PROGRAM

ACPA’s 75th Annual Meeting

The Westin Convention Center
Pittsburgh, Pennsylvania

April 10–14, 2018

HONOR the PAST
CHALLENGE the PRESENT
INSPIRE the FUTURE
Continuing Education

**Deadline to Receive Credit: May 7, 2018**

Educational Objectives: Objectives for specific components are presented throughout the agenda. 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 explain the challenges of outcomes reporting, team coordination, 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.

**TO RECEIVE CREDIT:**
- Attendees must check-in when they arrive.
- Attendees must check out and return their completed ASHA continuing education forms to the ACPA Registration Desk when they leave the meeting.
- Attendees must register, pay, attend and evaluate each meeting session for which they are requesting credit. Visit www.acpa-cpf.org/evaluations.html for evaluation instructions.
- If the ASHA continuing education form and evaluation are not completed, ACPA will not be permitted to award ASHA CEUs.
- **All attendees must submit an evaluation by May 7, 2018. Credit will not be awarded after that date.**

### CONTINUING EDUCATION CREDITS

<table>
<thead>
<tr>
<th></th>
<th>ACCME</th>
<th>ASHA CEUs</th>
<th>Nursing CEUs*</th>
<th>Instructional Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convention</td>
<td>16.5 hours</td>
<td>1.65 ASHA CEUs</td>
<td>16.5 hours</td>
<td>Variable</td>
</tr>
<tr>
<td>Eye Openers (2 sessions)</td>
<td>1 hour each</td>
<td>0.10 ASHA CEUs each</td>
<td>1 hour each</td>
<td>Variable</td>
</tr>
<tr>
<td>Study Sessions/Advanced Courses (2 sessions)</td>
<td>1.5 hours each</td>
<td>0.15 ASHA CEUs each</td>
<td>1.5 hours each</td>
<td>Variable</td>
</tr>
<tr>
<td>Pre-Conference Symposium</td>
<td>6.5 hours</td>
<td>0.65 ASHA CEUs</td>
<td>6.5 hours</td>
<td>Intermediate</td>
</tr>
<tr>
<td>Maximum Available Credits</td>
<td>28 hours</td>
<td>2.80 ASHA CEUs</td>
<td>28 hours</td>
<td></td>
</tr>
</tbody>
</table>

**AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION**

This program is offered for up to 2.80 ASHA 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 28.0 AMA PRA Category 1 Credits™. Physicians should only claim credits commensurate with the extent of their participation in the activity.

*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.

This activity has been submitted to Stryker for support by an educational grant.
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ACPA’s 75th Annual Meeting
PROGRAM GUIDE
April 10–14, 2018

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## Summary of Events

Room assignments are subject to change. All announcements will be made in daily emails and on the ACPA Meeting App.

### MONDAY, APRIL 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Board Meeting</td>
<td>Butler West</td>
</tr>
<tr>
<td>4:00 pm – 7:00 pm</td>
<td>Registration</td>
<td>Allegheny Foyer</td>
</tr>
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### TUESDAY, APRIL 10

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>7:30 am – 7:30 pm</td>
<td>Registration</td>
<td>Allegheny Foyer</td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Pre-Conference Symposium: Optimizing The Delivery Of Team Care* Breaks sponsored by KLS Martin</td>
<td>Allegheny I</td>
</tr>
<tr>
<td>8:30 am – 12:00 pm</td>
<td>ACPA Board Meeting*</td>
<td>Butler West</td>
</tr>
<tr>
<td>12:00 pm – 1:30 pm</td>
<td>Committee Meetings*</td>
<td>See page 9</td>
</tr>
<tr>
<td>5:30 pm – 6:30 pm</td>
<td>New Member and First-Time Attendee Reception</td>
<td>Pennsylvania Ballroom</td>
</tr>
<tr>
<td>6:30 pm – 8:30 pm</td>
<td>Welcome Reception Sponsored by KLS Martin</td>
<td>Allegheny II and III</td>
</tr>
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### WEDNESDAY, APRIL 11

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am – 6:00 pm</td>
<td>Registration</td>
<td>Allegheny Foyer</td>
</tr>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Eye Openers: Group 1</td>
<td>See page 9</td>
</tr>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Past Presidents’ Breakfast ^</td>
<td>Pennsylvania East</td>
</tr>
<tr>
<td>7:30 am – 4:30 pm</td>
<td>Exhibits Open</td>
<td>Allegheny Foyer</td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Poster Session A</td>
<td>Allegheny Foyer III</td>
</tr>
<tr>
<td>8:30 am – 10:00 am</td>
<td>Opening Ceremony and Keynote Address</td>
<td>Allegheny Ballroom</td>
</tr>
<tr>
<td>10:15 am – 10:30 am</td>
<td>ACPA Wall of Traditions Opening Sponsored by Stryker</td>
<td>Allegheny Foyer II</td>
</tr>
<tr>
<td>10:30 am – 12:00 pm</td>
<td>General Session 1</td>
<td>Allegheny Ballroom</td>
</tr>
<tr>
<td>12:00 pm – 1:30 pm</td>
<td>Committee Meetings^</td>
<td>See page 13</td>
</tr>
<tr>
<td>1:30 pm – 2:30 pm</td>
<td>General Session 2</td>
<td>Allegheny Ballroom</td>
</tr>
<tr>
<td>2:45 pm – 4:15 pm</td>
<td>Discipline Forums</td>
<td>See page 13</td>
</tr>
<tr>
<td>4:30 pm – 6:00 pm</td>
<td>Ideas and Innovations</td>
<td>Allegheny Ballroom</td>
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### THURSDAY, APRIL 12

<table>
<thead>
<tr>
<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
<td>6:30 am – 7:30 pm</td>
<td>Registration</td>
<td>Allegheny Foyer</td>
</tr>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Eye Openers: Group 2</td>
<td>See pages 14-15</td>
</tr>
<tr>
<td>7:30 am – 4:30 pm</td>
<td>Exhibits Open</td>
<td>Allegheny Foyer</td>
</tr>
</tbody>
</table>

*Separate Registration required. *Invitation Only. +Session does not include lunch.
### Summary of Events

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Poster Session B</td>
<td>Allegheny Foyer III</td>
</tr>
<tr>
<td>8:30 am – 9:30 am</td>
<td>General Session 3</td>
<td>Allegheny Ballroom</td>
</tr>
<tr>
<td>10:00 am – 12:00 pm</td>
<td>Junior Investigator Session</td>
<td>Allegheny Ballroom</td>
</tr>
<tr>
<td>12:00 pm – 1:30 pm</td>
<td>Committee Meetings*</td>
<td>See page 18</td>
</tr>
<tr>
<td>1:30 pm – 3:00 pm</td>
<td>Study Sessions and Advanced* Sessions: Group 1</td>
<td>See pages 18-19</td>
</tr>
<tr>
<td>3:00 pm – 6:00 pm</td>
<td>ASCFS Board Meeting*</td>
<td>Pennsylvania East</td>
</tr>
<tr>
<td>3:30 pm – 5:00 pm</td>
<td>Study Sessions and Advanced* Sessions: Group 2</td>
<td>See page 19-20</td>
</tr>
<tr>
<td>6:00 pm – 10:30 pm</td>
<td>Awards Gala and Silent Auction</td>
<td>Allegheny Ballroom</td>
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**FRIDAY, APRIL 13**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am – 5:30 pm</td>
<td>Registration</td>
<td>Allegheny Foyer</td>
</tr>
<tr>
<td>7:00 am – 8:00 am</td>
<td>ASCFS Breakfast</td>
<td>Pennsylvania West</td>
</tr>
<tr>
<td>7:30 am – 3:30 pm</td>
<td>Exhibits Open</td>
<td>Allegheny Foyer</td>
</tr>
<tr>
<td>8:00 am – 9:00 am</td>
<td>Game Changer Sessions/ASCFS Linton Whitaker Lecture</td>
<td>See page 22-23</td>
</tr>
<tr>
<td>8:00 am – 3:30 pm</td>
<td>Poster Session C</td>
<td>Allegheny Foyer III</td>
</tr>
<tr>
<td>9:15 am – 10:15 am</td>
<td>ACPA Annual Business Meeting</td>
<td>Allegheny I</td>
</tr>
<tr>
<td>10:30 am – 12:00 pm</td>
<td>Concurrent Sessions: 1-5</td>
<td>See pages 23-25</td>
</tr>
<tr>
<td>12:00 pm – 1:30 pm</td>
<td>ASCFS Business Meeting/Luncheon*</td>
<td>Pennsylvania West</td>
</tr>
<tr>
<td>12:30 pm – 1:30 pm</td>
<td>SIG Discussion Forums*</td>
<td>See page 25</td>
</tr>
<tr>
<td>1:30 pm – 3:00 pm</td>
<td>Concurrent Sessions: 6-10</td>
<td>See pages 25-28</td>
</tr>
<tr>
<td>1:30 pm – 3:30 pm</td>
<td>ACPA Board Meeting*</td>
<td>Pennsylvania East</td>
</tr>
<tr>
<td>3:30 pm – 5:00 pm</td>
<td>Concurrent Sessions: 11-15</td>
<td>See pages 28-30</td>
</tr>
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**SATURDAY, APRIL 14**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30 am – 12:00 pm</td>
<td>Registration</td>
<td>Allegheny Foyer</td>
</tr>
<tr>
<td>8:00 am – 9:00 am</td>
<td>Concurrent Sessions 16 &amp; 17</td>
<td>See pages 30-31</td>
</tr>
<tr>
<td>9:30 am – 11:30 am</td>
<td>Concurrent Sessions 18 &amp; 19</td>
<td>See pages 31-32</td>
</tr>
</tbody>
</table>

*Separate Registration required. *Invitation Only. *Session does not include lunch.
Welcome

Dear Annual Meeting Attendees,

Thank you for joining us in Pittsburgh for the 75th Annual Meeting of the American Cleft Palate-Craniofacial Association (ACPA). We are excited to celebrate ACPA’s 75th Anniversary in Pennsylvania, where the idea for ACPA was born. In March of 1943, twenty-five dentists and oral surgeons attended a meeting at Pennsylvania State College on the “Construction of Speech Appliances for Children with Cleft Palates,” and the American Academy of Cleft Palate Prosthesis was formed one month later.

The Association has gone through several name changes over the years, but the focus has remained - the pursuit of excellence in research and in the delivery of team care to patients with cleft and craniofacial conditions. The original purpose of ACPA holds true in the mission: to optimize outcomes for individuals with oral cleft and craniofacial conditions through education, support, research, advocacy and interdisciplinary team care.

ACPA will be celebrating its 75th Anniversary throughout 2018, and we are excited to celebrate at this week’s meeting by honoring our history at the Opening and Game Changer Sessions, challenging the present with cutting-edge research and clinical presentations and inspiring the future with our keynote presentation by Rubin Pillay, MD, PhD, medical futurist and Professor of Healthcare Innovation. In addition, the Stryker-sponsored ACPA Wall of Traditions will be on display all week.

Patricia Beals, DMD, MS and the 2018 Program Task Force have worked to create a program that both recognizes ACPA’s past and leads us into the future. I would like to thank them for their hard work as they crafted this anniversary meeting. I would also like to give a special thank you to Ross E. Long, DMD, MS, PhD and the members of the 75th Anniversary Task Force for their insight and guidance as we make this a meeting to remember.

On behalf of the ACPA Board and National Office Team, I would like to welcome you to Pittsburgh. Thank you for joining us as ACPA celebrates 75 Years of Team Care.

Sincerely,
Amelia F. Drake, MD
ACPA 2018 President

Dear Colleagues,

Welcome to ACPA’s 75th Annual Meeting. This year’s program of events includes sessions that will appeal to specialists from all disciplines, with an emphasis on representation from as many areas as possible.

This year we are introducing an inclusive registration fee with an aim to create greater accessibility for all attendees. We invite attendees to select sessions that expand their knowledge of cleft and craniofacial care. This year’s program also includes Advanced Courses for an additional fee.

As this year is ACPA’s 75th Anniversary, we are offering sessions and events throughout the week to highlight ACPA’s history and continued dedication to team care. On Wednesday, James A. Lehman, MD will give us a look at ACPA’s history during the opening session. That will be followed by a keynote presentation on “Improving the Innovation Intelligence of Your Healthcare Organization” from Rubin Pillay, MD, PhD. Please plan on joining me at the Awards Gala at 6:00 PM on Thursday as we celebrate our colleagues for their achievements and contributions to cleft and craniofacial care.

We are introducing two new sessions this year—the Game Changer Sessions on Friday and Short Talks on Saturday. The Game Changer Sessions will commemorate advancements in care over the past 75 years in genetics, prenatal diagnosis, imaging and the patient first movement. The Short Talks are an opportunity to hear four-minute presentations on research and clinical topics and are designed to spark ideas and innovation.

Thank you for joining us as we celebrate 75 Years of Team Care as we honor the past, challenge the present and inspire the future.

Sincerely,
Patricia A. Beals, DMD, MS
ACPA 2018 Vice President
and Program Chair
General Information and Policies

MEETING UPDATES AND SCHEDULE CHANGES
All attendees will receive a daily email with any session changes, updates and daily items of note. Any changes or cancellations will also be shared on the ACPA Meeting App.

