CI2019 Pediatric:
16th Symposium on Cochlear Implants in Children
Treating the Whole Child

PROGRAM BOOK

July 10-13, 2019
Hollywood, FL

Organizers:
American Cochlear Implant Alliance
University of Miami, Department of Otolaryngology/Ear Institute

www.acialliance.org
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facebook.com/acialliance.org
During this past year while working on behalf of the ACI Alliance, I increasingly sensed there are some significant shifts occurring in our space. Some driven from within our specialty and others seeping in from huge familiar tech companies, insurance conglomerates, and our government. Hardly a week passes without having a conversation about single sided deafness in adults and children, use of telemedicine, need for standardization of testing and candidacy determination, and fundamental shifts in how we approach programming and rehabilitation. The members of this organization and participants in the meeting are the people who can, and must, help provide the directions we should go and shape the future landscape.

Improvement in outcomes will be accelerated if we can engage in robust research endeavors. I am optimistic the ACI Alliance can facilitate executing critical valid research projects to answer the important fundamental questions the field needs guidance on. If collectively we can focus our energies we will more quickly and effectively generate science of high value.

The ACI Alliance has been busy this year advancing research, advocacy and awareness, we look forward to sharing accomplishments during the meeting. We have emerged as the trusted collective voice for the multidisciplinary cochlear implant community. Let’s set the direction for the time ahead.

Enjoy your time catching up with old friends and making new ones. Contribute your wisdom, for the benefit of us all, and especially for the patients.

Colin Driscoll, MD
Chair, Board of Directors
About the ACI Alliance

The American Cochlear Implant Alliance is a not-for-profit membership organization created with the purpose of eliminating barriers to cochlear implantation. The ACI Alliance membership spans scientists and clinicians from across the cochlear implant continuum of care including otolaryngologists, audiologists, speech pathologists, psychologists, and others in cochlear implant teams. Parents of children with cochlear implants, adult recipients, and other advocates for access to care are also active members are also active members. Our initiatives include research, advocacy and awareness.

American Cochlear Implant Alliance organizes clinical research meetings utilizing a variety of formats. These annual events always involve considerable collaboration with our membership including individuals and institutions, governmental agencies, for-profit and non-profit companies. Conferences are designed to stimulate learning and thinking about cochlear implants and drive our mission of improving CI care and access to cochlear implantation for people of all ages.
Course Description
The symposium will provide an educational environment which fosters the dissemination of high-quality scientific information applicable to clinicians, scientists, educators and all others involved in the field of cochlear implantation. The symposium will provide attendees with opportunities to explore current and emerging topics that significantly impact on improving outcomes for children with cochlear implants, including the following:
- Expanded indications and management of special needs populations
- Managing bilingual (Spanish-English) patients and families
- Creative solutions to managing a CI program in the current healthcare environment
- Roles of therapy, education, and family engagement in the pediatric CI process
- Advances in CI technology and surgical techniques
- Models of service delivery: What works and what doesn’t?
- Hearing preservation including the measurement of outcomes

Conference Learning Objectives
At the end of this activity, participants will be able to:
- Describe current criteria for CI candidacy
- Review audiological, spoken language, and global outcomes for children with special needs
- Identify the roles of therapy and education and how that relates to family engagement
- Discuss evaluation and management of bilingual patients and how bilingualism impacts the development of auditory and speech, and language skills
- Describe the social and emotional development of children with hearing loss
- Review normal and dysfunctional sound processing in the brain and how this relates to music
- Explain innovative ways of developing and maintaining a multidisciplinary pediatric program
- Relate mechanisms and methods of hearing preservation during cochlear implantation
A WORD OF THANKS

The American Cochlear Implant Alliance wishes to recognize and thank the following companies for their ongoing commercial support:

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Scientific Program Organizing Committee

ACI Alliance and The University of Miami would like to thank the following Abstract Reviewers and Session Moderators for their contributions to the CI2019 Scientific Program.

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David Jung, MD  
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Seema LaGree, AuD  
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Kenneth Lee, MD, PhD  
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University of Iowa

Melissa J.W. Hall, AuD
Clinical Assistant Professor, Speech and Hearing Center
Department of Speech, Language and Hearing Sciences, University of Florida Health

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Vanderbilt University Medical Center

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University of Miami

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Center for Hearing/Colorado Neurological Institute

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Director, Cochlear Implant Center, Stanford Health Care

ACI Alliance State Champions

The State Champion network was established in 2013 as one of the first programs implemented by the newly organized ACI Alliance as a means of harnessing the knowledge and energy of our members throughout the US, and applying this knowledge and energy to advocacy efforts. They represent the full continuum of cochlear implant clinical care and also include CI recipients and parents of children with cochlear implants. We are appreciative of their important contributions in advancing our mission.

ALABAMA
Andi Hill
Parent to Parent Mentor, FIHI, Inc

ARIZONA
Meghan Fenn, AuD
Clinical Audiologist, Arizona Hearing and Balance Division
Nathan Page, MD FAAP
Acting Chief, Phoenix Children’s Hospital

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John Dornhoffer MD
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Clinical Assistant Professor, University of Arkansas
Jordan King AuD
Audiologist, Arkansas Children’s Hospital

CALIFORNIA
Sarah Coulthurst MS
CI Assistant Director, UCSF Benioff Children’s Hospital
Oakland

Margaret Winter MS
Associate Professor of Clinic Otolaryngology, USC

COLORADO
Samuel P. Gubbels MD
Otology & Neurotology Director, UC Health Hearing and Balance Center
David Kelsall MD
Medical Director, Rocky Mountain Ear Center, PC

CONNECTICUT
Elías M. Michaelides MD
Associate Professor, Yale School of Medicine
Megan Narron, AuD
Clinical Audiologist, Yale Hearing and Balance Center
Marion Radeen MS
Teacher of the Hearing Impaired, CREC Soundbridge

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Michael Hoo MD
Assistant Professor, Georgetown University Medical Center

H. Jeffrey Kim MD
Professor, Georgetown University Medical Center

MEREDITH OUELLETTE MS
Director of Clinical Services, The River School

FLORIDA
Ivette Cejas PhD
Director, The Barton G Kids Hear Now, University of Miami Ear Institute
Melissa J.W. Hall AuD
Clinical Assistant Professor, University of Florida
Tina M. Stern, AuD
Assistant Professor, University of Miami, Miller School of Medicine
Julie Verhoff AuD, PhD
Director of Audiology, Joe DiMaggio Children’s Hospital
Meredith Holcomb AuD
Director of Cochlear Implants, Assistant Professor, University of Miami

GEORGIA
Jolie Fainberg MA
Audiologist & Cochlear Implant Program Leader, The Clinic at the Atlanta Speech School

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Donna Sorkin MA, Executive Director
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Nichole Westin MA, Governmental Policy Manager

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Naama Tsach PhD, Blog Coordinator
Samantha Zwolan

American College of Surgeons Conference Staff
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Kate Poetker
Julia Peterson
Diana Shkap
Keesha Vinson

