Residents and Fellows - Brown Bag Lunch-**

12:00 - 1:30 pm - Colorado Hall F

*Steve Goudy*

Residents and Fellows of all disciplines are invited to attend.

**ACPA Board Meeting+**

12:00 pm - 3:30 pm - El Pomar Boardroom, El Pomar Building

**Concurrent Session 6: ASCFS 2**

1:30 - 3:00 pm - Broadmoor Hall E

*Chair: Mark M. Urata, MD, DDS*

*Co-Chair: John A. van Aalst, MD*

Educational Objective(s): Learners will be able to discuss new research findings or surgical management techniques related to craniofacial surgery.

**3D Mandibular Morphology In Pierre Robin Sequence**

1:30 - 1:40 pm

*Elizabeth Zellner*

Abstract: 216

**Effect Of Osteotomy Type And Stage Of Tooth Development On Tooth Viability Following Distraction Osteogenesis In Patients With Maxillary Hypoplasia**

1:40 - 1:50 pm

*Mariana Muguerra*

Abstract: 217

**Infection Rates In Infant Mandibular Distraction Can Be Reduced With A Perioperative Protocol**

1:50 - 2:00 pm

*Patrick Gerety*

Abstract: 218

**Patterns Of Minor Suture Synostosis In Nonsyndromic Single Suture Craniosynostosis**

2:00 - 2:10 pm

*Wen Xu*

Abstract: 219

**Discussion**

2:10 - 2:20 pm

**Muscle-Derived Stem Cells (MDSCs) Can Transform Into Schwann Cell-Like Cells: Preliminary Studies Assessing The Phenotype And Functional Myelination Properties Of MDSCs In-Vitro**

2:20 - 2:30 pm

*Joseph Lopez*

Abstract: 220

**Mitigation Of Radiation Induced Injury In Non-Vascularized Bone Graft Reconstruction Of The Murine Mandible Using A Novel Deferoxamine Nanoparticle**

2:30 - 2:40 pm

*Russell Ettinger*

Abstract: 221

**Secondary Deformities Of Neonatal And Infant Mandibular Distraction**

2:40 - 2:50 pm

*Christian El Amm*

Abstract: 222

**Discussion**

2:50 - 3:00 pm

**Concurrent Session 7:**

**Nursing/Coordinators: Feeding**

1:30 - 3:00 pm - Broadmoor Hall C

*Chair: Margaret Langham, PNP*

*Co-Chair: Maureen L. Smith Andrews, MSN*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to the feeding aspect of cleft and craniofacial patient management.

**Interdisciplinary Assessment And Intervention Addressing Feeding Disorders And Mealtime Challenges In Children With Clefts And Craniofacial Differences**

1:30 - 1:40 pm

*Noreen Clarke*

Abstract: 223

**Weight Gain In Infants With Cleft Palate/Cleft Lip From Birth To 3 Months Considering Cleft And Bottle Type**

1:40 - 1:50 pm

*Jessica Williams*

Abstract: 224

**Parental Information, Knowledge And Understanding Of The Importance Of Tummy Time For Preventing Deformational Plagiocephaly: A Survey**

1:50 - 2:00 pm

*Kanlaya Ditthakasem*

Abstract: 225

**Nurse Practitioner Implementation Of Nasoalveolar Molding**

2:00 - 2:05 pm

*Carolyn Walborn, Bethany Giacobbe*

Abstract: 226

**Discussion**

2:05 - 2:20 pm

**Feeding Panel: Interdisciplinary Approaches To Feeding Challenges Of Cleft /Craniofacial Care**

2:20 - 2:50 pm

*Brenda Thompson, Debra Paul, Noreen Clarke*

Abstract: 227

\*Separate Registration required. \*Invitation Only. -Event organized by party other than ACPA.

^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

– ACPA's Annual Meeting Program: Friday

**Discussion**

2:50 - 3:00 pm

**Concurrent Session 8: Outcomes**

1:30 - 3:00 pm - Broadmoor Hall D

*Chair: Michael Perrino, DDS, MD*

Educational Objective(s): Learners will be able to discuss current outcomes for patients with cleft and craniofacial anomalies.