BADGES AND TICKETS
Name badges are required for all sessions and social events. Attendees will receive purchased tickets at registration. Tickets for the Welcome Reception and Awards Gala are only required for Guests. There will be a cash bar at both events. Attendees will receive one drink ticket for the Gala in their registration packet. Lost tickets will not be replaced. One Program 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.

ASCFS ANNUAL MEETING
The American Society of Craniofacial Surgeons (ASCFS) holds its Annual Meeting during ACPA’s Annual Meeting.

FOOD AND REFRESHMENTS
Onsite food and refreshment options include Bill’s Bar and Burger (lunch or dinner), Penn City Grille (breakfast) or Starbucks. There are also many restaurants within walking distance. Lunch will not be provided for Friday’s SIG discussion forums. Attendees can purchase lunch and take it into the session. Complimentary coffee and tea will be offered during morning and afternoon breaks.

SESSION CAPACITY
ACPA works to schedule sessions in appropriately-sized rooms, but the popularity of sessions is not always predictable. If a session reaches capacity, attendees must follow instructions provided by the ACPA National Office Team and the Westin Convention Center Staff. Fire regulations may require that attendees not block certain areas or that no more people may enter the room. Please be courteous and respectful if you are directed elsewhere.

ANCILLARY MEETINGS
A number of ancillary meetings may be held during ACPA’s Annual Meeting. The published schedule of meetings will be listed outside of the Lawrence meeting room. These meetings are not part of ACPA’s Annual Meeting program and are not endorsed by ACPA.

ATTIRE
Business casual dress is appropriate at the meeting. The Awards Gala is black tie optional. Please plan to dress in layers or bring a sweater, as temperatures may vary in the meeting rooms.

SPONSORS AND EXHIBITORS
ACPA thanks sponsors and exhibitors for their participation and support. Sponsors and exhibitors are not responsible for the content of this meeting. ACPA does not endorse any sponsor or exhibitor products or services.

CODE OF CONDUCT
ACPA expects that everyone who participates in ACPA’s Annual Meeting will be respectful of other attendees, vendors, Westin Convention Center Staff and all others they meet. Attendees are expected to follow common rules of behavior and respect for private property. Abusive, harassing or threatening behavior directed toward any other attendee or person will not be tolerated. Report all incidents in which a meeting attendee is abusive, insulting, intimidating, bothersome or acting in an unsafe or illegal manner to the ACPA Registration Desk or to Westin Convention Center Security immediately.

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

INTERNET AND WI-FI
Limited free wireless internet is available in the meeting area. See the ACPA Registration Desk for information.

FIRST AID AND EMERGENCY PROCEDURES
Should an emergency occur, please use your cell phone to call 911. As soon as it is safe to do so, inform the nearest staff member or call the hotel operator via the house phones so that a staff member can escort emergency responders. Be prepared to report the location of the emergency by building, level, and either hall, room or hallway. After you have called for emergency assistance, report the incident to a member of the ACPA National Office Team or to the ACPA 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 take pictures or video will be asked to leave the meeting rooms.

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 for ACPA to use these photos in print and online marketing. Questions can be directed to the ACPA Registration Desk.

CHILDREN
Children under 13 years of age are not permitted in lecture areas.
ACCESSIBILITY FOR REGISTRANTS WITH DISABILITIES

ACPA is committed to compliance with the Americans with Disabilities Act and to making ACPA’s Annual Meeting accessible to all. Attendees who need accommodations in order to participate should contact the ACPA National Office Team before the meeting and may visit the ACPA Registration Desk for assistance. Onsite requests will be accommodated to the best of our ability.

FULL DISCLOSURE POLICY

All speaker disclosures may be found in ACPA’s Annual Meeting Abstract Book, on the ACPA Meeting App and on the ACPA website. All presenters are required to make 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 ACPA 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 and on the ACPA Meeting App.

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 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 healthcare professions or any other person.
ACPA’s Annual Meeting Program

MONDAY, APRIL 9, 2018

ACPA Board Meeting
8:00 am - 5:00 pm - Butler West

Registration
4:00 pm - 7:00 pm - Allegheny Foyer

TUESDAY, APRIL 10, 2018

Registration
7:30 am - 7:30 pm - Allegheny Foyer

Pre-Conference Symposium: Optimizing The Delivery Of Team Care
8:00 am - 5:00 pm - Allegheny I
Pre-Conference Symposium information is available at the ACPA Registration Desk for registered attendees.

ACPA Board Meeting
8:30 am - 12:00 pm - Butler West

Morning Break
10:15 am - 10:45 am - Allegheny Foyer
Sponsored By KLS Martin.

Committee Meetings
12:00 pm - 1:30 pm
   CPCJ Editorial Board Meeting
   Butler West
   Education Committee Meeting
   Westmoreland West
   Membership Committee Meeting
   Butler East

Afternoon Break
2:30 pm - 3:00 pm - Allegheny Foyer
Sponsored By KLS Martin.

New Member and First Time Attendee Reception
5:30 pm - 6:30 pm - Pennsylvania Ballroom
New ACPA Members and first-time attendees are invited to attend an orientation and networking reception.

Welcome Reception
6:30 pm - 8:30 pm - Allegheny II and III
Join your colleagues for an evening of networking. Meet and greet tables for Young Professionals and International Attendees are available. Light hors d’oeuvres will be served. Cash bar. Sponsored By KLS Martin.

WEDNESDAY, APRIL 11, 2018

Registration
6:30 am - 6:00 pm - Allegheny Foyer

Past Presidents’ Breakfast
7:00 am - 8:00 am - Pennsylvania East

Eye Openers: Group 1
7:00 am - 8:00 am

Eye Opener 1: Journal Manuscript Preparation And Submission
Cambria East
Jack Yu, Stephen Conley
Educational Objective(s): Each learner will be able to prepare a manuscript suitable for submission to scientific journals.
Abstract: 1

Eye Opener 2: Audiology For The Cleft Palate Team: A Primer For Non-Audiologists
Somerset East
Katie O’Brien
Educational Objective(s): Each learner will obtain a thorough understanding of the typical tests performed by a cleft and/or craniofacial team audiologist, including VROA, play audiometry, and tympanometry. Participants will be able to interpret a standard audiology report and understand the clinical urgency and the clinical implications of the results.
Abstract: 2

Eye Opener 3: Multidisciplinary Encounters In EpicCare: Tips And Tricks
Cambria West
Iris Sageser, Sheldon Polonsky
Educational Objective(s): Each learner will be able to apply Epic-specific tips to their patient and cleft/craniofacial team documentation.
Abstract: 3

Eye Opener 4: Cleft Lip Repair: Measure Twice Cut Once
Fayette
Raymond Tse, David Fisher
Educational Objective(s): Each learner will be able to plan a cleft lip repair that produces favorable balance, symmetry and form. Each learner will be able to correct the cleft lip nasal deformity as a part of primary cleft lip repair.
Abstract: 4

Eye Opener 5: Robin Sequence And Mandibular Distraction - The Multidisciplinary Management From Infancy To Adolescence
Westmoreland Central
Michael Lypka, Derek Steinbacher, Heather Hendricks, Bahaauddin Al-Shawwa, Jill Arganbright
Educational Objective(s): Each learner will be able to select the appropriate patient for mandibular distraction and understand the work-up involved in this decision-making. Each learner will be familiar with the long-term follow-up of these patients and the importance of a multidisciplinary approach.
Abstract: 5

All disclosures may be found in ACPA’s Annual Meeting Abstract Book, on the ACPA website and in the ACPA Meeting App.
*Separate Registration required. *Invitation Only.
ACPA’s Annual Meeting Program: Wednesday

Eye Opener 6: Transition Of Care For Young Adults With Cleft Lip And Palate: We’ve Got Some Growing Up To Do
Westmoreland East
Brenda Louw, Linda Vallino
Educational Objective(s): Each learner will be able to describe the characteristics and needs of young adults with CLP, discuss the model of transition of care for the young adult with CL/P, and extrapolate strategies that their teams could use to improve the care of young adults with CLP.
Abstract: 6

Eye Opener 7: Videonasopharyngoscopy Or Videofluoroscopy Or Both?
Butler
Pablo Antonio Ysunza
Educational Objective(s): Each learner will be able to discuss how to perform VF with a minimal radiation dose while obtaining the clinical information about velopharyngeal anatomy and physiology during speech and swallowing. Each learner will also be able to discuss techniques for enhancing compliance and maximizing the efficiency of VNP for the assessment of the velopharyngeal sphincter during speech.
Abstract: 7

Eye Opener 8: Managing Cleft Care In The Middle East: Avoiding Missteps And Misconceptions
Somerset West
John van Aalst, Usama Hamdan, Haithem Elhadi Babiker
Educational Objective(s): Each learner will be able to 1) Assess the cleft landscape of MENA, 2) Provide an overview of current work being done in the region, 3) Identify potential solutions to the shortfalls of current strategies, 4) Develop mechanisms to improve the quality of cleft care delivered in the region, and 5) Provide a roadmap for future regionalization of cleft care.
Abstract: 8

Eye Opener 9: Cleft Team Care For Internationally Adopted Children: Challenges And Strategies
Westmoreland West
Alison Kaye, Shao Jiang
Educational Objective(s): Each learner will be able to describe the requirements and time frame for international special needs adoptions. Each learner will be able to describe three unique challenges presented by internationally adopted children with congenital clefting conditions.
Abstract: 9

Eye Opener 10: If Disney Ran Your Team
Washington
Richard Kirschner
Educational Objective(s): Each learner will be able to discuss how Disney values and strategies can be successfully adopted to transform team culture, experience, and outcomes.
Abstract: 10

Poster Session A
8:00 am - 5:00 pm - Allegheny Foyer III
Educational Objective(s): Each learner will be able to discuss the subject and findings of the cleft and craniofacial research and clinical topics presented on the posters in this session.

A Model For Collaborative Speech-Language Pathology Clinical Training In Cleft-Craniofacial Disorders
Kari Lien
Abstract: 37

Accuracy Of Three-Dimensional Soft Tissue Prediction In Non-Syndromic Orthognathic Cases Using Dolphin 3D Software
Tarek Elshebiny
Abstract: 38

Adaptation Of The Profiles Of Early Expressive Phonology In Brazilian Portuguese
Nancy Scherer
Abstract: 39

Age Of First Dental Visit: A Comparison Study Between Children With And Without Cleft Lip And Palate
Erin Shope
Abstract: 40

Airway Obstruction Risk In Unique Infant Unilateral Cleft Anatomy: PSIO And Lip Adhesion Protocol Modification Recommendations
Aaron Foglio
Abstract: 41

Cleft Lip And Palate National Survey Of Team Organization And Management In The 21st Century
Olivia Yue
Abstract: 42

Cleft Surgery Education Through Internet-Based Digital Simulation: A Five Year Assessment Of Demographics, Utilization And Global Impact
Rami Kantar
Abstract: 43

Complete Bilateral Cleft Lip Repair Using Posterior Vomerine Premaxillary Setback: Safety And Outcome Evaluation
Fernando Almas
Abstract: 44

Craniocervical Instability In Pierre Robin Sequence Associated With Skeletal Dysplasia: Case Report
Xiao Zhu
Abstract: 45

Craniofacial, Velopharyngeal, And Speech Variations In Siblings With Pierre Robin Sequence
Katelyn Kotlarek
Abstract: 46

Exhibits Open
7:30 am - 4:30 pm - Allegheny Foyer

All disclosures may be found in ACPA’s Annual Meeting Abstract Book, on the ACPA website and in the ACPA Meeting App.

*Separate Registration required. *Invitation Only.
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The Incidence Of Chiari Malformation In Patients With Non-Syndromic Isolated Sagittal Craniosynostosis
Amani Davis
Abstract: 73

Treatment Of Phoneme Specific Nasal Emission In A Preschool Child
Dennis Ruscello
Abstract: 74

Twenty-Year Outcomes Experience With Open Craniosynostosis Repairs: An Analysis Of Reoperation And Complication Rates
Kerry Morrison
Abstract: 75

Use Of Neuroimaging Measurements Of Optic Nerve Sheath Diameter To Assess Intracranial Pressure In Craniosynostosis
Mostafa Haredy
Abstract: 76

Use Of The Feeding Readiness Scale To Assess Patients With Pierre Robin Sequence Following Mandibular Distraction Osteogenesis
Kim-Loan Luu
Abstract: 77

Opening Ceremony and Keynote Address:
8:30 am – 10:00 am - Allegheny Ballroom
Chair: Amelia Drake
Co-Chair: Patricia Beals
ACPA’s History: James A. Lehman, Jr., MD
“Improving The Innovation Intelligence Of Your Healthcare Organization”
Keynote Presenter: Rubin Pillay, MD, PhD
Abstract: 11

Rubin Pillay, MD, PhD is a medical futurist and Professor of Healthcare Innovation. He is currently the Assistant Dean for Global Health Innovation at the School of Medicine and the Chief Innovation Officer of the Health System at the University of Alabama in Birmingham.