Legal Counsel
Steven R. Reich, Partner
Pease LLP

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Denise Goode
Kate Poetker
Julia Peterson
Diana Shkap
Keesha Vinson
Legal Counsel
Steven R. Reich, Partner
Pease LLP
<table>
<thead>
<tr>
<th>State</th>
<th>Name</th>
<th>Position/Role</th>
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<tbody>
<tr>
<td>Idaho</td>
<td>Lindsay Tucker AuD</td>
<td>Clinical Assistant Professor, Idaho State University</td>
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<td>Idaho</td>
<td>James Crawford, MD</td>
<td>Otolaryngology-Head/Neck Surgery, Idaho Ear Clinic</td>
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<td>Illinois</td>
<td>Denise Thomas AuD</td>
<td>Audiologist, Ann &amp; Robert H. Lurie Children's Hospital of Chicago</td>
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<td>Illinois</td>
<td>R. Mark Wiet MD</td>
<td>Assistant Professor, Rush University Medical Center</td>
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<td>Illinois</td>
<td>Jeffrey Yu MD</td>
<td>Assistant Professor, University of Illinois at Chicago</td>
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<td>Indiana</td>
<td>Michelle A. Barrett RN</td>
<td>AAL, Clinical Validation Denial Specialist, Mayo Clinic</td>
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<td>Indiana</td>
<td>Naomi Horton MS</td>
<td>Executive Director, Hear Indiana</td>
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<td>Iowa</td>
<td>Camille C. Dunn PhD</td>
<td>Director CI Program, University of Iowa</td>
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<td>Iowa</td>
<td>Tanya Van Voorst AuD</td>
<td>Head Pediatric Audiologist, University of Iowa</td>
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<td>Kentucky</td>
<td>Katie Austin AuD</td>
<td>Audiologist, KY Hearing Clinic</td>
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<td>Kentucky</td>
<td>Matthew L. Bush MD, PhD</td>
<td>Vice Chair for Research, University of Kentucky Medical Center</td>
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<td>Kentucky</td>
<td>Shelley Moats, AuD, PASC</td>
<td>Director of Audiology, Little Ears Hearing Center at Open Arms Children's Health</td>
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<td>Louisiana</td>
<td>Moises A. Arriaga MD</td>
<td>Director Otolaryngology/Neurotology, LSU School of Medicine</td>
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<td>Maine</td>
<td>Melissa Graziani AuD</td>
<td>Audiologist, Mercy Hospital/ENT Associates</td>
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<td>Maine</td>
<td>Pamela Dawson, MEd</td>
<td>Executive Director, Hear ME Now</td>
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<td>Maryland</td>
<td>Dawn D. Marsiglia MA</td>
<td>Audiologist, The Listening Center at Johns Hopkins</td>
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<td>Massachusetts</td>
<td>Lisa Adams</td>
<td>Parent Advocate</td>
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<td>Melissa Chaikof</td>
<td>Parent Advocate</td>
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<td>Massachusetts</td>
<td>Theodore Mason MD</td>
<td>Otologist/Neurotologist, Baystate Medical Center</td>
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<td>Michigan</td>
<td>Chelsea A. Conrad AuD</td>
<td>Medical Director, CI Program, Mayo Clinic</td>
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<td>Michigan</td>
<td>Ahavah Cook</td>
<td>Parent Advocate, Ear Suspenders</td>
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<td>Michigan</td>
<td>Amy Olund AuD</td>
<td>Audiologist, Mayo Clinic</td>
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<td>Minnesota</td>
<td>Matt Carlson MD</td>
<td>Medical Director, CI Program, Mayo Clinic</td>
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<td>Minnesota</td>
<td>L. Ashley Grillis AuD</td>
<td>Assistant Professor, University of Minnesota Medical Center</td>
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<td>Victoria B. Gonzalez AuD</td>
<td>Chief, Division of Audiology, University of Minnesota Medical Center</td>
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<td>Missouri</td>
<td>Craig Buchman MD</td>
<td>Lindburg Professor and Chair, Washington University in St. Louis</td>
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<td>Missouri</td>
<td>Kristen Lewis AuD</td>
<td>Director of Clinical Services, Midwest Ear Institute</td>
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<td>Montana</td>
<td>Catherine Drescher AuD</td>
<td>Director of The Hearing Center, Rocky Mountain ENT</td>
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<td>New Hampshire</td>
<td>Barbara Mellert</td>
<td>Parent Advocate</td>
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<tr>
<td>New Jersey</td>
<td>Kayley Mayer MAT</td>
<td>Teacher of the Deaf, Mountain Lakes Sound Start Early Intervention Program</td>
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<td>New Jersey</td>
<td>Laura McKirdy PhD</td>
<td>Trustee and Co-Founder, The Lake Drive Foundation</td>
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<td>New Mexico</td>
<td>Seema Katiyar LaGree AuD</td>
<td>Executive Director, Presbyterian Ear Institute</td>
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<td>New York</td>
<td>Maura Cosetti MD</td>
<td>Director CI Center, NYEE</td>
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<td>New York</td>
<td>Elizabeth Rozenzweig MS, LSLS Cert. AVT</td>
<td>Listening and Spoken Language Specialist, Auditory Verbal Therapy</td>
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<tr>
<td>New York</td>
<td>Katrina Stidham MD</td>
<td>Chief of Neurotology and Director, CI Program, Westchester Medical Center</td>
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<tr>
<td>North Carolina</td>
<td>Melissa Ackuter, AuD</td>
<td>CCC-A, Pediatric Audiologist, Children's Cochlear Implant Center at UNC</td>
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<tr>
<td>North Carolina</td>
<td>Erin L. Blackburn AuD</td>
<td>Director CI Program, Duke University Health Systems</td>
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<tr>
<td>North Dakota</td>
<td>Jerrica L. Maxson AuD</td>
<td>Audiologist, Trinity Health Center West</td>
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<tr>
<td>Ohio</td>
<td>Samantha Anne, MD</td>
<td>Assistant Professor of Surgery, Cleveland Clinic</td>
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<tr>
<td>Ohio</td>
<td>Lisa Houston AuD</td>
<td>Audiologist, UC Health</td>
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<tr>
<td>Ohio</td>
<td>Anita Jayakumar, MD</td>
<td>MS, Director of Pediatric Otolaryngology, Akron Children's Hospital</td>
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<td>Ohio</td>
<td>Prashant S. Malhotra MD</td>
<td>Director Hearing Program, Nationwide Children's Hospital</td>
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<td>Ohio</td>
<td>Sarah Mowry MD</td>
<td>Residency Program Director, University Hospitals Cleveland Medical Center</td>
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<td>Oklahoma</td>
<td>Elizabeth Musgrave AuD</td>
<td>Audiologist, Hearts for Hearing</td>
</tr>
<tr>
<td>Oregon</td>
<td>Claire Leake MS</td>
<td>Speech Language Pathologist, Tucker Maxon School</td>
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<tr>
<td>Pennsylvania</td>
<td>Estelle Goldsmith, MEd</td>
<td>Educational Consultant, The Children's Hospital of Philadelphia</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Jamie Guinan, AuD</td>
<td>Audiologist, University of Pennsylvania Health System</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Carmen Hayman AuD</td>
<td>Coordinator CI Program, Children's Hospital of Philadelphia</td>
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<tr>
<td>Rhode Island</td>
<td>Kerri Hicks</td>
<td>Parent Advocate</td>
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<tr>
<td>Rhode Island</td>
<td>Richard Reed</td>
<td>HLAA Certified Hearing Loss Specialist and Musician</td>
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<td>South Carolina</td>
<td>Jason P. Wigand AuD</td>
<td>Assistant Professor and Clinical Director, University of South Carolina</td>
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<td>Director Auditory Brainstem and CI Program, UC Health</td>
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<td>Partner Vorys, Sater, Seymour and Pease LLP</td>
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<td>Lee Rech</td>
<td>Parent Advocate</td>
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<td>Texas</td>
<td>Melissa Sweeney MS</td>
<td>CI Program Manager, Callier, The University of Texas at Dallas</td>
</tr>
<tr>
<td>Texas</td>
<td>Andrea Warner-Czyz PhD</td>
<td>Associate Professor, UT Dallas</td>
</tr>
</tbody>
</table>
Margaret Sicotte AuD
Audiologist, Fletcher Allen Otolaryngology