**Pediatric Nasoorbitalethmoid Fractures:  
A Single Institution's Thirty Year Experience**

1:30 - 1:40 pm

*Joseph Lopez*

Abstract: 228

**Long-Term Speech, Hearing And Cognitive Outcomes In Cleft Patients: A Population-Based Study In The Israeli Army Recruits**

1:40 - 1:50 pm

*Ayal Hassidim*

Abstract: 229

**Speech And Surgical Outcomes In International Adoptees With Cleft Palate**

1:50 - 2:00 pm

*Mitchell Pet*

Abstract: 230

**Long-Term Outcomes Of Demineralized Bone Matrix And Resorbable Mesh Bilaminar Cranioplasty In Large Pediatric Calvarial Defects In The Setting Of Scarred Dura**

2:00 - 2:10 pm

*Jonathan Lee*

Abstract: 231

**Discussion**

2:10 - 2:20 pm

**Clinical Outcomes Of Anterior Iliac Crest Bone Grafting In 207 Patients With Alveolar Clefts, A Five Year Perspective**

2:20 - 2:30 pm

*Kathlyn Powell*

Abstract: 291

**The Affects Of Sphincter Pharyngoplasty On Polysomnography In Patients With Velopharyngeal Insufficiency**

2:30 - 2:40 pm

*Diana Flis*

Abstract: 232

**BMP-2 Alveolar Bone Reconstruction Has Improved Bone Healing Without Significant Differences In Dental Outcomes**

2:40 - 2:50 pm

*Lawrence Rudolf*

Abstract: 233

**Discussion**

2:50 - 3:00 pm

**Concurrent Session 9: CLP Surgery**

1:30 - 3:00 pm - Colorado Hall D

*Chair: Sean P. Edwards, MD, DDS, FRCDC*

*Co-Chair: Isaac L. Wornom, III, MD*

Educational Objective(s): Learners will be able to discuss new topics related to cleft lip and palate surgery.

**The Double Opposing Z-Plasty/Buccal Flap Approach For The Cleft Palate: A Review Of 505 Consecutive Cases**

1:30 - 1:40 pm

*Robert Mann*

Abstract: 234

**Effect Of Palate Length In Velopharyngeal Function After Primary Palatoplasty**

1:40 - 1:50 pm

*Jui-Pin Lai*

Abstract: 235

**Sufficient Velar Length Is Prerequisite To The Effectiveness Of Intravelar Veloplasty: A Randomized Controlled Study**

1:50 - 2:00 pm

*Jingtao Li*

Abstract: 236

**Comparison Of Alveolar Bone Graft Outcomes With Or Without The Use Of Cortical Bone Graft For Nasal Floor Reconstruction In Cleft Lip And Palate**

2:00 - 2:10 pm

*Jean-Charles Doucet*

Abstract: 237

**Discussion**

2:10 - 2:20 pm

**Pediatric Intensive Care Unit Monitoring After Pharyngeal Flap Surgery: Is It Necessary?**

2:20 - 2:30 pm

*Sashank Reddy*

Abstract: 238

**Extended Release Liposomal Bupivacaine Injection (Exparel®) For Early Postoperative Pain Control Following Pharyngoplasty: A Case Series**

2:30 - 2:40 pm

*Kristopher Day*

Abstract: 239

**A 20 Year Retrospective Clinical Study Of One vs. Two-Stage Repair Of Asymmetric Bilateral Cleft Lip In A Single Large Cleft Center**

2:40 - 2:50 pm

*Kyunghoon Chung*

Abstract: 240

**Discussion**

2:50 - 3:00 pm

**Concurrent Session 10: Psychosocial/GoL**

1:30 - 3:00 pm - Colorado Hall E

*Chair: Amy L. Conrad, PhD*

*Co-Chair: Canice E. Crerand, PhD*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to the quality of life of patients with cleft and craniofacial anomalies.