Dr. Pillay is a Family Physician and Clinical Pharmacologist who holds a PhD in Business Administration, an MBA and an MSc in Health Management. Prior to taking up his current position, he led programs in Health Leadership (with a focus on Operational Excellence) at the McKenna School of Business, Economics and Government (Pennsylvania, USA) and the School of Business and Finance (Cape Town, South Africa).

He has substantial international teaching and consulting experience and a global reputation as a healthcare innovation and innovation management specialist. Dr. Pillay is widely published in the field of Strategic Health Leadership. His current work focuses on the role of Innovation and Entrepreneurship in the transformation of health and healthcare, with particular emphasis on how macro environmental variables like the politico-legislative environment, technology, economics and socio-demographic and cultural changes are set to impact the supply side, demand side and the payment for healthcare.

Morning Break
10:00 am - 10:30 am - Allegheny Foyer
Meet with exhibitors or visit with poster presenters.

ACPA Wall Of Traditions Opening
10:15 am - 10:30 am - Allegheny Foyer II
The ACPA Wall of Traditions celebrates ACPA and its rich 75-year history. Join us to unveil the legacy. Sponsored By Stryker.

General Session 1
10:30 am - 12:00 pm - Allegheny Ballroom
Chair: Bernard J. Costello
Co-Chair: Robert Havlik

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

CLEFT-Q: Normative Values And Psychometric Findings From 2,434 Children And Young Adults With Cleft Lip And/Or Palate From 12 Countries
Karen Wong Riff
Abstract: 12

Human Gingiva-Derived Mesenchymal Stem Cells Enriched With Induced Neural Progenitor Cells As Bio-Ink For 3D Scaffold-Free Nerve Construct In Facial Nerve Regeneration
Phuong Nguyen
Abstract: 13

Persistent Opioid Use Among Children And Adolescents After Common Cleft Operations
Katelyn Bennett
Abstract: 14

Language ENvironment Analysis (LENA) Of Vocalizations Of Infants With And Without Cleft Palate
Adriane Baylis
Abstract: 15

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Discussion
11:10 am - 11:20 am

Association Of Low-Frequency Variants In Regulatory Regions With Non-Syndromic Orofacial Clefts
11:20 am - 11:30 am
John Shaffer
Abstract: 16

A National Survey Of Breast Milk Feeding Practices In Infants With Cleft Lip And/Or Palate
11:30 am - 11:40 am
Lauren Madhoun
Abstract: 17

An Inter-Center Comparison Of Speech Outcomes: The Americleft Speech Project
11:40 am - 11:50 am
Kathy Chapman
Abstract: 18

Discussion
11:50 am - 12:00 pm

Committee Meetings^
12:00 pm - 1:30 pm

Commission on Approval of Teams Meeting^
Pennsylvania East

Development Committee Meeting^
Crawford East

Research Grants Committee Meeting^
Westmoreland East

General Session 2: Patient To Provider Panel

Patient To Provider: About The Journey
1:30 pm - 2:30 pm - Allegheny Ballroom
Chair: Matthew Ford
Co-Chair: Marilyn Cohen
Presenters: Jo Artz, Monique France, Anna Barigayomwe, Kristine Miu, Francis Smith

Educational Objective(s): Each learner will be able to describe factors that may promote a positive (or negative) experience for patients in a cleft-craniofacial clinic. Each learner will be able to describe factors that may promote a positive (or negative) experience among parents of children with cleft-craniofacial anomalies. Each learner will be able to describe a strategy that a cleft-craniofacial team member can use clinically to support patients and/or their families affected by cleft-craniofacial anomaly.

Abstract: 19

Afternoon Break
2:30 pm – 2:45 pm - Allegheny Foyer
Meet with exhibitors or visit with poster presenters.

Discipline Forums
2:45 pm - 4:15 pm

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

Genetics And Pediatrics
Somerset East

Mental Health
Westmoreland East

Nursing And Coordination
Butler

Oral-Maxillofacial Surgery
Westmoreland East

Orthodontics And Prosthodontics
Fayette

Otolaryngology
Cambria East

Pediatric Dentistry
Somerset West

Plastic Surgery
Pennsylvania West

Speech-Language Pathology And Audiology
Westmoreland Centre

Ideas And Innovations
4:30 pm - 6:00 pm - Allegheny Ballroom
Chair: John Girotto
Co-Chair: Ana Mercado

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

A Foundation-Focused Approach To Primary Rhinoplasty For Unilateral Cleft Lip Repair: Correction Of The Nasal Floor, Sidewall, And Septum To Untwist The Nose
4:35 pm - 4:39 pm
Raymond Tse
Abstract: 20

A New Single-Stage Total Cranial Vault Remodelling Technique For Correction Of Turricephaly
4:40 pm - 4:44 pm
Isabelle Citron
Abstract: 21

A Novel Approach To Family And Patient Education Regarding The Management Of VPI
4:45 pm - 4:49 pm
Kaylee Paulsgrove
Abstract: 22

Cleft Care Variations In The US: Analysis Of The Kids’ Inpatient Database
4:50 pm - 4:54 pm
Tzujane Jenny Chen
Abstract: 23

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*Separate Registration required. *Invitation Only.
Anterior Maxillary Distraction Using Modified HYRAX Screw – A New Approach In Treating Mid Face Deficiency In Patients With Cleft Lip And Palate
4:55 pm - 4:59 pm
Ananya Hazare
Abstract: 24

Educating And Collaborating With Community And School-Based Speech-Language Pathologists: What Is An Effective Approach?
5:00 pm - 5:04 pm
Jocelyn Horne
Abstract: 25

Implementation Of A Standardized Data-Collection System For Comprehensive Appraisal Of Cleft Care
5:05 pm - 5:09 pm
Peter Bittar
Abstract: 26

Improving Inter-Specialty Communication In The Treatment Of Pediatric Craniofacial And Skull Base Tumors Using Personalized 3D-Printed Models
5:10 pm - 5:14 pm
Carolyn Rogers-Vizena
Abstract: 27

Neonatal Mandibular Molding For Congenital Open Bite: 10 Year Follow Up
5:15 pm - 5:19 pm
Catharine Garland
Abstract: 28

Parent-Reported Psychosocial Functioning In Craniofacial Microsomia
5:20 pm - 5:24 pm
Jake Alford
Abstract: 29

The Nifty Cup: A Novel Feeding Cup For Infants With Oral Clefts In Low Resource Settings
5:25 pm - 5:29 pm
Christy McKinney
Abstract: 30

Surgical Outcome Of Secondary Alveolar Bone Grafting Or Gingivoperiosteoplasty In Unilateral Cleft Lip And Palate (UCLP): A Prospective, Randomized Single-Blinded Study
5:30 pm - 5:34 pm
Ting Chen Lu
Abstract: 31

The Role Of Nasoalveolar Molding: A 3D Prospective Analysis
5:35 pm - 5:39 pm
Pang-Yun Chou
Abstract: 32

Anatomical Subunit Approximation Approach To Correction Of Transverse Facial Clefts
5:40 pm - 5:44 pm
Raymond Tse
Abstract: 33

A New Internal Le Fort 1 Distractor–The Transnasal Device
5:45 pm - 5:49 pm
Michael Lyka
Abstract: 34

Use Of High-Speed Video Nasopharyngoscopy For Evaluation Of Velopharyngeal Function
5:50 pm - 5:54 pm
Liran Oren
Abstract: 35

Long-Term Velopharyngeal Outcomes After LeFort 1 Distraction
5:55 pm - 5:59 pm
TzuJane Jenny Chen
Abstract: 36

THURSDAY, APRIL 12, 2018

Registration
6:30 am – 7:30 pm - Allegheny Foyer

Eye Openers: Group 2
7:00 am – 8:00 am

Eye Opener 11: Anatomy Of The Unilateral Cleft Nasal Deformity And Its Correction
Fayette
Kamlesh Patel
Educational Objective(s): Each learner will understand the anatomic components of the unilateral cleft lip nasal deformity. They will also be able to understand the aims and methods of primary surgical correction.
Abstract: 78

Eye Opener 12: Commission On Approval Of Teams: ACPA Team Approval Process
Somerset East
Jamie Idelberg, Celia Heppner
Educational Objective(s): Each learner will be able to identify and use key requirements for ACPA Team Approval.
Abstract: 79

Eye Opener 13: Medically Necessary Craniofacial Orthodontic Treatment: Strategies For Successfully Obtaining Insurance Coverage
Westmoreland East
Margy Maroutsis
Educational Objective(s): Each learner will be able to identify key criteria for writing a letter of medical necessity. Each learner will be able to review a patient’s insurance plan and point out what is covered and what is not covered. Each learner will be able to address denials and know the steps to take to help overturn a denial.
Abstract: 80

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Eye Opener 14: Multi-Team Experiences Of Care Coordination  
Butler  
Iris Sageser, Amanda Smith, Melisande Ploutz, Patricia Chibbaro, Noreen Clarke  
Educational Objective(s): Each learner will identify special coordination considerations of medically complex cleft and craniofacial patients. Each learner will gain awareness of cultural differences that impact care coordination. Each learner will demystify feeding recommendations for babies with cleft lip/palate through multi-collaboration. Each learner will identify prenatal practices that support the child/family.  
Abstract: 81

Eye Opener 15: The Diagnostic Odyssey And Whole Exome Sequencing (WES): Clinical Advancements In The Diagnosis Of The Medically Complex Individual With Clefting  
Cambria West  
Susan Starling Hughes, Alison Kaye  
Educational Objective(s): Each learner will understand the unique clinical impact of the diagnostic odyssey for the medically complex patient. Learners will be able to delineate between different genetic testing modalities. Learners will define the benefits and limitations of WES, when utilized in the medically complex individual with clefting.  
Abstract: 82

Eye Opener 16: Challenging Multilingual/Multicultural Cleft Cases In The U.S. And Abroad  
Washington  
Kelly Cordero, Catherine Crowley, Lynn Fox  
Educational Objective(s): Each learner will be able to: 1) describe culturally and linguistically appropriate assessment approaches for patients with cleft palate/VPD. 2) describe how late cleft palate repair and/or lack of past speech therapy may affect future VPD surgical management decisions. 3) describe the role that orphanage care may have on development and communication and the impact on management of VPD.  
Abstract: 83

Eye Opener 17: Management Of The Complex Alveolar Cleft In Patients With Cleft Lip And Palate  
Westmoreland Central  
Michael Lypka  
Educational Objective(s): Each learner will understand the optimal timing of alveolar cleft repair and basic technique. Each learner will understand basic and advanced methods of closing and grafting alveolar clefts.  
Abstract: 84

Eye Opener 18: IHEM - How Healthcare Professionals Can Receive Training In How To Conduct An Initial Screening About The Educational Outcomes In Individuals With A Cleft  
Somerset West  
Martin Persson, Magnus Becker  
Educational Objective(s): Each learner will be able to comprehend and apply the following: Why it is important to understand how cleft can be related to negative educational outcomes. How to engage in a conversation with the parents about the medical and psychosocial variables that can influence educational achievement. How to conduct an initial screening for educational outcomes.  
Abstract: 85

Eye Opener 19: Connecting Smiles: A Quality Improvement Initiative To Implement Parent-To-Parent Support In A Cleft And Craniofacial Clinic  
Cambria East  
Liza Beilke, Caitlin Giesen, Jo Artz, Anna Barigayomwe  
Educational Objective(s): Each learner will be able to 1) identify components of a successful parent-to-parent support program. 2) identify challenges associated with the implementation of a parent-to-parent support program. 3) apply concepts from this presentation to their own organizations. 4) summarize key findings from this quality improvement initiative.  
Abstract: 86

Exhibits Open  
7:30 am - 4:30 pm - Allegheny Foyer

Poster Session B  
8:00 am - 5:00 pm - Allegheny Foyer III  
Educational Objective(s): Each learner will discuss the subject and findings of the cleft and craniofacial research and clinical topics presented on the posters in this session.