VIRGINIA
Stephanie Moody Antonio MD
Otolologist/Neurotologist, Eastern VA Medical School

Lori L. Bobsin, PhD
Coordinator, University of Virginia Cochlear Implant Team

Daniel H. Coelho MD
G. Douglas Hayden Professor, Virginia Commonwealth University

Debbie Hatch AuD
CI Program Coordinator, Eastern VA Medical School, Hearing & Balance Center

Julia Reid, AuD
Pediatric and Educational Audiologist, Chattering Children/The River School

UTAH
Lauri H. Nelson, PhD
Associate Professor / Deaf Education Division Chair, Utah State University

Kim Niday, MA, MED
Pediatric Audiologist, Primary Children’s Hospital

Cache Pitt AuD
Clinical Assistant Professor, Audiology, Utah State University

VERMONT
Linda Hazard EdD
Program Director Vermont Early Hearing Detection and Intervention Program

Alina Mills MS, LSLS Cert. AVEd.
Speech-Language Pathologist & Auditory Verbal Educator, Catamount Speech & Language Service

WASHINGTON
Erin Christianson PhD
Research Audiologist, Seattle Children’s Hospital

Susan Norton PhD
Chief of Audiology Programs and Research, Seattle Children’s Hospital

Wendy Parkinson MA
Research Coordinator and Operations Manager, University of Washington

Daniel Zeitzer MD
Otolist/Neurotologist, Virginia Mason Medical Center

WISCONSIN
Jamie Jensen AuD
Audiologist, Koss Cochlear Implant Program

ACI Alliance Organizational Membership

We are grateful to the CI centers, clinics and schools that are supporting ACI Alliance and expanding access to CI care as Organizational Members. All staff at member institutions are considered part of the Organizational Membership and are part of the directory, and 10 individuals from each institution may attend the annual CI conference at the member rate. Member institutions are featured in “Find a CI Clinic” on the website. For a limited time, institutions with three or more individual professional members may convert to an organizational membership at a significant discount. Contact Jessica Houk, jhouk@acialliance.org for details.
CI2019 Student Scholarships

The CI2019 Scholarship Selection Committee selected 23 outstanding individuals to receive scholarships to attend the Pediatric Symposium. We had a very strong set of applicants and the decision-making was difficult. These scholars have distinguished themselves through their commitment to cochlear implant clinical care and research. ACI Alliance is pleased not only to support 23 students who may one day contribute to our field but also that they were widely representative of the disciplines involved in cochlear implantation in children. Awardees include individuals from audiology, speech pathology, otolaryngology, and engineering. The group represents universities from around the country.

Entrants in the Student Poster Competition are denoted with an *asterisk.

CI2019 SCHOLARSHIP Awardees

Katelyn Berg*, Vanderbilt University, AuD/PhD in Hearing and Speech
Emily Janae Camacho*, Washington University in St. Louis School of Medicine, AuD
Steven Carter*, Vanderbilt University, AuD
Nicole M. Day, University of South Florida, AuD
Nicholas L. Deep, NYU Langone Health, MD, Fellowship in Neurotology
Nichole Dwyer*, Vanderbilt University, AuD
Stephanie Fowler*, University of Texas at Dallas, AuD/PhD in Communication Disorders
Danielle Gillard*, University of California, San Diego School of Medicine, MD, MAS Clinical Research
Fatma Hassaneen*, Long Island University, Brooklyn Campus, MA, Speech Language Pathology
Jordun Holder, Vanderbilt, PhD in Hearing and Speech
Kaylene King*, University of North Carolina at Chapel Hill, AuD
Alissa Knickerbocker, Arizona State University, AuD
Claire Letendre*, Northwestern University, AuD
Kathryn Marsh, University of Florida, PhD in School Psychology
Kelli McGuire, University of Cincinnati, AuD/PhD in Communication Sciences and Disorders
Brittney Medina, University of Washington, AuD
Colleen O’Brien, Long Island Doctor of Audiology Consortium (St. John’s University home school), AuD
Arun Manakal Raghavan, University of Cincinnati, MD
Elaine Smolen*, Teachers College, Columbia University, PhD in Deaf and Hard of Hearing Education
Kira Sullivan, University of South Florida, AuD
Gabrielle S. Watson*, Oregon Health Sciences University, AuD
Alexandra Watts, University of Iowa, AuD
Kathryn Wiseman, University of Texas at Dallas, PhD in Brain and Behavioral Sciences

CI2019 STUDENT SCHOLARSHIP SELECTION COMMITTEE

We are grateful to the Scholarship Committee for their service.

Sigrid Cerf BA
Brandi Griffin, AuD
Debbie Hatch, AuD, CCC-A
Meredith Ouellette, MS SLP
Melissa H. Sweeney, MS, CCC-SLP, LSLS Cert. AVT

CI2019 STUDENT POSTER COMPETITION JUDGES

ACI Alliance would like to thank the judges of the student poster competition.

Entrants in the Student Poster Competition are denoted with an *asterisk in the Student Scholarship Listing above and the Poster Listing on page 29.

Christine Dinh, MD
Adrien Eshraghi, MD
Michael Hoa, MD (Sub-Chair)
Sarah Mowry, MD
Meredith Ouellette, MS
Lisa Park, AuD (Sub-Chair)
Melissa Sweeney, MS, LSLS Cert. AVT
Denise Thomas, AuD
Naama Tsach, PhD (Sub-Chair)

General Conference Information

REGISTRATION LOCATION AND HOURS

Registration is located in the Great Hall Foyer at the Diplomat Beach Resort. Registration will be open for advance and onsite registrations, as well as any attendee issues during the following hours:

Wednesday, July 10: 10:00 AM – 7:00 PM
Thursday, July 11: 6:30 AM – 5:30 PM
Friday, July 12: 7:00 AM – 5:30 PM
Saturday, July 13: 7:00 AM – 2:00 PM

EDUCATIONAL SESSIONS AND POSTER PRESENTATIONS

All educational sessions will be held at the Diplomat Beach Resort. General Sessions will be held in the Great Hall 1-3 on the third level of the Convention Center. Concurrent Sessions will be held in the following rooms:

Great Hall 1-3  Third Level
Regency Ballroom  Second Level
Atlantic Ballroom  Second Level

Poster abstracts will be on display in the Exhibit Hall, Great Hall 4-6, from Thursday, July 11 – Friday, July 12. Join ACI Alliance Members, colleagues, and friends for refreshments during the Poster Session, Thursday, July 11 from 4:15 – 5:30 PM. Please see page 29 for the complete poster listing.