**Arithmetical Calculation And Related Neuropsychological Skills In Subjects With Isolated Oral Clefts**

1:30 - 1:40 pm

*Jon Goodwin*

Abstract: 241

**Reading Achievement In Boys With Isolated Cleft Palate And Cleft Lip And Palate Compared To Unaffected Boys With And Without Impaired Reading**

1:40 - 1:50 pm

*Amy Conrad*

Abstract: 242

**Eye Tracking Technology: A Window Into How We Perceive Craniofacial Differences Using Analysis Of Eye Movement**

1:50 - 2:00 pm

*Christopher Warne*

Abstract: 288

**An Investigation Into Rates Of Impairment In Reading Fluency And Comprehension Among Children With Orofacial Clefts: Implications For Intervention**

2:00 - 2:10 pm

*Meredith Albert*

Abstract: 244

**Discussion**

2:10 - 2:20 pm

**Perceptions Of Surgeons, Parents, And Children: What Are The True Indications For Surgical Revision?**

2:20 - 2:30 pm

*Kavitha Ranganathan*

Abstract: 245

**Psychosocial Risk Assessment In Craniofacial Populations: Psychometric Properties Of The Psychosocial Assessment Tool-Craniofacial Version**

2:30 - 2:40 pm

*Canice Crerand*

Abstract: 246

**Development Of Social Communication Skills In Children With And Without Repaired Cleft Palate**

2:40 - 2:50 pm

*Marziye Eshghi*

Abstract: 247

**Discussion**

2:50 - 3:00 pm

**Afternoon Break**

3:00 - 3:30 pm - Broadmoor Hall Foyer

Meet with exhibitors or discuss posters with their presenters in the International Center Foyer.

**Concurrent Session 11: Craniosynostosis**

3:30 - 5:00 pm - Broadmoor Hall E

*Chair: Arun K. Gosain, MD*

*Co-Chair: Brooke French, MD*

Educational Objective(s): Learners will be able to discuss new research findings or surgical management techniques related to Craniosynostosis.

**Incidence Of Metopic Suture Abnormalities In Patients With Positional Plagiocephaly/Brachycephaly**

3:30 - 3:40 pm

*Leslie Shock*

Abstract: 248

**Minor Suture Fusion In Syndromic Craniosynostosis**

3:40 - 3:50 pm

*Christopher Runyan*

Abstract: 249

**Personalized Optimal Planning Of Fronto-Orbital Advancement Surgery For The Correction Of Metopic Craniosynostosis From CT**

3:50 - 4:00 pm

*Antonio R. Porras*

Abstract: 250

**Visual Evoked Potential (VEP) Testing And Craniofacial Synostosis (CS): Results In 67 Patients**

4:00 - 4:10 pm

*Maria Teresa Nunez-Villaveiran Baselga*

Abstract: 251

**Discussion**

4:10 - 4:20 pm

**Understanding Orbital Dysmorphology And Strabismus In Unicoronal Craniosynostosis Patients Undergoing Frontal Orbital Advancement And Remodeling**

4:20 - 4:30 pm

*Jason Yu*

Abstract: 252

**Analysis Of Acute Adverse Postoperative Outcomes After Craniosynostosis Surgery: Identifying Predictors Of Complications**

4:30 - 4:40 pm

*Shirley Dong*

Abstract: 253

– ACPA's Annual Meeting Program: Friday

**Evaluation Of Endoscopic Suture Release Of Bilateral Coronal Craniosynostosis At Two Institutions**

4:40 - 4:50 pm

*Conor Williams*

Abstract: 254

**Discussion**

4:50 - 5:00 pm

**Concurrent Session 12: Nursing/ Coordinators: Team Coordination**

3:30 - 5:00 pm - Broadmoor Hall C

*Chair: Patricia L. Bender, RN, CNS*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to team coordination for patients with cleft and craniofacial anomalies.