A Prospective Study Of Nasal Obstructive Symptoms In Patients With Cleft Lip And Palate  
Rosaline Zhang  
Abstract: 116

A Protocol For Airway Management In Patients With Pierre Robin Sequence Undergoing Mandibular Distraction  
Vipul Gargya  
Abstract: 117

Access To Multidisciplinary Care For Patients With 22q11.2 With Deletion Syndrome: Identifying Breakdown In The Screening Process  
Aurelia Trisliana Perdanasari  
Abstract: 118

Assessing Calvarial Vault Constriction Associated With Helmet Therapy In Deformational Plagiocephaly  
Gary Skolnick  
Abstract: 119

Assessing The Nasalance Of Native Mandarin Speakers In Mandarin And English  
Eshan Pua  
Abstract: 120

Association Between Cleft Lip And/Or Cleft Palate And Family History Of Cancer: A Case-Control Study  
Anthony Bui  
Abstract: 121

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*Separate Registration required. *Invitation Only.
Association Between Submucous Cleft Palate And Otologic Disease - A Retrospective Cohort Review
Adam Kwinter
Abstract: 122

Computational Analysis Of Patients Developing Resynostosis Or Progressive Synostosis After Major Cranial Vault Reconstruction
Tyler Merceron
Abstract: 123

Consonant Development In Children With Cleft Palate, Chronic Otitis Media, And Typical Development
Irene Romero
Abstract: 124

Coordination Of A Multidisciplinary Retreat Resulting In Improved Team Dynamics And Patient Care
Jennifer Huth
Abstract: 125

Craniofacial Orthodontic Experience In Practicing Orthodontists
Rebecca Petts
Abstract: 126

Establishing The Safety Of The Horizontal Osteotomy In Mandibular Distraction For Neonatal Pierre Robin Patients
Nicholas Do
Abstract: 127

Evaluation Of Upper Airway Obstruction In Children With Cleft Palate Using Polysomnography
Wenwen Yu
Abstract: 128

Genetic Associations And Phenotypic Variability In The Craniosynostotic Rabbit
James Gilbert
Abstract: 129

Increased Risk Of Post-Operative Complications For Children With Craniosynostosis And Cardiac Risk Factors Undergoing Cranial Vault Remodeling
Joseph Moffitt
Abstract: 130

Infection, Local Complication, And Graft Failure Rates In Alloplastic Cranioplasty Reconstruction Comparing Titanium Mesh (Ti), Polymethyl Methacrylate (PMMA), Polyether Ether Ketone (PEEK), And Norion Implants: A Systematic Review
Jeremie Oliver
Abstract: 131

Management Of Mandibular Fracture Nonunion–A Retrospective Review And Treatment Algorithm
Benjamin Ostrander
Abstract: 132

Meta-Analysis Of Early Speech And Language In Children With Nonsyndromic Cleft Palate With Or Without Cleft Lip
Hope Lancaster
Abstract: 133

Nasalance Scores Of Mongolian-Speaking Children From Three Different Provinces
Shagdar Batsukh
Abstract: 134

Perception Of Interpersonal Experiences Following Orthognathic Surgery
Lawrence Lin
Abstract: 136

Posterior Vault Distraction Osteogenesis In Non-Syndromic Patients: An Evaluation Of Indications And Safety
Rosaline Zhang
Abstract: 137

Posterior Vault Distraction Osteogenesis: Rates Of Ossification In Bone Gaps After Consolidation
Sanjay Naran
Abstract: 138

Prone Versus Non-Prone Body Position Evaluated With Polysomnography In Infants With Pierre Robin Sequence
Karla Haynes
Abstract: 139

Remediation Of Compensatory Speech Errors & Cross-Language Generalization In An Adolescent Adopted From China
Kazlin Mason
Abstract: 140

Sleep Apnea In Cleft Lip And Palate And Skeletal Class III Individuals: A Polysomnographic, Tomographic And Computational Fluid Dynamics Study
Ivy Trindade-Suedam
Abstract: 141

Speech Results Following The Use Of The Palatal Lift Prosthesis Combined With A Palatal Bar
Richard O’Brien
Abstract: 142

Tessier Classification Update For Rare Lower-Lip Mandibular Clefts
James Bradley
Abstract: 143

The Effect Of Presurgical Nasoalveolar Molding (NAM) For Cleft Lip/Palate On Long-Term Treatment Outcomes: A Systematic Review
Victoria Allen
Abstract: 144
The Rhinocleft*: A New Tool For The Perceptual Assessment Of Cleft Palate Speech
David Fitzsimons
Abstract: 145

The Sick Kids Cleft Speech Assessment Tool
David Fisher
Abstract: 146

The Use Of Crowdsourcing Technology To Rapidly And Accurately Evaluate Preoperative Severity In Unilateral Cleft Lip Patients In A Multiethnic Population
Meghan McCullough
Abstract: 147

Underlying Mechanism Of Cleft Palate In A Mouse Model Of The Trichorhinophalangeal Syndrome
Kah Yan Cho
Abstract: 148

Using 3-Dimensional Printing To Fabricate A Novel Collagen-Grafted Polycaprolactone Scaffold For Craniofacial Reconstruction
Hossein Jazayeri
Abstract: 149

Velopharyngeal Insufficiency In A Multiethnic Cohort Of Families With A History Of Nonsyndromic Orofacial Clefting And Population-Based Controls
Matthew Ford
Abstract: 150

Volumetric Analysis Of Midfacial And Mandibular Asymmetry In Unilateral Coronal Craniosynostosis
Sally Jo
Abstract: 151

Volumetric And Three-Dimensional Assessment Of Growth Of The Nasopharyngeal Structures From Childhood To Adolescence
Kazlin Mason
Abstract: 152

Whole-Exome Sequencing Identify New Candidate Genes For Non-Syndromic Orofacial Cleft
Salmo Raskin
Abstract: 153

Zygomatic Rotation-Advancement: A New Concept For The Correction Of Exorbitism In Patients With Syndromic Craniosynostosis
J. Rodrigo Diaz-Siso
Abstract: 154

General Session 3: Airway Panel
Evaluation And Management Of Airway Obstruction In Neonates With Robin Sequence
8:30 am - 9:30 am - Allegheny Ballroom
Chair: Amelia Drake
Co-Chair: Davinder Singh

Presenters: Carlton Zdanski, Ramon Ruiz, Kelly Evans, Sean Edwards, John van Aalst, Lauren Kilpatrick

Educational Objective(s): Each learner will be able to identify the various methods of evaluation and management of neonates with Robin Sequence (RS) and airway obstruction (AO). Each learner will be able to understand the variability in practice patterns with regard to neonates with RS and AO. Each learner will be able to identify future directions in the evaluation and management of neonates with RS and AO.

Abstract: 87

Morning Break
9:30 am - 10:00 am - Allegheny Foyer
Meet with exhibitors or visit with poster presenters.

Junior Investigator Session
10:00 am - 12:00 pm - Allegheny Ballroom
Chair: Jack Yu
Co-Chairs: Elizabeth Volpicelli, Phuong Nguyen

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 are selected to receive Junior Investigator Awards, including a plaque, monetary award and appointment as a session co-chair for the following year.

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

Investigating Velum Positioning Across Different Speech Segments In Normal Adult Speakers Using High-Speed Nasopharyngoscopy
10:00 am - 10:10 am
Hedieh Hashemi Hosseinabad
Abstract: 88

A Single Lab Test To Aid Pierre Robin Sequence Severity Diagnosis
10:10 am - 10:20 am
Artur Fahradyan
Abstract: 89

Exome Sequencing Reveals Distinct Molecular Subtypes Of Non-Syndromic Craniosynostosis
10:20 am - 10:30 am
Andrew Timberlake
Abstract: 90

Discussion
10:30 am - 10:40 am

Lexical And Grammatical Development In Two-Year-Old Children With And Without Repaired Cleft Palate
10:40 am - 10:50 am
Marziye Eshghi
Abstract: 91
A Prospective, Randomized, Blinded Trial In Cleft Surgery Training: Textbook Versus Digital Simulation
10:50 am - 11:00 am
J. Rodrigo Diaz-Siso
Abstract: 92

Age Related Discrepancies In Parent Proxy And Patient-Reported Psychosocial Function Of Children With Craniofacial Anomalies
11:00 am - 11:10 am
Julia Ayeroff
Abstract: 93

Discussion
11:10 am - 11:20 am

3D-Printed Bioactive Ceramic Scaffolds For Induction Of Osteogenesis In The Immature Skeleton
11:20 am - 11:30 am
Samantha Maliha
Abstract: 94

Neonatal And Infant Mandibular Distraction Osteogenesis: Can We Predict The Outcome?
11:30 am - 11:40 am
Artur Fahradyan
Abstract: 95

Psychosocial Dysfunction Of Children With Craniofacial Anomalies And Monolingual Spanish Parents In Los Angeles
11:40 am - 11:50 am
Miles Pfaff
Abstract: 96

Discussion
11:50 am - 12:00 pm

Committee Meetings^*
12:00 pm - 1:30 pm

Family Services Committee Meeting^*
Crawford East

Learning Resources Committee Meeting^*
Pennsylvania East

Program Task Force 2019 Meeting^*
Westmoreland West

Study Sessions and Advanced* Courses: Group 1
1:30 pm - 3:00 pm

Advanced Course I: Innovation In Cleft Palate Reconstruction: The Buccal Flap Approach*
Cambria West
Robert Mann, John Girotto, Matthew Fahrenkopf
Educational Objective(s): Each learner will be able to: 1) describe anticipated instrumental findings given perceptual characteristics. 2) Discuss anatomic findings that may influence surgical decisions. 3) Describe how use of instrumental and perceptual findings may influence patient outcomes.

Advanced Course II: Management Of Challenging Cases Of VPD In 22q11.2 Deletion Syndrome*
Somerset East
Adriane Baylis, Oksana Jackson, Cynthia Solot, Richard Kirschner
Educational Objective(s): Each learner will be able to: 1) describe strategies to ensure accurate diagnostic evaluation of VPD for speech in patients with 22q; 2) list at least 3 different factors which may influence preoperative VPD surgical planning in 22q; 3) describe surgical modifications of traditional VPD surgery for patients with 22q.

Study Session A: Interpreting The Instrumental Evaluation Of Velopharyngeal Function
Washington
Sara Kinter, Kaylee Paulsgrove, Randall Bly
Educational Objective(s): Each learner will be able to: 1) describe strategies to ensure accurate differential diagnosis of VPD for speech in patients with 22q; 2) list at least 3 different factors which may influence preoperative VPD surgical planning in 22q; 3) describe surgical modifications of traditional VPD surgery for patients with 22q.

Study Session B: Nasopharyngoscopy: Methods For Obtaining A Successful Examination With Preschool Children And Interpretation Of Findings For Surgical Planning
Cambria East
Ann Kummer
Educational Objective(s): Each learner will be able to discuss methods for performing a nasopharyngoscopy (NP) exam with good cooperation from children as young as age 3. Participants will be able to identify the size, location, and cause of a velopharyngeal opening through NP. Participants will be able to describe how NP findings can be used to determine the best surgical procedure for the patient.

Study Session C: Promoting Positive Psychosocial Outcomes In Craniofacial Team Care: Strategies For Non-Mental Health Providers
Westmoreland East
Nicola Stock, Patricia Marik, Leanne Magee, Alexis Johns, Cassandra Aspinall, Laura Garcia, Canice Cramer
Educational Objective(s): Each learner will be able to discuss psychosocial issues relevant to patients with craniofacial conditions across the treatment pathway, and will take away practical guidance in how to monitor and address psychosocial concerns in the patients and families they see.

Abstract: 101
Study Session D: Developing A Multidisciplinary Feeding Team For Your Cleft Lip And Palate Program
Fayette
Courtney Hall, Lauren Madhoun, Caitlin Cummings, Katherine Eastman

Educational Objective(s): Each learner will describe the feeding, weight gain, and growth risks for infants with cleft lip and/or palate and the potential consequences of failure to thrive; identify the structure of a Multidisciplinary Craniofacial Feeding Team and specific roles of each professional.

Abstract: 102

Study Session E: Why Don’t They Get It? Using Adult Learning Principles To Improve Caregiver Understanding Of Cleft Care
Somerset West
Sarah Vetter, Julia Corcoran

Educational Objective(s): Each learner will: Define transfer of knowledge and how it relates to understanding. Identify barriers to understanding and analyze the impact of those barriers on caregiver education. Participate in activities that demonstrate adult learning strategies which influence successful knowledge transfer. Reflect and discuss application of adult learning strategies within their clinical practice.

Abstract: 103

Study Session F: Demystifying Cleft Palate Speech: A Primer For The New SLP And Non-SLP Members Of The Craniofacial Team
Westmoreland Central
David Zajac, Linda Vallino

Educational Objective(s): Each learner will be able to 1) describe resonance, nasal air escape, and articulation characteristics that occur in speakers with cleft lip and palate, and 2) discriminate between obligatory and compensatory behaviors that occur in speakers with repaired cleft lip and palate.

Abstract: 104

Study Session G: Orthodontic Management Of Patients With Cleft Lip And Palate From Infancy To Skeletal Maturity
Butler
Pradip Shetye, Alvaro Figueroa

Educational Objective(s): Each learner will be able to write the goals of orthodontic treatment during infancy, mixed dentition, permanent dentition and at skeletal maturity. Each learner will write the proper timing and sequencing of orthodontic and surgical treatment for patients with cleft lip and palate. Each learner will write different orthodontic treatment options at each phase of growth and development.

Abstract: 105

Study Sessions and Advanced* Courses: Group 2
3:30 pm - 5:00 pm

Advanced Course III: Strategies For Cleft Care In The Medically Complex Patient: Assessment, Anticipation, And Adaptation*
Westmoreland West
Alison Kaye, Oksana Jackson, Susan Starling-Hughes, Leanne Magee

Educational Objective(s): Each learner will be able to describe three complex medical conditions that may involve a cleft lip and/or palate diagnosis. Each learner will be able to describe three reasons for adaptation of cleft care protocols to account for an associated complex medical condition.

Abstract: 106

Advanced Course IV: Nasoalveolar Molding In Patients With Bilateral Clefts Of The Lip, Alveolus And Palate*
Westmoreland East
Pradip Shetye, Roberto Flores

Educational Objective(s): Each learner will be able to describe the NAM technique in the management of patients with bilateral cleft lip and palate; describe the one stage surgical repair of the lip, nose, and alveolus in patients with bilateral cleft lip and palate following NAM technique.