INDUSTRY SUPPORT DISPLAYS

A commercial display of scientific interest will be available during the meeting, providing attendees with an opportunity to view products and services from various corporations. We invite you to visit our exhibitors in the Great Hall 4-6 during the following hours:

Thursday, July 11: 8:30 AM to 7:00 PM
Friday, July 12: 8:30 AM to 5:30 PM
Refreshments will be served in Great Hall 4-6.

SATELLITE SYMPOSIA

The following Corporate Satellite Symposia are organized separately by each individual sponsor. The commercially supported symposia are independent of the scientific program of the CI2019 Pediatric Symposium and are not accredited for CME. CEUs (AAA, ASHA, AG Bell) are provided for all Corporate Satellite Symposia.
**MEALS**

All meals/breaks included with your registration fee will be served in the exhibit hall.

**WEDNESDAY, JULY 10**

1:00 PM - 2:15 PM
Satellite Symposium - Advanced Bionics
Powerful Connections
2:45 PM - 4:00 PM
Satellite Symposium - Cochlear Americas
Scientific Symposium
4:30 PM - 5:45 PM
Satellite Symposium - MED-EL
It’s Never Been Easier

**All events in Regency Ballroom**

**THURSDAY, JULY 11**

Satellite Symposium – MED-EL
Safety and Security
Great Hall 1-3
7:30 AM – 8:30 AM

**FRIDAY, JULY 12**

Satellite Symposium – Cochlear Americas
Innovation Symposium
Great Hall 1-3
7:30 AM – 8:30 AM

**SATURDAY, JULY 13**

Satellite Symposium – Advanced Bionics
HiRes Ultra 3D and the MRI Experience
Great Hall 1-3
7:30 AM – 8:30 AM

**SPEAKER READY ROOM**

Please note that a networked presentation management system is being used for this meeting, so it is essential that all presentations are received in the Speaker Ready Room no later than 4 hours prior to the presentation. Speakers who have already submitted presentations via the advance submission website are advised to please verify the integrity of their presentations in the Speaker Ready Room. It is imperative that presentations created on a Macintosh or that contain video be reviewed. The Speaker Ready Room is also available for editing previously submitted presentations.

The Speaker Ready Room is located in Room 215 on the second floor of the Diplomat Beach Resort.

**HOURS OF OPERATION:**

Wednesday, July 10: 10:00 AM – 7:00 PM
Thursday, July 11: 6:30 AM – 5:30 PM
Friday, July 12: 7:00 AM – 5:30 PM
Saturday, July 13: 7:00 AM – 2:00 PM

**BREAKFAST:**

A continental breakfast will be provided during the Sponsor Symposium on Thursday, Friday and Saturday mornings from 7:30 AM - 8:30 AM in Great Hall 1-3. If you choose not to attend a Sponsor Symposium, breakfast will be on your own.

**LUNCH:**

Boxed lunches will be provided in the Exhibit Hall from 11:40 AM - 12:40 PM on Thursday and 12:00 – 1:00 PM on Friday. Lunch will not be provided on Saturday – please see the Dining guide in the back of this program book for a list of nearby options.

**MEALS**

All meals/breaks included with your registration fee will be served in the exhibit hall.

**WIRELESS INTERNET ACCESS**

We are pleased to offer complimentary wireless internet for conference attendees in the meeting space. To access the wireless, use the network details below.

Network Name: ACIA2019
Password: ACIA2019

**CONFERENC MOBILE APP**

Stay up to date with everything happening at CI2019 Pediatric by downloading the ACI Alliance Mobile App! Downloading the app is easy! Visit www.core-apps.com/dl/acialliance_events to be directed to the proper download version for your device.

**AUDIENCE RESPONSE – POLL EVERYWHERE**

Various Sessions will utilize Audience Response technology to conduct interactive polling. You may access the Poll Everywhere system through a variety of methods. When accessing the poll via the Web or SMS Text (options 2 and 3), reference the grid to for the URL and SMS code for each session room.

**POLL EVERYWHERE ACCESS OPTIONS:**

1. **Mobile App:** Download the ACI Alliance Mobile App! Downloading the app is easy! Visit www.core-apps.com/dl/acialliance_events to be directed to the proper download version for your device.

2. **Web:** Access the poll at on any web browser using the specific URLs below.

3. **SMS Text:** Text the appropriate SMS Room Code to “22333” to join the session and participate. Standard messaging rates apply. This phone number is for the US only; attendees with International cellular carriers should use the App or Web option to participate.

<table>
<thead>
<tr>
<th>SESSION ROOM</th>
<th>WEB URLs</th>
<th>SMS ROOM CODE</th>
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<tbody>
<tr>
<td>Great Hall– All</td>
<td>PollEv.com/greathall</td>
<td>GREATHALL</td>
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<tr>
<td>General Sessions</td>
<td>PollEv.com/atlantic</td>
<td>ATLANTIC</td>
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<tr>
<td>Atlantic Ballroom</td>
<td>PollEv.com/atlantic</td>
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<tr>
<td>Regency Ballroom</td>
<td>PollEv.com/regency</td>
<td>REGENCY</td>
</tr>
</tbody>
</table>

**ANNOUNCEMENTS**

We are pleased to offer attendees the opportunity to post announcements on the designated poster board located in the Great Hall Foyer.

Follow @acialliance on Twitter for updates and information about #CI2019Miami.
LOST AND FOUND
Lost and found is located at the Registration Desk in the Great Hall Foyer. After the meeting, any unclaimed items will be turned in to hotel security.

NURSING MOTHERS ROOM
A Nursing Mothers Room is available behind the front desk on the lobby level of The Diplomat. Please visit the front desk for access to the room.

EMERGENCY INFORMATION
REMAIN IN PLACE unless there is an immediate danger. Listen to audible message for further instructions. In case of evacuation, proceed to nearest stairwell and exit on ground level. Follow instructions posted on guest room door. Gathering location: Diplomat Landing located directly across from Hotel. Pick up any guest phone or house phone and dial 28888 to be connected with our 24 hour security dispatch emergency center or dial 911. If the hotel receives an emergency phone call for an attendee or exhibitor, the hotel will direct the call to the attendee’s guest room. If the attendee is not located in his or her guest room, the hotel will contact the headquarters office, and a message will be posted on the message board. The hotel will also inform the Hotel contact and ACS Conference Management.

BUSINESS CENTER
The Business Center is located on the 2nd floor in the Hotel’s South Tower.

SHIPPING AND PACKAGES
All shipments received and shipped by the hotel will incur a standard per-piece handling charge based on weight.

HOURS OF OPERATION:
Weekdays: 7:00 AM - 7:00 PM
Saturday: 8:00 AM - 4:00 PM
Sunday: 10:00 AM - 4:00 PM
The self-service print area is accessible 24x7.

Contact:
In-house extension: 6578
Direct Number: 954.458.6578

CONFERENCE MANAGEMENT

by the AMERICAN COLLEGE of SURGEONS

Association Management Services
c/o American College of Surgeons
633 N. Saint Clair St.
Chicago, IL 60611-3211

Representatives from ACS will be present at the conference and will be wearing recognizable identification. Please feel free to approach them at any time with questions, comments, concerns, or if you require additional assistance of any kind.