**Creating An Annual Report For Your Cleft And Craniofacial Program**

3:30 - 3:40 pm

*Melisande McCheyne*

Abstract: 255

**Time Tracking For Cleft And Craniofacial Team**

3:40 - 3:50 pm

*Cheryl Grellner*

Abstract: 256

**Ethical Considerations In Medical Record Documentation For Multidisciplinary Craniofacial Care**

3:50 - 4:00 pm

*Karla Haynes*

Abstract: 257

**Health Policy And Economics: How They Impact The Craniofacial Population**

4:00 - 4:10 pm

*Patricia Bender*

Abstract: 258

**Discussion**

4:10 - 4:20 pm

**Enhancing Nutrition After Orthognathic Surgery: An Interdisciplinary Approach**

4:20 - 4:30 pm

*Noreen Clarke*

Abstract: 259

**Distraction Osteogenesis: Is The Patient/Family A Good Candidate? How Do We Individualize Their Preparation And Management?**

4:30 - 4:40 pm

*Patricia Chibbaro*

Abstract: 260

**Management Of Large Palatal Fistulas: A Multidisciplinary Approach**

4:40 - 4:50 pm

*Dana Johns, Elena Hopkins*

Abstract: 261

**Discussion**

4:50 - 5:00 pm

**Concurrent Session 13: Cleft Care**

3:30 - 5:00 pm - Broadmoor Hall D

*Chair: Gregory C. Allen, MD*

*Co-Chair: David Y. Khechayan, MD*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to cleft care.

**Defining The Main Contributors To The Desire For Cleft Revision Surgery**

3:30 - 3:40 pm

*Jeanne Kochkodan*

Abstract: 262

**What Is The Cost Of "Free" Surgery In The Middle East?**

3:40 - 3:50 pm

*Samar Sheriff*

Abstract: 263

**Embracing Life Project: Blending Clinical Cleft Expertise With Education And Research In The Middle East**

3:50 - 4:00 pm

*John van Aalst*

Abstract: 264

**Quality Of Life And Objective Measurement Of Facial Differences In Youth With CL/P**

4:00 - 4:10 pm

*Celia Heppner*

Abstract: 265

**Discussion**

4:10 - 4:20 pm

**Assessing Attentional Bias In Children With Secondary Cleft Lip Deformities: An Eye-Tracking Investigation**

4:20 - 4:30 pm

*Alexander Morzycki*

Abstract: 266

**Precedex™ Decreases Postoperative Pain And Narcotic Use In Children Undergoing Alveolar Bone Graft Surgery**

4:30 - 4:40 pm

*Mariela Lopez*

Abstract: 267

**Factors Contributing To Sleep Disordered Breathing And Obstructive Sleep Apnea In Children With Orofacial Clefts**

4:40 - 4:50 pm

*Jeremy Powers*

Abstract: 268

**Discussion**

4:50 - 5:00 pm



**Concurrent Session 14: Genetics/Pediatrics**

3:30 - 5:00 pm - Colorado Hall D

*Chair: Azeez Butali, DDS, PhD*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to genetic and pediatric considerations of cleft care.

**Incidence And Management Of Congenital Heart Disease In Patients With Clefts: Comprehensive Review Of A Tertiary Children's Hospital**

3:30 - 3:40 pm

*Naikhoba Munabi*

Abstract: 289

**Expanding The Phenotypic Spectrum Of Tp63-Associated Disorders Including First Set Of Affected Monozygotic Twins**

3:40 - 3:50 pm

*Brittany Cowfer*

Abstract: 269

**Facial Phenotypic Features And Fingerprints On Parents Of Children With Non-Syndromic Cleft Lip And/Or Palate As A Risk Factor For Their Offspring**

3:50 - 4:00 pm

*Maria Martinez*

Abstract: 270

**Resolving A Genetic Odyssey Of Mandibulofacial Dysostosis Using Next-Generation Sequencing**

4:00 - 4:10 pm

*Shankar Rengasamy Venugopalan*

Abstract: 271

**Discussion**

4:10 - 4:20 pm

**Transcriptome Atlas Of The Craniofacial Sutures**

4:20 - 4:30 pm

*Ethylin Jabs*

Abstract: 272

**The Impact Of Breast Milk On Tympanostomy Tube Sequelae In Children With Cleft Palate**

4:30 - 4:40 pm

*Amber Shaffer*

Abstract: 273

**Sleep Patterns And Problems Among Children With 22q11.2 Deletion Syndrome**

4:40 - 4:50 pm

*Jill Arganbright*

Abstract: 274

**Discussion**

4:50 - 5:00 pm

**Concurrent Session 15: Imaging and Technology**

3:30 - 5:00 pm - Colorado Hall E

*Chair: Anand R. Kumar, MD*

Educational Objective(s): Learners will be able to discuss new research findings or techniques related to imaging and technology in cleft care.