Abstract: 107

Study Session H: Economics Of Team Care: How Teams Are Surviving In This Fiscal Climate
Fayette
Ruth Trivelpiece, Jennifer Rhodes, Cassandra Aspinall, Michael Nelson, Marilyn Cohen

Educational Objective(s): Each learner will be able to identify the different challenges facing teams including different billing models and varied funding sources within the framework of increasing pressure to providers for income generating revenues.

Abstract: 108

Study Session I: ‘All I Want For Christmas Is My Two Front Teeth’: When Orthodontics And Orthognathic Surgery Are Not Enough
Washington
Carolyn Kerins, YongJong Park, Michael Oppedisano

Educational Objective(s): Each learner will be able to list the typical prosthodontic needs of craniofacial patients and understand that when working with a prosthodontist, the orthodontic treatment plan will likely be modified.

Abstract: 109

Study Session J: Improving SLPs’ Success Rate In Distinguishing Learned Speech Errors From Obligatory Errors In Speakers With Repaired Cleft Palate: An Audience Participatory Forum
Westmoreland Central
Anne Bedwinek, Ellen Cohn, Lynn Grames, Julia Hobbs, Judy LeDuc, Kerry Mandulak, Sally Peterson-Falzone

Educational Objective(s): Each learner will be able to 1) Discuss why it is important for SLPs to discriminate learned speech errors from obligatory errors in speakers with repaired...
clefts and other forms of velopharyngeal dysfunction. 2) Discuss why it is important for SLPs to differentiate both of the above types of errors from developmental errors.

Abstract: 110

Study Session K: How Oral, Dental, And Occlusal Anomalies Related To CLP Affect Speech And Resonance

Somerset East

Ann Kummer

Educational Objective(s): Each learner will be able to discuss how structure, function and physics interact during the production of normal speech. Each learner will be able to describe how various oral, dental and occlusal anomalies affect both speech and resonance. Each learner will be able to determine appropriate treatment based on whether there are obligatory distortions or compensatory errors.

Abstract: 111

Study Session L: How To Rotate And Advance A Lip: A Primer On Unilateral Cleft Lip Repair

Somerset West

Richard Kirschner

Educational Objective(s): Each learner will be able to describe and execute a technique of modified rotation-advancement cleft lip repair.

Abstract: 112

Study Session M: Controversies In Alveolar Cleft Bone Grafting

Butler

Jennifer Woerner, Jean-Charles Doucet, Ronald Hathaway, Timothy Turvey, Stephanie Drew

Educational Objective(s): Each learner will be able to 1) Discuss gingivoperiosteoplasty and evidence relating to its use 2) Better understand orthodontic preparation for alveolar bone grafting as related to timing of repair 3) Describe traditional alveolar cleft bone grafting with autogenous bone 4) Discuss benefits and drawbacks to early secondary alveolar cleft bone grafting 5) Assess the use of BMP in alveolar bone grafting.

Abstract: 113

Study Session N: Implementing A Standardized Speech Outcome Assessment Protocol For Use In The Cleft Palate Clinic

Cambria West

Kelly Cordero, Angela Dixon, Adriane Baylis, Kristina Wilson, Anna Barigayomwe

Educational Objective(s): Each learner will be able to: describe methods for collecting standard high-quality speech outcome data, including a clinical protocol based on the americleft speech project; identify documentation and regulatory requirements (e.g. IRB) that may be necessary to collect and/or report speech outcome data for research; describe strategies for analyzing and reporting speech outcome data for quality improvement.

Abstract: 11

Study Session O: Neonatal Ear Molding: A Practical Hands-On Instructional Course

Cambria East

James Seaward, Rami Hallac, Maleeh Effendi, Kaylee Williams, Alex Kane

Educational Objective(s): Each learner will be able to undertake our ear molding technique and apply this treatment modality to their cleft/craniofacial team.

Abstract: 115
Can Head Circumference Be Used As A Proxy For Intracranial Volume In Patients With Craniosynostosis?
Asra Hashmi
Abstract: 256

Central Defect-Control Pharyngeal Flap Surgery Based On Nasoendoscopic Findings: Maximizing Speech Outcomes And Limiting Complications
Heeyeon Kwon
Abstract: 257

Challenging Convention: Assessment Of Perioperative Complications Associated With Outpatient Primary Cleft Palate Surgery
Rami Kantar
Abstract: 258

Comparison Of Endoscopic Versus Open Surgical Correction Of Sagittal Craniosynostosis Using A Novel Technique
Lisa Block
Abstract: 259

Congenital Abnormalities And Medical Conditions Associated With Cleft Lip And Palate At The Komfo Anokye Teaching Hospital, Ghana
Gyikua Plange-Rhule
Abstract: 260

Effect Of Patient Age On Outcomes Of Endoscopic Repair Of Metopic Synostosis
Sean McEvoy
Abstract: 261

Effects Of Ethanol Pretreatment For Tissue Engineering A Chondrocyte-Seeded Human Ear Scaffold
Qing Yu
Abstract: 262

Evaluation And Imaging Of Pediatric Macrocephaly In A Single Tertiary Care Center
Alaina Butler
Abstract: 263

Evidence Of Interaction Between Genes In The Folate/Homocysteine Metabolic Pathway In Controlling Risk Of Nonsyndromic Oral Cleft
Ping Wang
Abstract: 264

Evidence-Based Comprehensive Cleft Care In Lower Resource Settings: A Systematic Review
Jordan Swanson
Abstract: 265

Impact Of Hospital Characteristics On Mandibular Distraction Osteogenesis Outcomes Using A National Inpatient Database
Alexander Marston
Abstract: 266

Is Fundamental Frequency Altered Following Surgical Or Prosthetic Adaptations To The Vocal Tract?
Kazlin Mason
Abstract: 267

Leveling The Maxillary Occlusal Plane In Patients With Hemifacial Microsomia Using Unilateral Vertical Mandibular Distraction Osteogenesis Without Orthodontic Appliances
Navid Pourtaheri
Abstract: 268

Microvascular Replantation Following Dog Bites In Children: Systematic Review And Management Protocol
Amanda Williams
Abstract: 269

Orbital Asymmetry: A Critical Evaluation Of The Unicoronal Craniosynostosis Deformity
Aaron Foglio
Abstract: 271

OSA Prevalence In The General Craniofacial Population.
Ian Canepa
Abstract: 272

Perioperative Complications Associated With Outpatient Versus Inpatient Primary Cleft Lip Surgery
Rami Kantar
Abstract: 273

Perioperative Outcomes Following Mandibular Distraction In Infants With Pierre Robin Sequence
Kevin Lee
Abstract: 274

Photogrammetric Outcomes Of Primary Cleft Nasal Correction In Unilateral Cleft Lip
Maria Teresa Nunez-Villaveiran Baselga
Abstract: 275

Predicting The Need For Orthognathic Surgery In Patients With Cleft Lip And/Or Palate
Adam Henrie
Abstract: 276

Soft Tissue Reconstruction In Patients With Hemifacial Microsomia: Review Of The Literature
Nicholas Sinclair
Abstract: 277

Speech Outcomes Of The Routine Treatment Offered To Children With Isolated Cleft Palate At A Specialized Hospital Unit: Nasality And Nasalance Assessment At 5 Years Of Age
Ivy Trindade-Suedam
Abstract: 278

Surgical Management And Outcomes Of Pierre Robin Sequence: A Comparison Of Mandibular Distraction Osteogenesis And Tongue-Lip Adhesion
Rosaline Zhang
Abstract: 72
ACPA’s Annual Meeting Program: Friday

- The Craniofacial Orthodontic Experience
  In Orthodontic Residents
  Alexander DiMassa
  Abstract: 279

- The Effect Of Intra-Operative Acetaminophen
  In Cleft Palate Repair
  Logan Carr
  Abstract: 280

- The Management Of Cosmetically Challenging Facial
  Congenital Melanocytic Nevi
  Michaela Tsuha
  Abstract: 281

- The Role Of Environmental Factors In The Etiology
  Of Nonsyndromic Orofacial Clefts In The Ethiopian
  Population
  Mekonen Abebe
  Abstract: 282

- Transition Of Craniofacial Anomaly Care From
  Childhood To Adulthood
  Paul Bigg
  Abstract: 283

- Treatment Outcome Of Bimaxillary Surgery For
  Asymmetric Skeletal Class II Deformity
  Yun-Fang Chen
  Abstract: 284

- Trends In Alveolar Bone Grafting And The Use Of
  Recombinant Bone Morphogenic Protein (RhBMP)
  In The United States
  Melissa Kanack
  Abstract: 285

- Unilateral Alveolar Cleft Size On Prenatal
  Ultrasonography Predicts Cleft Of The Secondary Palate
  Albert Oh
  Abstract: 286

- Use Of Bone Allograft During Palatoplasty
  Of The Hard Palate
  Sagar Mehta
  Abstract: 287

- Use Of Cone Beam Computed Tomography To Diagnose
  The Presence And Extent Of Velopharyngeal Dysfunction
  And To Assist In Planning For Management Of The Disorder
  Karen Tessler
  Abstract: 288

- Uvular/Pharyngeal Fricatives And Glottal Stops In
  The Presence Of Velopharyngeal Closure In Toddlers
  With Cleft Lip And Palate: Case Reports
  Marziye Eshghi
  Abstract: 289

- Velopharyngeal Dysfunction Resulting From
  Vincristine Chemotherapy In Treatment Of
  Acute Lymphoblastic Leukemia
  Lynn Grames
  Abstract: 290

ASCFS Linton Whitaker Lecture
Aesthetic Craniofacial Surgery: The Legacy
of Linton Whitaker
8:00 am - 9:00 am - Allegheny III
Chair: Stephen Baker
Presenter: Joseph McCarthy
The American Society of Craniofacial Surgeons presents the
Linton Whitaker Lecture, which is given by a person whose
work or career exemplifies the very best in the art
and science of craniofacial surgery.
Educational Objective(s): Each learner will be able to discuss the
history and current challenges of american craniofacial surgery.
Abstract: 155

Game Changers
8:00 am – 8:30 am
Game Changer Sessions commemorate the advancements
in care over the past 75 years. Each session will focus on a
specific development and how it has dramatically changed
the world of cleft and craniofacial care.
Abstract: 323

Game Changers
8:30 am – 9:00 am
Game Changer Sessions commemorate the advancements
in care over the past 75 years. Each session will focus on a
specific development and how it has dramatically changed
the world of cleft and craniofacial care.
Abstract: 323

- Prenatal Diagnosis
  Allegheny I
  Chair: Ronald Reed Hathaway
  Presenter: Julie Moldenhauer

- Imaging
  Allegheny II
  Chair: Jerald Moon
  Presenter: David Kuehn

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*Separate Registration required. *Invitation Only.
ACPA Annual Business Meeting
9:15 am - 10:15 am - Allegheny I
Open to all ACPA Members. ACPA Active, International and Life Members are eligible to vote.

Morning Break
10:15 am - 10:30 am - Allegheny Foyer
Meet with exhibitors or visit with poster presenters.

Concurrent Session 1: Genetics
10:30 am - 12:00 pm - Cambria
Chair: Marie Tolarova
Co-Chair: Nancy Minugh-Purvis
Educational Objective(s): Each learner will be able to discuss new research findings or techniques related to genetic considerations of cleft care.

A Genome-Wide Association Study Of Velopharyngeal Insufficiency
10:30 am - 10:40 am
Jonathan Chernus
Abstract: 156

Genome-Wide Analyses Identify One Significant And Seven Highly Suggestive New Loci For Orofacial Clefts In The African Population
10:40 am - 10:50 am
Azeez Butali
Abstract: 157

Missense Mutations In SMCHD1 Cause Congenital Nasal Hypoplasia (Binder Phenotype)
10:50 am - 11:00 am
Natalie Shaw
Abstract: 158

A Systematic Analysis Of Orofacial Clefts Reveals Subtype-Specific Genetic Effects
11:00 am - 11:10 am
Elizabeth Leslie
Abstract: 159

Discussion
11:10 am - 11:20 am

Subepithelial Orbicularis Oris Muscle Discontinuities In A Multiethnic Sample Of Individuals With Nonsyndromic Isolated Cleft Palate Versus Controls
11:20 am - 11:30 am
Mary Marazita
Abstract: 160

A Comparison Of Early Versus Late Prenatal MRI In The Diagnosis Of Cleft Palate
11:30 am - 11:40 am
Kathryn Schlechtweg
Abstract: 161

Concurrent Session 2: Nursing
10:30 am - 12:00 pm - Allegheny I
Chair: Patricia Chibbaro
Co-Chair: Elena Hopkins
Educational Objective(s): Each learner will be able to discuss clinical treatment ideas in nursing.