DISCLAIMER
Attendees voluntarily assume all risks involved in travel to and from CI2019 Pediatric and in attendance of and participation in the program. ACI Alliance and Association Management by ACS shall not be liable for any loss, injury, or damage to person or property resulting directly or indirectly from any acts of God, acts of government or other authorities, civil disturbances, acts of terrorism, riots, thefts, or from any other similar causes.

CONFERENCE PROCEEDINGS
We are grateful to Otology & Neurotology for their commitment to publish Proceedings of the CI2019 Pediatric Symposium. These will be published in free, electronic (open access) format and will be available in early 2020.

COMMUNICATION ACCESS
The entire conference will be accessible for individuals with hearing loss. Every session will offer real-time captioning by experienced CART reporters who have worked with our CI conference in the past. In addition to live captioning in the meeting rooms, you may also access full screen captioning via the CapApp. To access CapApp, download the ACI Alliance Mobile App to your device and select the session you are attending. Click the “CapApp” button within that session, and you will see the full running captioning on your device.

SPANISH LANGUAGE CAPTIONING TRANSLATION
When using the CapApp, you may also select ‘Spanish’ from the options menu to receive a Spanish language streaming translation of the captioned content. See “Communication Access” for instructions on accessing the CapApp

CONSENT TO USE OF IMAGES
Please note that attending, or participating in, any CI2019 Pediatric activity constitutes as consent to use and distribute any photographs or video taken by or on behalf of ACI Alliance for informational, publicity, promotional, website and/or reporting purposes in print, digital, or other format without notice or compensation.

CONFERENCE PROCEEDINGS
CONTINUING EDUCATION CREDITS FOR AAA MEMBERS

ACI Alliance is approved by the American Academy of Audiology to offer Academy CEUs for this activity. The program is worth a maximum of 2.40 CEUs / 1.40 Tier 1 CEUs. (CI2019 Pediatric Total: 2.15 CEUs, Spanish Language Symposium Total: 0.25 CEUs.)

Continued education approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures. Any views that are presented are those of the presenter/CE provider and not necessarily of the Academy of Audiology.

CONTINUING EDUCATION CREDITS FOR ASHA MEMBERS

This course is offered for up to 2.40 ASHA CEUs (Advanced Level, Professional Area). (CI2019 Pediatric Total: 2.15 CEUs, Spanish Language Symposium Total: 0.25 CEUs.)

CONTINUING EDUCATION CREDITS FOR AG BELL

This program has been approved by the AG Bell Academy of Listening and Spoken Language to offer up to 24.0 LSLS CEUs. (CI2019 Program total: 21.50 LSLS CEUs, Spanish language symposium total: 2.50 LSLS CEUs.)

Please complete your Academy CEU Request Form and bring it to the CE desk to be signed prior to leaving the conference.

CONTINUING EDUCATION INFORMATION

If you wish to receive Continuing Education credits for CI2019 Pediatric educational sessions, please visit the Continuing Education Desk located in the Great Hall Lobby. The Continuing Education Desk will be open during Registration Hours (see page 9).

Conference staff will provide you with the necessary paperwork for you to complete in order to obtain continuing education credits. Please return your completed forms at the end of the conference. Credits will not be processed without completed paperwork. To obtain credit for sessions attended, please be sure and record the CE Code that is presented at the end of each session.

A Certificate of Attendance or CME Certificate will be emailed to you by August 30, 2019. Your certificate will confirm your CE Credits for the professional association(s) that you indicated, if allowed by said organization. Please note that each association’s guidelines for acceptance of conference credit hours may differ, and you should consult the appropriate professional association for CE verification. If you have any questions, please contact Jessica Houk at jhouk@acialliance.org.

DISCLOSURE INFORMATION:

In compliance with the ACCME Accreditation Criteria, the American College of Surgeons must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation. Please see the CI2019 Mobile App for the complete disclosure list.
On behalf of the University of Miami Miller School of Medicine and the department of otolaryngology and its divisions, we would like to thank you for attending 16th Symposium on Cochlear Implants in Children.

We are honored to organize this multidisciplinary conference, which unifies all health care providers and educators in the effort to further cochlear implant research and clinical practice.

The University of Miami Ear Institute would like to recognize Dr. Thomas Balkany and Dr. Annelle Hodges for founding our Cochlear Implant Program almost 30 years ago. As pioneers in the field, they took on the early challenges of CI acceptance, while shepherding more than 1500 patients through the implantation process. Their dedication to moving the field forward and educating the next generation of professionals from around the world helped to improve outcomes for cochlear implant recipients.

From the University of Miami’s Ear Institute, we thank you for all your invaluable contributions.
Anticipated session topics at CI2020 International include SSD Surgery and Device, Intelligent Mapping in Expanded Indication Subjects, EAS in Adults, Beyond Speech Perception, (Re)habilitation and Education Strategies, Increasing CI Market Penetration and much more!

**ABSTRACT SUBMISSIONS FOR CI2020 PODIUM AND POSTER PRESENTATIONS TO OPEN IN SUMMER 2019.**

**REGISTRATION OPENS LATE SEPTEMBER 2019.**
WELCOME
Colin Driscoll MD, Chair, Board of Directors, American Cochlear Implant Alliance

MODERATOR
Donna Sorkin MA, Executive Director, American Cochlear Implant Alliance

HOW FEDERAL LAWS SUPPORT PARENT CHOICE
Karl White PhD, Director, National Center for Hearing Assessment and Management

ROLE OF ACI ALLIANCE STATE CHAMPIONS IN PRESERVING PARENT CHOICE
Nichole Westin MA, Governmental Affairs Manager, American Cochlear Implant Alliance

WHAT WE HAVE LEARNED FROM STATE LEADERS WORKING TO PRESERVE PARENT CHOICE
- Denise Thomas AuD / State Champion from IL
- Lori Bobsin PhD / State Champion from VA
- Jason Wigand AuD / State Champion from SC
- Naomi Horton MS / State Champion from IN
- Kali Markle AuD / State Champions from UT
- Katrina Stidham MD / State Champion from NY

AUDIENCE QUESTIONS AND COMMENTS / WHERE DO WE GO FROM HERE?

Learner Objectives:
Upon completion of this session, participants will be able to:
- Review how federal education and early intervention laws support provision of comprehensive information and decision-making by parents
- Explain why state LEAD-K laws may interfere with parent choice
- Suggest how to carry out effective state initiatives involving parents, adult consumers, clinicians and educators to support the rights of parents to choose technology options, services, and communication modality for their deaf or hard of hearing children
Opening and John Niparko Memorial Lecture

Thursday, July 11 / 8:40 - 9:40 AM
Location: Great Hall 1-3

WELCOME
Colin Driscoll MD, Chair, ACI Alliance Board of Directors
- Our Challenge to Lead
Donna Sorkin MA, Executive Director, ACI Alliance
- Special Conference Elements
- Presentation of: Lifetime Achievement Award for Service to Families and Professionals
  Karl White PhD, Director, National Center for Hearing Assessment and Management, Utah State University

WELCOME AND PROGRAM OVERVIEW FROM THE UNIVERSITY OF MIAMI
Ivette Cejas PhD, Scientific Co-Chair
Fred Telischi MD, Scientific Co-Chair
Recipient Welcome

JOHN NIPARKO MEMORIAL LECTURE
To recognize Dr. John K. Niparko’s enduring commitment to cochlear implant research and clinical care and honor his significant contributions to the field, ACI Alliance established a lectureship to be given at the annual CI Symposium by a distinguished scientist or clinician.