**Which Velar And Muscle Parameters Most Influence Closure Biomechanics In 22q11.2ds?**

3:30 - 3:40 pm

*Catherine Pelland*

Abstract: 275

**Objective Automated Shape-Based Analysis For Grading The Unilateral Cleft Lip Nasal Deformity On 3D Surface Images**

3:40 - 3:50 pm

*Ezgi Mercan*

Abstract: 276

**The Accuracy Of Transferring 3-Dimensional Simulation Of Two-Jaw Orthognathic Surgery For Correcting Cleft Midface Hypoplasia With Class III Malocclusion By Using Surgical Guiding System**

3:50 - 4:00 pm

*Jui-Pin Lai*

Abstract: 277

**Novel Computer Vision Analysis Of Nasal Shape In Children With Unilateral Cleft Lip**

4:00 - 4:10 pm

*Ezgi Mercan*

Abstract: 278

**Discussion**

4:10 - 4:20 pm

**An Innovative, Non-Sedated MRI Protocol To Assess Velopharyngeal Variations In Children With 22q11.2 Deletion Syndrome**

4:20 - 4:30 pm

*Lakshmi Kollara*

Abstract: 279

**A Three-Dimensional Subject-Specific Computational Model Of VPD Represents Velar Movements And LVP Function During Hypernasal Speech**

4:30 - 4:40 pm

*Catherine Pelland*

Abstract: 290

**Comparing The Consistency Of Measures Of Cranial Shape Obtained From Laser Surface Scans To Computed Tomography**

4:40 - 4:50 pm

*Leslie Shock*

Abstract: 280

\*Separate Registration required. \*Invitation Only. -Event organized by party other than ACPA.  
^Abstract has disclosures. See ACPA's Annual Meeting Abstract Book for details.

## – ACPA's Annual Meeting Program: Friday

### Discussion

4:50 - 5:00 pm

### ASCFS Craniofacial Program Directors Meeting\*

5:00 - 7:00 pm - El Pomar Boardroom, El Pomar Building

### International Reception

5:30 - 6:30 pm - Fountain Room, Broadmoor Main

Attendees are invited to attend a reception to network with international attendees.

### Developing 3D Printing Facilities at Institutions~

5:30 - 6:30 pm - Colorado Hall B

*Gary Skolnick*

In this informal discussion, representatives with experience developing 3D printing facilities at three separate institutions will share their experience and facilitate the discussion. Attendees are invited to ask questions, as well as outline their own experiences and visions for 3D printing as applied to cleft and craniofacial conditions.

### Discussion on Improving Medicaid Access to Care~

5:30 - 6:30 pm - Colorado Hall F

*Suzanne Beshore*

Attendees will discuss opportunities to improve the Medicaid system in order to increase provider participation and access to care for children with cleft lip and palate.

### Fellowship Opportunities for OMFS~

5:30 - 6:30 pm - Colorado Hall C

*Pat Ricalde*

In this informal meeting, attendees will discuss fellowship opportunities for OMFS.

## SATURDAY, MARCH 18, 2017

### Registration

7:30 am - 1:00 pm - Broadmoor Hall Foyer

### Concurrent General Session D: Health Services Research

8:00 - 9:00 am - Broadmoor Hall D

*Chair: Alexis L. Johns, PhD*

*Co-Chair: Allison M. Dobbie, MD*

Educational Objective(s): Learners will be able to discuss new findings or techniques in health services research of cleft care.