Are We Meeting The Psychosocial Needs Of Adolescents In The Cleft And Craniofacial Clinic?
10:30 am - 10:40 am
Kate Pederson
Abstract: 163

Utilizing Video Visits For Prenatal Specialty Bottle Teaching
10:40 am - 10:50 am
Kristine Miu
Abstract: 164

Cleft Newborn Care And Feeding Strategies: Educational Outreach For Medical Professionals
10:50 am - 11:00 am
Helen Huff
Abstract: 165

Impact Of Early Aggressive Repositioning And Physical Therapy For Patients With Deformational Plagiocephaly And Congenital Muscular Torticollis
11:00 am - 11:10 am
Regina Fenton
Abstract: 166

Discussion
11:10 am - 11:20 am

Tracheal Cartilaginous Sleeve (TCS) In Syndromic Craniosynostosis: A Case For Early Identification And Management
11:20 am - 11:30 am
Karla Haynes
Abstract: 167

Optimizing The Birth Experience-The Role Of The Nurse During The Prenatal Consultation
11:30 am - 11:40 am
Patricia Chibbaro
Abstract: 168

Over FISHing: Findings In 1400 Patients With 22q11.2 Deletion Syndrome
11:40 am - 11:50 am
Donna McDonald-McGinn
Abstract: 162

Discussion
11:50 am - 12:00 pm
Experiences Of Parents Of Children With Robin Sequence: Quality Of Life And Quality Of Care
11:40 am - 11:50 am
Jonathan Skirko
Abstract: 169
Discussion
11:50 am - 12:00 pm

Concurrent Session 3: Maxillofacial Surgery And Audiology
10:30 am - 12:00 pm - Allegheny II
Chair: Jean-Charles Doucet
Co-Chair: Krishna Patel
Educational Objective(s): Each learner will be able to discuss new research findings or techniques related to maxillofacial surgery and audiology in cleft care.

Differences In The Tensor Veli Palatini Between Adults With And Without Cleft Palate Using High Resolution Three-Dimensional Magnetic Resonance Imaging
10:30 am - 10:40 am
Jamie Perry
Abstract: 170
Optimization Of Large Orbital Fracture Reconstruction Using Low-Cost Patient Specific 3D Printed Models
10:40 am - 10:50 am
Lucas Dvoracek
Abstract: 171
Salvage Or Solution? Alloplastic Reconstruction In Hemifacial Microsomia.
10:50 am - 11:00 am
John Polley
Abstract: 172
Influence Of Clefting On Layperson Perception Following Orthognathic Surgery
11:00 am - 11:10 am
Lawrence Lin
Abstract: 173
Discussion
11:10 am - 11:20 am
Stability Following Orthognathic Surgery In Patients With Complete Cleft Lip And Palate (CLP) Following LeFort I Skeletal Advancement & A Strict Post-Operative Protocol
11:20 am - 11:30 am
Pradip Shetye
Abstract: 174
Volumetric Analysis Of Allograft And Autograft For Alveolar Bone Grafting Pre- And Postoperatively Using Cone Beam Computed Tomography
11:30 am - 11:40 am
David Reisberg
Abstract: 175

A Randomized Clinical Study: Outcome Of Septoplasty And Turbinate Reduction During Le Fort I Osteotomy In Unilateral Cleft Lip And Palate
11:40 am - 11:50 am
Yu-Fang Liao
Abstract: 176
Discussion
11:50 am - 12:00 pm

Concurrent Session 4: Velopharyngeal Function And Speech
10:30 am - 12:00 pm - Westmoreland
Chair: Kristina Wilson
Co-Chair: Graham Schenck
Educational Objective(s): Each learner will be able to discuss new research findings or clinical techniques related to velopharyngeal function and speech of patients with cleft and craniofacial anomalies.

Comparison Of Velopharyngeal Dimensions Between Children With And Without Repaired Cleft Palate
10:30 am - 10:40 am
Katelyn Kotlarek
Abstract: 177
Structural And Functional Changes Following Velopharyngeal Resistance Training: A Prospective Controlled Study In Healthy Adults
10:40 am - 10:50 am
Youkyung Bae
Abstract: 178
Variations In Velopharyngeal Structure In Adults With Repaired Cleft Palate
10:50 am - 11:00 am
Jamie Perry
Abstract: 179
How Does The Tensor Veli Palatini Muscle Affect Velopharyngeal Closure?
11:00 am - 11:10 am
Catherine Pelland
Abstract: 180
Discussion
11:10 am - 11:20 am
Can Dynamic MRI Be Used To Accurately Identify Velopharyngeal Closure Patterns?
11:20 am - 11:30 am
Jamie Perry
Abstract: 181
Using Nasalance Scores To Pre-Classify Oral-Nasal Balance Disorders Before Perceptual Analysis
11:30 am - 11:40 am
Tim Bressmann
Abstract: 182

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*Separate Registration required. *Invitation Only.
Crowdsourcing To Assess Perceptual Speech Outcomes: A Systematic Review
11:40 am - 11:50 am
Anne Sesceifer
Abstract: 183
Discussion
11:50 am - 12:00 pm

Concurrent Session 5: ASCFS I
10:30 am - 12:00 pm - Allegheny III
Co-Chairs: Craig Birgfeld, Albert Woo
Educational Objective(s): Each learner will be able to discuss new research findings or surgical management techniques related to craniosynostosis.

Neurological Outcomes Of Posterior Vault Distraction Osteogenesis For Syndromic Craniosynostosis
10:30 am - 10:40 am
James Paliga
Abstract: 184

Distraction Osteogenesis For Unicoronal Craniosynostosis: An Evaluation Of Perioperative Morbidity And Rates Of Strabismus
10:40 am - 10:50 am
Ian Hoppe
Abstract: 185

A Cranioiometric Analysis Of Posterior Vault Distraction And Its Effects On Frontal Cranial Morphology
10:50 am - 11:00 am
Ian Hoppe
Abstract: 186
Discussion
11:00 am - 11:10 am

Nuts And Bolts Of How To Make, Select, And Surgical Technique On Spring Assisted Surgery For Sagittal Craniosynostosis
11:10 am - 12:00 pm
Lisa David
Abstract: 187

ASCFS Business Meeting And Luncheon*
12:00 pm - 1:30 pm - Pennsylvania West
Open to ASCFS Members.

ACPA SIG Discussion Forums
12:30 pm - 1:30 pm
These forums serve as an opportunity to discuss current trends. All Meeting attendees are welcome to attend. Attendees can purchase lunch and take it into the session.

22q SIG*
Butler
Chair: Adriane Baylis
Co-Chair: Oksana Jackson

Care Coordination SIG*+ Somererset
Chair: Iris Sageser
Co-Chair: Jo Artz

Ethics SIG*
Fayette
Chair: Howard Saal
Co-Chair: Christian Vercler

Mental Health SIG*
Washington
Chair: Kathleen Kapp-Simon
Co-Chair: Alexis Johns

ACPA Board Meeting^*
1:30 pm - 3:30 pm - Pennsylvania East

Concurrent Session 6: Bench To Bedside
1:30 pm - 3:00 pm - Cambria
Chair: Janice Lee
Co-Chair: Hyun-Duck Nah
Educational Objective(s): Each learner will be able to discuss research topics from bench to bedside.

Modular Characterization Of Facial Endophenotypes In Parents Of Individuals With Non-Syndromic Orofacial Clefts
1:30 pm - 1:40 pm
Karlijne Indencleef
Abstract: 188

Maternal Vitamin B12 Status Is Associated With Risk Of Cleft Lip And Cleft Palate In Tamil Nadu State, India
1:40 pm - 1:50 pm
Ronald Munger
Abstract: 189

Repair Of Alveolar Cleft With Attenuated Inflammatory Response By Controlled Release Of BMP-2 From Peptide Amphiphile Nanofibers In RAT
1:50 pm - 2:00 pm
Reena Bakshi
Abstract: 190

Changes In Visual Evoked Potentials After Surgical Intervention For Craniosynostosis
2:00 pm - 2:10 pm
Mostafa Haredy
Abstract: 191
Discussion
2:10 pm - 2:20 pm

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*Separate Registration required. ^Invitation Only. + Session does not include lunch.
ACPA’s Annual Meeting Program: Friday

Practical CT Scan Findings For Accurately Diagnosing Metopic Craniosynostosis
2:20 pm - 2:30 pm
Craig Birgfeld
Abstract: 192

Neurosurgery And The CNS Plagiocephaly Guidelines
2:30 pm - 2:40 pm
Alexander Lin
Abstract: 193

A Quantitative Analysis Of Weight Gain Following Mandibular Distraction Osteogenesis In Robin Sequence
2:40 pm - 2:50 pm
Cyril Gary
Abstract: 194

Discussion
2:50 pm - 3:00 pm

Concurrent Session 7: Team Care
1:30 pm - 3:00 pm - Allegheny I
Chair: Iris Sageser
Co-Chair: Maureen Andrews

Educational Objective(s): Each learner will be able to discuss new topics related to team care and coordination.

The Role Of Family-Led Care Coordination In Streamlining Clinic And Reducing Coordination Workload
1:30 pm - 1:40 pm
Emily Gallagher
Abstract: 195

Craniofacial Team Clinic: Patient Attrition Rates And Reasons For Loss To Follow-Up
1:40 pm - 1:50 pm
Danielle Cooper
Abstract: 196

Implementing A Health Surveillance Checklist For Caregivers Of Patients With 22q11.2 Deletion Syndrome
1:50 pm - 2:00 pm
Nichole Buswell
Abstract: 197

Survey Of Parent Perceptions Of Cleft Team Visits: A Business Process Improvement Initiative
2:00 pm - 2:10 pm
Amanda Smith
Abstract: 198

Discussion
2:10 pm - 2:20 pm

Transitional Care: Utilizing An Assessment Tool To Help Patients And Families To Identify Transitional Needs And Perceptual Differences Between The Parent And The Child
2:20 pm - 2:25 pm
Johnice Hargadon
Abstract: 199

Survey Of North American Multidisciplinary Cleft Palate And Craniofacial Team Clinic Administration And Organization
2:25 pm - 2:30 pm
Kristin Pfiefauf
Abstract: 200

Routine Screening For Sleep Problems In The Cleft-Craniofacial Population: Is It Worth The Effort?
2:30 pm - 2:40 pm
Marilyn Cohen
Abstract: 201

How To Create, Implement And Sustain A Readiness Board Tracking System To Streamline Communication, Increase Efficiency, And Optimize Craniofacial Multispecialty Clinic Coordination
2:40 pm - 2:50 pm
Jennifer Bond
Abstract: 202

Discussion
2:50 pm - 3:00 pm

Concurrent Session 8: Cleft Surgery I
1:30 pm - 3:00 pm - Allegheny II
Chair: Thomas Sitzman
Co-Chair: David Low

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

The ROCK (Reducing Opioid Use In Cleft Kids) Protocol: A Multidisciplinary Quality Improvement Effort To Reduce Perioperative Opioid Use In Patients Undergoing Any Stage Of Cleft Lip Or Palate Repair
1:30 pm - 1:40 pm
Brian Chang
Abstract: 203

Component Restoration In The Unilateral Intermediate Cleft Tip Rhinoplasty: Technique And Morphologic Evaluation
1:40 pm - 1:50 pm
Julia Ayeroff
Abstract: 204

Changes In CUCLP Nasolabial Appearance Ratings Following Secondary Revision Surgery
1:50 pm - 2:00 pm
Wasna Dabbagh
Abstract: 205

Longitudinal 3D Analysis Of Alar Base And Nasal Shape Changes Following Unilateral Cleft Lip Repair And Foundation Based Primary Rhinoplasty
2:00 pm - 2:10 pm
Raymond Tse
Abstract: 206

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ACPA's Annual Meeting Program: Friday —

Discussion
2:10 pm - 2:20 pm

Prevalence Of Dental Anomalies In Unilateral Cleft Lip And Palate After Gingivoperiosteoplasty
2:20 pm - 2:30 pm
Travis Gibson
Abstract: 207

Early Secondary Alveolar Bone Grafting Does Not Restrict Transverse Maxillary Growth
2:30 pm - 2:40 pm
Jean-Charles Doucet
Abstract: 208

Implementation Of An Enhanced Recovery Protocol In Cleft Palate Repairs
2:40 pm - 2:50 pm
Stefanie Hush
Abstract: 209

Discussion
2:50 pm - 3:00 pm

Concurrent Session 9: Speech
1:30 pm - 3:00 pm - Westmoreland
Chair: Kelly Cordero
Co-Chair: Alison Scheer-Cohen

Educational Objective(s): Each learner will be able to discuss new research findings or clinical techniques related to treating the speech of patients with cleft and craniofacial anomalies.