HISTORY OF THE LECTURE:
Colin Driscoll MD

INTRODUCTION OF LECTURER:
Ivette Cejas PhD

JOHN NIPARKO MEMORIAL LECTURE:
Sound Processing in Healthy and Hurting Brain: What Have We Learned from Music and Concussion?
Nina Kraus PhD
Professor of Neurobiology, Otolaryngology; Hugh Knowles Chair / Department of Communication Sciences and Disorders, Northwestern University

ACI Alliance recognizes and thanks the following individuals for their generous support of the lectureship:

**Patron ($1500+)**
Lilly Endowment, Inc.
Angela Niparko

**Leader ($250-$500)**
- Catherine Birman
- Brian Dunham
- Amy McConkey Robbins and N. Clay Robbins
- Donna Sorkin and Greg Barry
- Holly Teagle

**Partner ($100-$249)**
- Carnile Dunn
- Ann Geers
- Ginger Grant
- Kenneth Lee
- Alexandra Quittner
- Kathryn Ritter
- Christina Runge
- Charles Yates

**Friend (up to $99)**
- Jane Opie
- Elizabeth Hlavek
- Lisa Park
What is ACI Alliance Doing to Advance CI Access?

Last Year’s Successes and Next Year’s Plans

Friday, July 12 / 8:40 - 9:25 AM
Location: Great Hall 1-3
Open to All Conference Attendees

MODERATOR:
Colin Driscoll MD, Chair, ACI Alliance Board of Directors
• Welcome
• Introduction of Board Members

BOARD NOMINATIONS
• Camille Dunn PhD, Nominations Chair, ACI Alliance Board of Directors
• Nominations Committee: John Dornhoffer, Colin Driscoll, Melissa Weaver Hall, Lindsay Zombek
• Recognition of Board Members who have completed their service: David Haynes, Amy McConkey Robbins

The membership will vote on the election of one individual as a new Board Member for the term 2019-2021 and the election of a new Board Chair for a one-year term from 2019-2020.

SLATE FOR NOMINATION
Amy Birath AuD, CCC-A/SLP, LSLS Cert. AVEd – 2019-2021 Term

CHAIR OF THE BOARD
Meredith Holcomb AuD – 2019-2020 Term

Top Ten Accomplishments and Future Plans / How can you be involved?
A panel of board members and others
1. Website Enhancement
2. 101 Organizational Members: Why does that matter?
3. Expansion of State Champion Network
4. Medicaid Coverage/Payment
5. Greater Involvement/Recognition of CI within General Disability Community
6. Increase in Connection to Primary Care
7. Clinical Practice Guidelines for Adults and Children
8. Parent Choice Coalition
9. Development of New Cochlear Implant Quality of Life Instruments for Adults (Ted R. McRackan MD MSCR)
10. Societal Costs of Severe-Profound Hearing Loss (Alexandra Quittner)

PLANS FOR CI2020 INTERNATIONAL:
MARCH 19-21, 2020 / ORLANDO, FL
Kevin D. Brown MD, PhD; Margaret Dillion AuD; Harold C. Pillsbury MD

CI2019 Keynote Lectures

S4-1: EMOTIONAL COMPETENCE AND ITS EFFECT ON SOCIAL FUNCTIONING IN CHILDREN WITH COCHLEAR IMPLANTS
Friday, July 12
9:30 – 10:00 AM
Great Hall 1-3
Carolien Rieffe, PhD will deliver Friday’s Keynote address on “Emotional Competence and its Effect on Social Functioning in Children with Cochlear Implants.”
Dr. Rieffe joins us from Leiden University in The Netherlands.

S9-1: WHAT THEY HEAR AND WHAT THEY SAY: LANGUAGE LEARNING IN A BILINGUAL CONTEXT
Saturday, July 13
8:40 – 9:10 AM
Great Hall 1-3
Elizabeth Peña, PhD will deliver Saturday’s Keynote Lecture on “What They Hear and What They Say: Language Learning in a Bilingual Context.”
Dr. Peña is a Professor in the School of Education at UC Irvine.
ACI Alliance on Doctor Radio during CI2019

The American Cochlear Implant Alliance will be featured on Doctor Radio, a Sirius XM Broadcast powered by NYU Langone Medical Center.

The program will be broadcast live on Friday, July 12 from 2:00 - 4:00 PM onsite at the Diplomat Beach Resort. Tune in to SiriusXM channel 110 to listen. It will be re-broadcast on Wednesday, July 17 from 12:00 - 2:00 PM EST and will be available on Sirius XM On Demand for up to 30 days after it airs. Please note that SiriusXM requires a subscription.

The broadcast will be moderated by Sean McMenomy MD and William Shapiro, AuD and will feature ACI Alliance leaders and members discussing current topics in cochlear implants.

https://www.siriusxm.com/doctorradio

ACI Alliance would like to acknowledge NYU Langone Health Department of Otolaryngology for sponsoring this broadcast.

CI2019 Post-Conference Symposia

Saturday, July 13, 2019
The Diplomat Beach Resort

SPANISH LANGUAGE SYMPOSIUM AND RECEPTION

1:30 - 5:00 pm
Location: Atlantic 2-3

Leading clinicians and researchers from Latin America and the United States will come together to provide a global perspective on managing the whole child from a multi-disciplinary perspective. Complex pediatric cases and advanced program strategies will be considered. This post-conference segment will be given entirely in Spanish language with no English translation. CEU credits are available.

There is a small additional cost ($25) to attend for registered CI2019 Attendees. Sign up to attend at the Registration Desk.

Support for this event is provided by Advanced Bionics.

CHINESE LANGUAGE SYMPOSIUM AND RECEPTION

1:30 - 5:00 pm
Location: Room 204

This symposium involves clinicians from China, the US, and Asian/Pacific areas to discuss perspectives on managing the patients with CI in a multi-disciplinary team approach. This post-conference segment will be given entirely in Chinese language with English slides.

There will is a small additional cost ($25) to attend for registered CI2019 Attendees. Sign up to attend at the Registration Desk.

Support for this event is provided by Shanghai Chonglin Medical Instruments Co. Ltd.
## Conference Schedule

*Denotes session offered for Tier 1 CEUs.