### Maternal Folic Acid Intake And Oral Clefts In Puerto Rican Children

8:00 - 8:10 am

*Carmen Buxo*

Abstract: 281

### Enteral Feeding Tube Placement In Patients Born With Orofacial Clefts

8:10 - 8:20 am

*Thanapoom Boonipat*

Abstract: 282

### Exceptional Services: Special Education Use In Elementary School Children With A Nonsyndromic Orofacial Cleft

8:20 - 8:30 am

*Stephanie Watkins*

Abstract: 283

### Do Sociodemographics Influence Cleft Lip And Palate Treatment? One Hospital's Experience With Nasoalveolar Molding

8:30 - 8:40 am

*Isabella Guajardo*

Abstract: 284

### Assessing Burden Of Care In The Cleft Lip And Palate Patient: Factors Influencing Success And Failure Of Nasoalveolar Molding

8:40 - 8:50 am

*Riley Dean*

Abstract: 285

### Discussion

8:50 - 9:00 am

### Concurrent General Session E: ASCFS Panel - Current Concepts in Treatment Planning of Advanced Craniofacial Anomalies

8:00 - 10:00 am - Broadmoor Hall E

*Chair: Stephen B. Baker, DDS, MD*

*Craig Birgfeld, Jesse Taylor, Raymond Harshbarger*

Educational Objective(s): Each learner will be able to discuss at least two approaches to using technology in the planning of craniofacial surgery.

Abstract: 286

### Morning Break

10:00 - 10:30 am - Broadmoor Hall Foyer

### Virtual Planning in Craniomaxillofacial Surgery

10:30 am - 12:30 pm - Broadmoor Hall E

*Chair: Sean P. Edwards, MD, DDS, FRCDC*

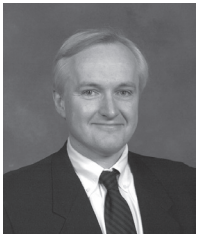
*Sean Edwards, John Caccamese, Gerhard Munding*

Educational Objective(s): Each learner will be able to discuss virtual planning and how it is used in a variety of surgeries.

Abstract: 287

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# The Cleft Palate-Craniofacial Journal

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# ACPA Financial Statements FY2016

## STATEMENT OF FINANCIAL POSITION

June 30, 2016

### ASSETS

#### Current Assets

Cash and cash equivalents	\$431,575
Accounts receivable	\$18,547
Due from The Cleft Palate Foundation	\$76,686
Bequest receivable, current	\$384,373
Grant receivable— The Cleft Palate Foundation	\$132,310
Other assets	\$44,757
<b>Total current assets</b>	<b>\$1,088,248</b>

#### Non-Current Assets

Bequest receivable, net, non-current	\$344,439
Investments	\$797,746
<b>Total non-current assets</b>	<b>\$1,142,185</b>

#### Fixed Assets

Building, furniture, equipment, and software	\$681,055
Less: accumulated depreciation/amortization	(\$357,715)
<b>Total fixed assets</b>	<b>\$323,340</b>

<b>TOTAL ASSETS</b>	<b>\$2,553,773</b>
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## LIABILITIES AND NET ASSETS

### Current Liabilities

Accounts payable	\$34,492
Accrued liabilities	\$29,010
Deferred revenue	\$214,137
<b>Total current liabilities</b>	<b>\$277,639</b>

### Net Assets

Unrestricted	\$1,407,615
Temporarily restricted	\$868,519
<b>Total net assets</b>	<b>\$2,276,134</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$2,553,773</b>

## STATEMENT OF ACTIVITIES

For the year ended June 30, 2016

### Operating Revenues and Other Support

	Unrestricted	Temporarily restricted	Total
Membership dues and fees	\$410,419		\$410,419
Annual Meeting			
• Exhibits	\$54,205		\$54,205
• Commercial support	\$38,585		\$38,585
• Registration	\$334,618		\$334,618
Cleft Palate-Craniofacial Journal	\$45,000		\$45,000
CAT application fees	\$28,740		\$28,740
Grants	\$115,000	\$139,707	\$254,707
Individual Contributions	\$169	\$728,812	\$728,981
Other Income	\$22,260		\$22,260
<b>Total operating revenues and support</b>	<b>\$1,048,996</b>	<b>\$868,519</b>	<b>\$1,917,515</b>