Establishing The Reliability And Validity Of The Rhinocleft® Perceptual Speech Assessment
1:30 pm - 1:40 pm
David Fitzsimons
Abstract: 210

Speech Sample Validity For Velopharyngeal Assessment: A Review Of The Literature
1:40 pm - 1:50 pm
Lynn Grames
Abstract: 211

Emergence Of Stop Consonants In Children With Repaired Cleft Palate
1:50 pm - 2:00 pm
David Zajac
Abstract: 212

Evaluation Of Speech And Velopharyngeal Function At One Year Of Age As A Predictor For Outcomes At Five Years Of Age
2:00 pm - 2:10 pm
Audrey Smith
Abstract: 213

Discussion
2:10 pm - 2:20 pm

Examining Predictors And Identifying Speech And Language Characteristics Of Children With Cleft Palate At 39 Months Of Age
2:20 pm - 2:30 pm
Lauren Beckett
Abstract: 214

Phonological Profile Of Patients With Velopharyngeal Dysfunction And Palatal Anomalies
2:30 pm - 2:40 pm
Ariela Nachmany
Abstract: 215

Profiling Speech/Language Outcomes Of Children With Cleft Palate At 39 Months Of Age
2:40 pm - 2:50 pm
Lauren Beckett
Abstract: 216

Discussion
2:50 pm - 3:00 pm

Concurrent Session 10: ASCFS II
1:30 pm - 3:00 pm - Allegheny III
Chair: Jonathan Black
Co-Chair: Jason Pomerantz

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

Regression Of Cephalic Index Following Endoscopic Repair Of Sagittal Synostosis
1:30 pm - 1:40 pm
Nicholas Pickersgill
Abstract: 217

Comparison Of Endoscopic To Open Spring-Assisted Surgery: Improving Safety While Maintaining Outcomes In Treating Scaphocephaly
1:40 pm - 1:50 pm
J. Genevieve Park
Abstract: 218

Evaluation Of Outcomes In Endoscopic Treatment Of Metopic Craniosynostosis At 5 Years Postoperative
1:50 pm - 2:00 pm
Austin Ha
Abstract: 219

Orthognathic Surgery Rates In Craniofacial Microsomia: Is Early MDO Associated With A Decreased Need For Orthognathic Correction At Skeletal Maturity?
2:00 pm - 2:10 pm
Rosaline Zhang
Abstract: 220

Discussion
2:10 pm - 2:20 pm

All disclosures may be found in ACPA’s Annual Meeting Abstract Book, on the ACPA website and in the ACPA Meeting App.
*Separate Registration required. *Invitation Only.
Eruption Of Maxillary Posterior Permanent Teeth Following Early Conventional LeFort III Advancement And LeFort III Distraction Surgeries
2:20 pm - 2:30 pm
Marina Gonchar
Abstract: 221

Incidence Of Secondary Midface Advancement At The Time Of Skeletal Maturity In Patients With A History Of Early Le Fort III Distraction Osteogenesis
2:30 pm - 2:40 pm
Gerald Cho
Abstract: 222

Ear Molding In A Children’s Hospital Clinic: A Series Of 285 Treatments
2:40 pm - 2:50 pm
Maleeh Effendi
Abstract: 223

Discussion
2:50 pm - 3:00 pm

Afternoon Break
3:00 pm - 3:30 pm - Allegheny Foyer
Meet with exhibitors or visit with poster presenters.

Concurrent Session 11: Orthodontics And Dentistry
3:30 pm - 5:00 pm - Cambria
Chair: Deji Fashemo
Co-Chair: Lindsey Schuster
Educational Objective(s): Each learner will be able to discuss new research findings or techniques related to orthodontics and dentistry in cleft care.

Adherence To Orthodontic Treatment In Cleft Lip/Palate Populations: A Survey Of Treatment Providers
3:30 pm - 3:40 pm
Canice Crerand
Abstract: 224

NAM vs. Lip Adhesion: A Cephalometric Comparison Of Phase I Orthodontic Considerations
3:40 pm - 3:50 pm
Jack Brooker
Abstract: 225

Evaluation Of Alveolar Characteristics Of 5-Year-Old Patients With Unilateral Cleft Lip And Palate Treated With Or Without Infant Orthopedics
3:50 pm - 4:00 pm
Esra Pulcu
Abstract: 226

Effects Of Alveolar Cleft Management On Permanent Canine Position And Eruption: Comparing Gingivoperiosteoplasty And Secondary Alveolar Bone Grafting
4:00 pm - 4:10 pm
Travis Gibson
Abstract: 227

Discussion
4:10 pm - 4:20 pm

A 20-Year Follow-Up Of Facial Growth Of Patients With Unilateral Cleft Lip And Palate Following Modified Veau-Wardill-Kilner Palatoplasty
4:20 pm - 4:30 pm
Konomi Iwasaki
Abstract: 228

Do Dentition Patterns In Different Unilateral Cleft Lip Subphenotypes Exist?
4:30 pm - 4:40 pm
Edwin Ongkosuwito
Abstract: 229

Pediatric Mandibular Distraction Osteogenesis And Long-Term Dental Morbidity
4:40 pm - 4:50 pm
Wendy Chen
Abstract: 230

Discussion
4:50 pm - 5:00 pm

Concurrent Session 12: Psychosocial
3:30 pm - 5:00 pm - Allegheny I
Chair: Kathy Kapp-Simon
Co-Chair: Janine Rosenberg
Educational Objective(s): Each learner will be able to discuss new research findings or techniques related to psychosocial considerations of cleft care.

Children’s Oral Health-Related Quality Of Life From Caregiver And Youth Longitudinal Reports Using The COHIP And COHIP-SF
3:30 pm - 3:40 pm
Hillary Broder
Abstract: 231

Development And Validation Of The Child Oral Health Impact Profile-Preschool (COHIP-PS)
3:40 pm - 3:50 pm
Patricia Chibbaro
Abstract: 232

Single Word Reading In Boys With Non-Syndromic Oral Clefts; Comparison To Unaffected Average And Dyslexic Readers Using The Dual Route Model
3:50 pm - 4:00 pm
Emily Laing
Abstract: 233
4:00 pm - 4:10 pm
Jonathan Skirko
Abstract: 234
Discussion
4:10 pm - 4:20 pm
Maternal Origin Of Familial 22q11.2 Deletions Negatively Impacts FSIQ Scores
4:20 pm - 4:30 pm
Daniel McGinn
Abstract: 235
Early Language Development In Children With Craniofacial Microsomia: The Role Of Socio-Economic Status And Interventions
4:30 pm - 4:40 pm
Alexis Johns
Abstract: 236
A Multi-Site Study Of The Relationships Between Treatment Protocol And Psychosocial Outcomes In Children With Cleft Lip And Palate
4:40 pm - 4:50 pm
Canice Crerand
Abstract: 237
Discussion
4:50 pm - 5:00 pm
Concurrent Session 13: Cleft Surgery II
3:30 pm - 5:00 pm - Allegheny II
Chair: Oksana Jackson
Co-Chair: David Fitzsimmons
Educational Objective(s): Each learner will be able to discuss new topics related to cleft lip and palate surgery.

Long-Term Follow-Up Of A Prospective Randomized Trial Of Cleft Palate Repairs, Comparing The Intravelar-Veloplasty And The Double-Opposing Z-Plasty
3:30 pm - 3:40 pm
Michael Friel
Abstract: 238
Postoperative Outcomes After Cleft Palate Surgery: A Systematic Review And Meta Analysis
3:40 pm - 3:50 pm
Michael Stein
Abstract: 239
Furlow Palatoplasty Effectively Treats Velopharyngeal Insufficiency In Patients With Occult Submucous Cleft Palate: Long Term Outcomes
3:50 pm - 4:00 pm
Michael Bykowski
Abstract: 240
Surgical And Long-Term Speech Outcomes Of Cleft Palate Repair In Patients With Robin Sequence Versus Isolated Cleft Palate
4:00 pm - 4:10 pm
Robrecht Logjes
Abstract: 241
Discussion
4:10 pm - 4:20 pm
Comparison Of Clinical Outcomes For Two Pharyngeal Flap Surgical Approaches
4:20 pm - 4:30 pm
Shiva Rangwani
Abstract: 242
Wnt7a Injection Augments Levator Veli Palatini Muscle: A Potential Biotherapy For Cleft Palate
4:30 pm - 4:40 pm
Jingtao Li
Abstract: 243
A Pilot Study Of Surgeon-Delivered Audit And Feedback To Reduce Incidence Of Fistula After Cleft Palate Repair
4:40 pm - 4:50 pm
Thomas Sitzman
Abstract: 244
Discussion
4:50 pm - 5:00 pm
Concurrent Session 14: Internal Clinical Audits Panel
3:30 pm - 5:00 pm - Westmoreland
Chair: Carrie Heike
Ross Long, Thomas Sitzman, Kathy Chapman, Kathy Kapp-Simon, Jean-Charles Doucet, Kathleen Russell, Ana Mercado, Kelly Cordero, Canice Crerand, Adriane Baylis
Educational Objective(s): Each learner will be able to: 1) participate in establishing the protocols within their centers for standardized recording of outcomes; 2) carry out routine internal audits of the outcomes from various aspects of treatment; and 3) understand the requirements for participation in intercenter comparisons for the purpose of external peer benchmarking.
Abstract: 245
Concurrent Session 15: ASCFS III
3:30 pm - 5:00 pm - Allegheny III
Co-Chairs: Alexander Lin, Anand Kumar
Educational Objective(s): Each learner will be able to discuss new research findings or surgical management techniques related to craniofacial surgery.
Morphologic Severity Of Craniosynostosis: Implications For Speech And Neurodevelopment
3:30 pm - 3:40 pm
Damini Tandon
Abstract: 246

Long-Term Outcomes Of Spring-Assisted Surgery For Sagittal Craniosynostosis
3:40 pm - 3:50 pm
Christopher Runyan
Abstract: 247

Intracranial Volumes Of Healthy Children In The First 3 Years Of Life: An Analysis Of 270 MRIs
3:50 pm - 4:00 pm
Michael Brandel
Abstract: 248

Experience With Multidisciplinary Pediatric Blood Management Team In Synostosis Surgery
4:00 pm - 4:10 pm
Joshua Kelley
Abstract: 249

Development And Implementation Of A Rapid Recovery Pathway To Reduce Intensive Care Unit Stay For Low-Risk Craniosynostosis Patients
4:20 pm - 4:30 pm
Lawrence Lin
Abstract: 250

Acute Perioperative Intracranial Pressure Changes In Children With Craniosynostosis
4:30 pm - 4:40 pm
Brendan Judy
Abstract: 251

Safety Of Ketorolac Administration After Major Cranial Surgery For Craniosynostosis
4:40 pm - 4:50 pm
Fatma Betul Tuncer
Abstract: 252

Discussion
4:50 pm - 5:00 pm

SATURDAY, APRIL 14, 2018

Registration
7:30 am - 12:00 pm - Allegheny Foyer

Concurrent Session 16: Revision Surgery For Velopharyngeal Insufficiency Panel
Revision Surgery For Velopharyngeal Insufficiency: Thinking Outside Of The Box Without Crossing The Line
8:00 am - 9:00 am - Allegheny I
Chair: Richard Kirschner

Co-Chair: Cynthia Solot
Steven Goudy, Travis Tollefson, Ann Kummer, Brian Andrews, Jonathan Skirko
Educational Objective(s): Each learner will be able to discuss the initial and revision surgical management for velopharyngeal insufficiency and discuss the quality of life metrics used to assess the improved speech. The objective of this presentation is to discuss the assessment, options for management and follow-up for patients with persistent velopharyngeal insufficiency after initial surgery.
Abstract: 292

Concurrent Session 17: ASCFS IV
8:00 am - 9:00 am - Allegheny III
Co-Chairs: Jesse Goldstein, Davinder Singh
Educational Objective(s): Each learner will be able to discuss new research findings or surgical management techniques related to craniofacial surgery.
Balancing Distraction Forces: Minimizing Proximal Mandibular Rotation Using Check L-Plate In Vertical Mandibular Distraction Osteogenesis
8:00 am - 8:10 am
Sameer Shakir
Abstract: 293
Effects Of Unilateral Vertical Mandibular Distraction Osteogenesis On Airway Volume In Children With Hemifacial Microsomia
8:10 am - 8:20 am
Navid Pourtaheri
Abstract: 294
Predictive Factors For Management Course Of Neonates With Pierre Robin Sequence
8:20 am - 8:30 am
R. Rotatori
Abstract: 295
Tongue Lip Adhesion: Effective Acute Management Of The Airway In Robin Sequence
8:30 am - 8:40 am
John Jensen
Abstract: 296
Evolution Of Spring-Assisted Surgery For Non-Sagittal Craniosynostosis
8:40 am - 8:50 am
Christopher Runyan
Abstract: 297
Discussion
8:50 am - 9:00 am
Morning Break
9:00 am - 9:30 am - Allegheny Foyer
Concurrent Session 18: Short Talks
9:30 am - 11:30 am - Allegheny I
Chairs: Lynn Fox
Co-Chair: Joli Chou

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

An Algorithm For Predicting Robin Sequence On Fetal MRI
9:30 am - 9:34 am
Cory Resnick
Abstract: 298

An Evaluation Of Parental Stressors And Perceptions Of Distraction Osteogenesis In Pediatric Patients
9:35 am - 9:39 am
Rosaline Zhang
Abstract: 299

Analysis Of The Impact Of Age And Subtype Of Sagittal Craniosynostosis On Outcomes Of Spring-Assisted Surgery: A Subgroup Analysis
9:40 am - 9:44 am
J. Genevieve Park
Abstract: 300

Preoperative Alveolar Segment Position As A Predictor Of Successful Gingivoperiosteoplasty In Patients With Unilateral Cleft Lip And Palate
9:45 am - 9:49 am
Elcin Esenlik
Abstract: 301