<table>
<thead>
<tr>
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<tr>
<td>1:00 PM - 2:15 PM</td>
<td>IND-1</td>
<td>Industry Satellite Symposium: Advanced Bionics*</td>
<td>Regency</td>
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<td>2:45 PM - 4:00 PM</td>
<td>IND-2</td>
<td>Industry Satellite Symposium: Cochlear Americas*</td>
<td>Regency</td>
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<td>4:30 PM - 5:45 PM</td>
<td>IND-3</td>
<td>Industry Satellite Symposium: MED-EL*</td>
<td>Regency</td>
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<td>6:00 PM - 7:00 PM</td>
<td>PCS</td>
<td>Parent Choice Symposium</td>
<td>Atlantic 2-3</td>
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<td><strong>THURSDAY, JULY 11, 2019</strong></td>
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<tr>
<td>7:30 AM - 8:30 AM</td>
<td>IND-4</td>
<td>Industry Satellite Symposium with Breakfast: MED-EL*</td>
<td>Great Hall 1-3</td>
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<td>8:40 AM - 9:10 AM</td>
<td>ACIA-1</td>
<td>Welcome and Opening</td>
<td>Great Hall 1-3</td>
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<tr>
<td>9:10 AM - 9:40 AM</td>
<td>ACIA-2</td>
<td>John Niparko Memorial Lecture: Sound Processing in Healthy and Hurting Brain: What Have We Learned from Music and Concussion?</td>
<td>Nina Kraus, PhD</td>
<td>Great Hall 1-3</td>
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<tr>
<td>9:40 AM - 10:10 AM</td>
<td>COF-1</td>
<td>Coffee Break with Exhibitors</td>
<td>Great Hall 4-6</td>
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<tr>
<td>10:10 AM - 11:40 AM</td>
<td>S1-1</td>
<td>Beyond the CI: The Role of Therapy, Education and Family Engagement</td>
<td>Great Hall 1-3</td>
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<td><strong>Chairs:</strong> Ivette Cejas, PhD; Nancy Mellon, MS</td>
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<tr>
<td>10:10 AM - 10:20 AM</td>
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<td>Family Engagement in Cochlear Implant Therapy and Education: Promoting Resilience for Children Experiencing Adversity</td>
<td>Jenna Voss, PhD, CED, LSLS Cert. AVEd.</td>
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<tr>
<td>10:20 AM - 10:30 AM</td>
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<td>Parents’ Engagement in a Cochlear Implant Orientation Program</td>
<td>Bruna Youssef</td>
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<td>10:30 AM - 10:40 AM</td>
<td></td>
<td>Getting the Word Out: Raising Awareness of Opportunities for Today’s Children With Hearing Loss</td>
<td>Teresa Caraway, PhD</td>
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<td>10:40 AM - 10:50 AM</td>
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<td>Cochlear Implants and Lack of Follow-Up: An Ethical Dilemma</td>
<td>Maria Leno, AuD</td>
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<td>10:50 AM - 11:00 AM</td>
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<td>Family Input to Program Development and Improvement</td>
<td>Joni Alberg, PhD</td>
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<tr>
<td>11:00 AM - 11:10 AM</td>
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<td>Exploring the Identities of Hearing Parents Who Chose Cochlear Implantation for their Children with Hearing Loss</td>
<td>Brittan Barker, PhD</td>
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<td>11:20 AM - 11:40 AM</td>
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<td>Panel Discussion</td>
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<tr>
<td>10:10 AM - 11:40 AM</td>
<td>S1-2</td>
<td>Variability of CI Outcomes: Is it Device, Mapping or Cognition?*</td>
<td>Atlantic</td>
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<tr>
<td><strong>Chairs:</strong> David Landsberger, PhD; Mario Svirsky, PhD</td>
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<td>10:10 AM - 10:20 AM</td>
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<td>A Novel Approach for Electrical Stimulation of the Cochlear Apex</td>
<td>David Landsberger, PhD</td>
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<td>10:20 AM - 10:30 AM</td>
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<td>Auditory Frequency Mismatch in Postlingually Deaf Patients: A Gradual Approach to Facilitate Adaptation</td>
<td>Mario Svirsky, PhD</td>
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<td>10:30 AM - 10:40 AM</td>
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<td>Neuromodulation Enhances Plasticity in a Rodent Model of Cochlear Implant Use</td>
<td>Erin Glennon</td>
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<td>10:40 AM - 10:50 AM</td>
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<td>Central Auditory Processing Predicts Variance in Speech in Noise Performance: Importance of Preserving Low Frequency Acoustic Hearing</td>
<td>Bruce Gantz, MD</td>
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<td>10:50 AM - 11:00 AM</td>
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<td>Assessment of Frequency-Place Mismatch by Flat-Panel CT and its Correlation with CI Performances</td>
<td>Diego Zanetti, MD</td>
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<td>11:00 AM - 11:10 AM</td>
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<td>Incorporating Electro Angular Insertion Depth in Electric-Acoustic Stimulation Programming</td>
<td>Margaret Dillon, AuD</td>
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<tr>
<td>11:10 AM - 11:20 AM</td>
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<td>Use of Intra-Cochlear Electro-Cochleography to Estimate Cochlear Implant Electrode Location within the Cochlea</td>
<td>Aniket Saoji, PhD</td>
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<td>11:20 AM - 11:40 AM</td>
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<td>Panel Discussion</td>
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<tr>
<td>10:10 AM - 11:40 AM</td>
<td>S1-3</td>
<td>Genes/Surgical Issues</td>
<td>Regency</td>
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<tr>
<td><strong>Chairs:</strong> Ronna Hertzano, MD; Hao Wu, MD</td>
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<tr>
<td>10:10 AM - 10:20 AM</td>
<td></td>
<td>Adaptive Cochleostomy and Cochlear Implant Electrode Insertion Vectors</td>
<td>Thomas Balkany, MD</td>
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10:20 AM - 10:30 AM
Cellular and Molecular Biology of the Temporal Bones That Received Cochlea Implantation
Akira Ishiyama, MD

10:30 AM - 10:40 AM
Global Impact and Screening Strategy for Deafness Genes in CI Patients
Xue Liu, MD, PhD

10:40 AM - 10:50 AM
The Effect of Gene Mutations on Neural Response of the Electrically-Stimulated Auditory Nerve in Children
Shuman He, MD, PhD

10:50 AM - 11:00 AM
Delayed Pain in Cochlear Implant - A Tailored Treatment Plan According to An Etiology-Based Classification
Yisgav Shapira, MD

11:00 AM - 11:10 AM
Clinical Trial of the Capacitive Component of Electrical Impedance in the Cochlea and the Effect of Topical Dexamethasone in Cochlear Implant Surgery
Frederico Di Lella, MD

11:10 AM - 11:20 AM
Safety of Cochlear Implantation in Children Under 12 Months of Age
Kay Chang, MD

11:20 AM - 11:30 AM
Early Data from the Prospective Randomized Trial of intracochlear ECogh during Cochlear Implant Surgery
Michael Harris, MD

11:30 AM - 11:40 AM
Panel Discussion

11:40 AM - 12:40 PM
LUN-1 Lunch with Exhibitors

12:40 PM - 1:10 PM
S2-1 Moving the Field Forward: Expanding Indications & Special Populations

Chairs: Sarah Coulthurst, AuD; Ken Kazahaya, MD

12:40 PM - 12:50 PM
Improved Speech Perception and Expression in Implanted Individuals Having Dual Diagnosis of Hearing Loss and Autism Spectrum Disorder
Adrien Eshraghi, MD, MSc

12:50 PM - 1:00 PM
Outcomes of Cochlear Implantation in Children with Developmental Disabilities
Elizabeth Preston, AuD

1:00 PM - 1:10 PM
Long-Term Outcomes in Children with Congenital CMV Infection and Cochlear Implants
Alessandra Murri, MD

1:10 PM - 1:20 PM
Managing the Complexities of Cochlear Implantation in Children with CHARGE Syndrome
Chrisanda Sanchez, AuD

1:20 PM - 1:30 PM
To What Extent Relaxation of Indication for CI Influences Clinical Practice
Michal Luntz, MD

1:30 PM - 1:40 PM
Speech, Language, and Vocabulary Outcomes in Children with Multiple Disabilities
Kathryn Marsh, MA, MEd

1:40 PM - 1:50 PM
Auditory and Language Skills Development After Cochlear Implantation in Children with Multiple Disabilities
Medhat Yousef, MD, PhD

1:50 PM - 2:10 PM
Panel Discussion

12:40 PM - 2:10 PM
S2-2 Surgical Techniques/Innovations

Moderators: Moises Arriaga, MD; Sarah Mowry, MD

12:40 PM - 12:49 PM
Utilization of Round Window Membrane Surface Tension in Facilitating Slim Electrode Insertion in Cochlear Implant
Ihab Nada, MD

12:49 PM - 12:58 PM
Individualized Cochlear Implantation Using the Concept of Partial Insertion
Thomas Lenarz, Prof. Dr. med.