### Operating expenses

	Unrestricted	Temporarily restricted	Total
Programs			
• Membership and team services	\$226,534		\$226,534
• Annual Meeting	\$478,327		\$478,327
• Educational and research initiatives	\$51,514		\$51,514
• Cleft Palate-Craniofacial Journal	\$55,661		\$55,661
• Outreach and alliances	\$26,259		\$26,259
• Team standards	\$26,975		\$26,975
<b>Total program expenses</b>	<b>\$865,270</b>		<b>\$865,270</b>
Management and general	\$364,695		\$364,695
<b>Total operating expenses</b>	<b>\$1,229,965</b>		<b>\$1,229,965</b>
Excess (deficiency) of operating revenues and other support over operating expenses	(\$180,969)	\$868,519	\$687,550

### Nonoperating Support and Revenues

Investment income (loss)	(\$4,208)		(\$4,208)
<b>Change in net assets</b>	<b>(\$185,177)</b>	<b>\$868,519</b>	<b>\$683,342</b>

### Net Assets

Beginning of year	\$1,592,792		\$1,592,792
End of year	\$1,407,615	\$868,519	\$2,276,134

# Cleft Palate Foundation

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 Cleft India Parents Association (CIPA)...2016



# CPF Financial Statements FY2016

## STATEMENT OF FINANCIAL POSITION June 30, 2016

### ASSETS

#### Current Assets

Cash and cash equivalents	\$634
Accounts receivable	\$7,081
Prepaid expenses	\$1,889
<b>Total current assets</b>	<b>\$9,604</b>

Investments	\$1,097,373
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#### Fixed Assets

Building	\$149,435
Less accumulated depreciation	(\$64,081)

<b>Total fixed assets</b>	<b>\$85,354</b>
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<b>TOTAL ASSETS</b>	<b>\$1,192,331</b>
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## LIABILITIES AND NET ASSETS

### Current Liabilities

Accounts payable	\$19,306
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Accrued liabilities	\$1,093
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Grant payable – American Cleft Palate-Craniofacial Association	\$132,310
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Due to American Cleft Palate-Craniofacial Association	\$76,686
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<b>Total current liabilities</b>	<b>\$229,395</b>
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### Net Assets

Unrestricted	\$124,830
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Temporarily restricted	
• Program purposes	\$255,906

• Accumulated endowment earnings	\$240,406
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<b>Total temporarily restricted</b>	<b>\$496,312</b>
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Permanently restricted	\$341,794
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<b>Total net assets</b>	<b>\$962,936</b>
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<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$1,192,331</b>
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## STATEMENT OF ACTIVITIES For the year ended June 30, 2016

### Operating Revenues and Other Support

	Unrestricted	Temporarily restricted	Permanently restricted	Total
Contributions	\$138,107	\$52,140		\$190,247
Pamphlet and bear sales	\$36,160			\$36,160
Net assets released from restrictions	\$27,209	(\$27,209)		
<b>Total operating revenues and support</b>	<b>\$201,476</b>	<b>\$24,931</b>		<b>\$226,407</b>

### Operating expenses

Programs				
• Family services	\$103,899			\$103,899
• Educational and research initiatives	\$275,411			\$275,411
• Outreach and alliances	\$76,943			\$76,943
<b>Total program expenses</b>	<b>\$456,253</b>			<b>\$456,253</b>
Management and general	\$152,125			\$152,125
Fundraising	\$37,439			\$37,439
<b>Total operating expenses</b>	<b>\$645,817</b>			<b>\$645,817</b>
Excess (deficiency) of operating revenues and other support over operating expenses	(\$444,341)	\$24,931		(\$419,410)

### Nonoperating Support and Revenues

Investment income (loss)	\$2,728	(\$10,659)		(\$7,931)
<b>CHANGE IN NET ASSETS</b>	<b>(\$444,613)</b>	<b>\$14,272</b>		<b>(\$427,341)</b>

### Net Assets

Beginning of year	\$566,443	\$482,040	\$341,794	\$1,390,277
End of year	\$124,830	\$496,312	\$341,794	\$962,936

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