Apnea-Hypopnea Index Does Not Correlate With Weight Gain Or Failure To Thrive In Infants With Robin Sequence
9:50 am - 9:54 am
Pamela Tan
Abstract: 302

Burden Of Cleft Surgery – A 21 Year Follow Up Of All Cleft Patients Treated At A Single Centre
9:55 am - 9:59 am
Serena Martin
Abstract: 303

Conversion Furlow Palatoplasty For Concurrent Hypernasality Correction And Fistula Closure After Primary Cleft Palate Repair
10:00 am - 10:04 am
Brian Blumenauer
Abstract: 304

Current Trends In Surgical Airway Management Of Patients With Robin Sequence
10:05 am - 10:09 am
Alex Rokni
Abstract: 305

Effect Of Scar Contracture And Gravity On Post-Operative Tissue Changes And Speech Outcomes Following Sphincter Pharyngoplasties
10:10 am - 10:14 am
Kazlin Mason
Abstract: 306

Feeding Outcomes After Mandibular Distraction In Patients With Pierre Robin Sequence
10:15 am - 10:19 am
Sara Neimanis
Abstract: 307

Gestational Diabetes And Maternal Metabolic Syndrome Biomarkers Are Associated With Risk Of Orofacial Clefts
10:20 am - 10:24 am
Tiwaporn Maneerattansuporn
Abstract: 308

Identification Of ESRP1 As A Novel IRF6 Target Gene And Determining Its Role In Palate Development
10:25 am - 10:29 am
Shawn Hallett
Abstract: 309

Neural Activity During Single Word Reading: Evaluating Patterns Among Children With iCL/P In Comparison To Unaffected Average And Dyslexic Readers
10:30 am - 10:34 am
Amy Conrad
Abstract: 310

Parent-Reported Outcomes And Barriers To Care Among Children With Cleft Lip And Palate
10:35 am - 10:39 am
Katelyn Bennett
Abstract: 311

Seeing Cleft Lip From A New Angle: Crowdsourcing To Determine Whether Scar Severity Or Lip Angle Matters More To The General Public
10:40 am - 10:44 am
Anne Sescleifer
Abstract: 312

Training Oral Consonants Across Languages: A Single Subject Design Speech Treatment Study Of A Nepali Child With Late Cleft Palate Repair
10:45 am - 10:49 am
Chelsea Sommer
Abstract: 313

Surgical Correction Of Velopharyngeal Insufficiency In Cleft Palate Patients With Reconstruction Of Radical Intravelar Veloplasties (IVVS)
10:50 am - 10:54 am
Hongping Zhu
Abstract: 314
Three-Dimensional Changes In The Pharyngeal Volume Of Skeletal Class III Patients After Orthognathic Surgery: Impact On Speech
10:55 am - 10:59 am
Jamie Perry
Abstract: 315

Reconstruction Of Secondary Skull Defects With Split Calvarial Bone Grafts: Long Term Evaluation Of Outcomes
11:00 am - 11:04 am
Russell Frautschi
Abstract: 316

Requirement Of ALX1 Homeobox Transcription Factor In Craniofacial Development
11:05 am - 11:09 am
Jonathan Pini
Abstract: 317

The Influence Of Occlusal Severity On Velopharyngeal Competence Following Orthognathic Surgery
11:10 am - 11:14 am
Samantha Maliha
Abstract: 318

Microform Cleft Lip: To Treat Or Not To Treat?
11:15 am - 11:19 am
Kyunghoon Chung
Abstract: 319

An Evaluation Of Use Of Cadaveric Costal Cartilage Graft In Cleft Rhinoplasty
11:20 am - 11:24 am
Pejman Alfaki
Abstract: 320

Sleep And Speech Following Surgical Treatment Of Velopharyngeal Insufficiency In Young Adults With Cleft Palate
11:25 am - 11:29 am
Ivy Trindade-Suedam
Abstract: 321

Concurrent Session 19: ASCFS Post-Conference Symposium
Defining Algorithms for Treatment of Craniofacial Dysostosis
9:30 am - 11:30 am - Allegheny III
Chair: Mark Urata
Jeffrey Fearon, Jesse Taylor, Raymond Harshbarger
Abstract: 322
ACPA Supports Patients, Families and Professionals

WHY DONATE?

To Strengthen Patients and Families. ACPA comforts and educates families at vulnerable points in their cleft and craniofacial journeys. ACPA connected with more than 10,000 families and provided personal and emotional support via phone, social media and email in the past year.

To Advance Treatment through Team Care. ACPA advocates for individualized team care to ensure optimal patient outcomes. ACPA encourages patients and families to first consider using the 100+ ACPA Approved Teams for their cleft and craniofacial healthcare needs.

To Enhance Awareness with Education. ACPA is the resource for cleft and craniofacial communities. ACPA supported families by providing 12,250 resources in 2017 and enriched professional development through networking and educational opportunities.

“We were shocked when our son was born with cleft lip and palate. We found your website and the information was so helpful and comforting. I felt empowered to be able to provide and understand the right course of action for him. Thank you for being there when I need you the most.” — A grateful mother

Your gift supports ACPA’s vision to create a world, through team care, where individuals with oral cleft and craniofacial conditions thrive.

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ACPA is a non-profit (501(c)(3)) association of interested individuals and healthcare professionals who treat and/or perform research on oral cleft and craniofacial conditions. ACPA is unique—it is a multidisciplinary organization of over 2,500 members who represent more than 30 disciplines in 60 countries and support patients and families to ensure the best outcomes. ACPA Family Services is backed by the strength of the leading professional association and benefits from the passion of the experts working every day to treat cleft lip and palate and other craniofacial conditions.
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THANK YOU for your continued support as we strive to create a world, through team care, where individuals with cleft and craniofacial conditions THRIVE.

A special thank you to the 75th Anniversary Task Force for its input and guidance leading up to ACPA’s 75th Anniversary.

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Tessa Wichtl
In honor of Jackson
Shelly Smith
In honor of Jacob and Bradley Shimer
Malia Christian
In honor of Jagger Smith
Erin Smith
In honor of James Bowie Frickleton
Amanda Lanceret
In honor of James Mulick
Dianne Altuna*
In honor of Jameson Scott
Joanne Denison and John Beach
In honor of Jarrett Michael McDaniel, Jr.
Carol Dallucco
In honor of Jimmy Jinx
Nancy Baker
In honor of Jordan Thorp
Triangle Elite Allstars
In honor of Karlind T. Moller
Vanguard Foundation
In honor of Kay Schexnayder
Norbert Allemand
In honor of Lily Barefoot
E.M. and Ted Glick
Charles Hill
Jane Hutchinson-Barefoot
Melissa and Anthony Love
In honor of Liz Diller
Joslynne Hupe
In honor of Lucien Sundheimer
Michelle Beckett
Harrison Lodwick
In honor of Marcie Jane Barry
Sandi and Mike Barry
In honor of Mike Nelson
Celia and Howard Spitzer
In honor of Morgan Brachman
Daniel J. Brachman
In honor of Neaveh Trombley
Deborah Trombly
In honor of Noah
Diane Suddes
In honor of Reese Christina Dzingle-Ende
Daniel Corp
In honor of Regan Kathleen O’Neill
Kathryn Chamberlain
In honor of Richie Ortiz
ClefStrong 5k 2017
Jose Ortiz
In honor of Robert Burke
Clayton Burke
Vanguard Matching Gift Program
In honor of Robyn Hughes
Norma Service
In honor of Ruth Dollman-Jersey
Sara Dollman-Jersey
In honor of Ryan Battersby
Abbott Laboratories Employee Giving Matching Gifts
In honor of Ryder Stocking
Mary and Roy Stocking
In honor of Scott and Patricia
Schnitz and Family
Brenda Schultz
In honor of The Higgenson Family
Tracie Loveless
In honor of Vee Janardhan Jagini
Rohit Jagini
In honor of Zack Mayo
Sammy Wilson

In Memory Of
In Memory of Alice Cassidy
Mary Lou Atkinson
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Donna Cafray
Madeline Czerniawski
Michael Hyland
Barbara King
Bernadette Macrino
Antoinette Marsling
Kristine Natale
Edward Ruotolo

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Roger Crockett
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Christine Donovan
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Jack Yu*
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Rosario Mayro*
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Peggy Buchholz*
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Peggy Luebs
In Memory of Jessica A. Consigli
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In Memory of Jose Luis Perez
Christine Amira
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Annette Hinkle
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Eleanor Ochs
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Shawn Owens
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Shawn Sloan
Catherine Wack
In Memory of Mrs. Joyce Mulick
Wendy-Jo Toyama*
In Memory of Naomi Lacey
Jo Arzt*
Anna Barigayomwe*
Marilyn Jones*
In Memory of Rafael Madrigal Rojas
Jane Miller

*ACPA Member
### Statement of Financial Position

#### Assets

**Current Assets**
- Cash and cash equivalents: $603,832
- Accounts receivable: $12,741
- Pledges receivable: $7,352
- Bequest receivable: $344,439
- Other assets: $23,638
- Total current assets: $992,002

**Non-Current Assets**
- Pledge receivable, non-current: $13,000
- Investments: $1,855,139
- Total non-current assets: $1,868,139

**Fixed Assets**
- Building, furniture, equipment, and software: $780,161
- Less: accumulated depreciation/amortization: ($399,549)
- Total fixed assets: $380,612

**Total Assets**: $3,240,753

#### Liabilities and Net Assets

**Current Liabilities**
- Accounts payable: $7,212
- Accrued liabilities: $65,246
- Deferred revenue: $267,131
- Total current liabilities: $339,589

**Net Assets**
- Unrestricted: $1,758,843
- Temporarily restricted:
  - Program purposes: $596,529
  - Accumulated endowment earnings: $203,948
- Permanently restricted: $341,844
- Total net assets: $2,901,164

**Total Liabilities and Net Assets**: $3,240,753

### Statement of Activities

#### Operating Revenues and Other Support

<table>
<thead>
<tr>
<th>Description</th>
<th>Unrestricted</th>
<th>Temporarily Restricted</th>
<th>Permanently Restricted</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Membership dues and fees</td>
<td>$461,051</td>
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<td>$461,051</td>
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<tr>
<td>Annual Meeting</td>
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</tr>
<tr>
<td>• Exhibits</td>
<td>$65,250</td>
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<td>• Commercial support</td>
<td>$21,745</td>
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<td>• Registration</td>
<td>$376,190</td>
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<td>Cleft Palate-Craniofacial Journal</td>
<td>$47,500</td>
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<td>$47,500</td>
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<td>CAT application fees</td>
<td>$26,240</td>
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<td>$26,240</td>
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<tr>
<td>Grants</td>
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<td>$11,000</td>
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<td>Individual Contributions</td>
<td>$1,607</td>
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<td>$1,607</td>
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<tr>
<td>Other Income</td>
<td>$13,858</td>
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<td>$13,858</td>
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<tr>
<td>Net assets released from restriction</td>
<td>$524,081</td>
<td>($524,081)</td>
<td></td>
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</tr>
<tr>
<td><strong>Total operating revenues and support</strong></td>
<td>$1,548,522</td>
<td>($524,081)</td>
<td>$1,024,441</td>
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</tr>
</tbody>
</table>

#### Operating Expenses

**Programs**
- Membership and team services: $272,380
- Annual Meeting: $459,936
- Educational and research initiatives: $42,541
- Cleft Palate-Craniofacial Journal: $78,303
- Outreach and alliances: $50,951
- Team standards: $24,058
- Other program expenses: $10,737
- **Total program expenses**: $918,906

**Fundraising**: $728

**Management and general**: $394,278

**Total operating expenses**: $1,313,912

**Excess (deficiency) of operating revenues and other support over operating expenses**: $234,610 ($524,081) ($289,471)

#### Nonoperating Support and Revenues

**Investment income (loss)**: $54,187

**Change in net assets before effect of acquisition**: $288,797 ($524,081) ($235,284)

**Excess of assets acquired over liabilities assumed in acquisition of The Cleft Palate Foundation**: $62,431 $456,039 $341,844 $860,314

**Changes in Net Assets**: $351,228 ($68,042) $341,844 $625,030

#### Net Assets

**Beginning of year**: $1,407,615 $868,519 $2,276,134

**End of year**: $1,758,843 $800,477 $341,844 $2,901,164
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ACPA’S 76TH ANNUAL MEETING
Tucson, Arizona
Westin La Paloma
April 9-13, 2019

ACPA’S 77TH ANNUAL MEETING
Portland, Oregon
Hilton Portland
March 31-April 4, 2020
Special thank you to Mohammad Mazaheri, MDD, DDS, MSc for his support of the meeting.

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2. Check out at the ACPA Registration Desk when you leave.
3. ASHA only: Return the CE form to the ACPA Registration Desk when you check out.
5. Evaluations must be submitted by May 7, 2018 to earn continuing education credits and receive your certificate.
6. Your certificate will be available to download and print upon completion of your online evaluation.

All evaluations must be completed by May 7, 2018 to receive continuing education credit for ACPA’s 75th Annual Meeting. Credit will not be awarded after that date.