12:58 PM - 1:07 PM
Scalar Location and Hearing Preservation Outcomes in Precurved Electrode Arrays Inserted Using an External Sheath
Ashley Nassiri, MD, MBA

1:07 PM - 1:16 PM
Electrophysiologic Changes After ‘Pullback’ of the Slim Modiolar Electrode - First Clinical Impressions
Philipp Mittmann, MD

1:16 PM - 1:25 PM
Q&A

1:25 PM - 1:34 PM
Therapeutic Hypothermia to Preserve Residual Hearing in Cochlear Implantation
Suhrud Rajguru, PhD

1:34 PM - 1:43 PM
Cochlear Implantation with a Slim, Modiolar Array
Jonathan McJunkin, MD

1:43 PM - 1:52 PM
Controlled Modulation of Posture with a Vestibular Implant in Humans
Raymond van de Berg, MD, PhD

1:52 PM - 2:01 PM
Post Meningitis Ossification and Neurologic Sequelae and its Effect on Speech Perception in Cochlear Implant Recipients
Amit Wolfowitz, MD

2:01 PM - 2:10 PM
Q&A
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<td>12:40 PM - 2:10 PM</td>
<td>S2-3</td>
<td>Getting the Most out of the CI - Audiology*</td>
<td>Michael Scott, AuD; Teresa Zwolan, PhD</td>
<td>Great Hall 1-3</td>
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<td><strong>Moderators:</strong> Michael Scott, AuD; Teresa Zwolan, PhD</td>
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<td>12:40 PM - 12:49 PM</td>
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<td>Reliability of Cochlear Implants: Reporting In Compliance with International Standards by Cochlear Implant Manufacturers</td>
<td>Brian Kaplan, MD</td>
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<td>12:49 PM - 12:58 PM</td>
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<td>The Long-Term Stability of the Electrical Stapedial Reflex Threshold: A Retrospective Chart Review</td>
<td>Cache Pitt, AuD</td>
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<td>Evaluation of a Modern Remote Microphone DeC72-C79igned to Improve Performance in Small Group Settings with Multiple Talkers</td>
<td>Sara Neumann, AuD</td>
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<td>The Latest and Greatest from the Cochlear Implant Literature for the Clinical Audiologist</td>
<td>Jannine Larky, AuD</td>
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<td>1:25 PM - 1:34 PM</td>
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<td>Longitudinal Results of Older Pediatric Sequential Cochlear Implant Recipients</td>
<td>Allison Biever, AuD</td>
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<td>Towards a Consensus About Minimal Outcome Measurements in Paediatric Cochlear Implant Users</td>
<td>Griet Mertens, PhD AuD</td>
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<td>Effects of Speech Processing Strategy on Cochlear Implant Performance</td>
<td>Meredith Holcomb, AuD</td>
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<td>How Accurate is Cochlear Implant Scene Classification?</td>
<td>Hillary Ganek, PhD</td>
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<td><strong>COF-2 Coffee Break with Exhibitors</strong></td>
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<td>2:40 PM - 3:40 PM</td>
<td>S3-1</td>
<td>Imaging/Surgical</td>
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<td><strong>Moderators:</strong> Joni Doherty, MD; Colin Driscoll, MD</td>
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<td>2:40 PM - 2:49 PM</td>
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<td>Diffusion Tensor Imaging Measures are Associated with Speech Perception Ability in Young Cochlear Implant Candidates</td>
<td>Nancy Young, MD</td>
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<td>2:49 PM - 2:58 PM</td>
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<td>Cochlear Implants and Magnetic Resonance Imaging: Experience with Over 100 Studies Performed with Magnets in Place</td>
<td>Neil Patel, MD</td>
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<td>2:58 PM - 3:07 PM</td>
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<td>Cochlear Morphologic Factors Associated with Electrode Contact Position with the New Slim Modiolar Electrode</td>
<td>Nedim Durakovic, MD</td>
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<td>Comparison of Intrascalar Location of Straight vs Perimodiolar Electrode Array by Flat-Panel Computerized Tomography</td>
<td>Diego Zanetti, MD</td>
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<td>Prediction of the Cochlear Implant Electrode Insertion Depth</td>
<td>Vedat Topsakal, Prof.</td>
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<td>Cognition</td>
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<td><strong>Moderators:</strong> Derek Houston, PhD; David Jung, MD</td>
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<td>Executive Functioning in Children Using Cochlear Implants: Longitudinal Trajectories Over 3 Years</td>
<td>Alexandra Quittner, PhD</td>
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<td>Principles of Executive Function Interventions for Children with Cochlear Implants</td>
<td>Amy McConkey Robbins, LLSL Cert AVT</td>
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<td>Comparisons of Listening Effort, Speech Perception in Noise, and Working Memory in High-performing School-aged Cochlear Implant Users and their Normal Hearing Peers</td>
<td>Eun Kyung Jeon, PhD, AuD</td>
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<td>Reading, Phonological Processing and Writing Outcomes for Adolescents Who Received Their First Cochlear Implant Younger than Two Years and Who are Now Aged 11 to 19 Years</td>
<td>Shani Dettman, PhD, MEd</td>
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<td>Literacy and Related Outcomes: Comparisons Between Children with Cochlear Implants and Hearing Aids</td>
<td>Sneha Bharadwaj, PhD</td>
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<td>Music</td>
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<td><strong>Moderators:</strong> Blake Papsin, MD; Jay Rubinstein, MD</td>
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<td>Effects of Low Frequency Residual Hearing on Music Perception by Older Children</td>
<td>Jay Rubinstein, MD, PhD</td>
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<td>The Role of Music in Families of Children with Hearing Loss in Australia, Finland and the UK</td>
<td>Valerie Looi, PhD</td>
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<td>Impact of Flat Panel Computed Tomography-Based Cochlear Implant Fittings on Speech, Timbre &amp; Pitch Perception</td>
<td>Melanie Gilbert, AuD</td>
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<td>Objective Measurements of Music Discrimination in Individual Cochlear Implant Users</td>
<td>Bjørn Petersen, PhD</td>
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<td>The Sound of Music - Two Novel EEG-Paradigms for Measuring Discrimination of Music in Cochlear Implant Users</td>
<td>Bjørn Petersen, PhD</td>
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<td>3:40 PM - 4:15 PM</td>
<td>PH-1</td>
<td>Poster Highlights 1: Audiology Outcomes</td>
<td>Moderators: Jolie Fainberg, MA; Shawnee Gastal, AuD</td>
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<td>Very Early Activation After Cochlear Implantation - Our Experiences in 20 Cases of Children</td>
<td>Astrid Magele, MD, PhD</td>
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<td>Bimodal to Sequential Bilateral - Deciding When and Why</td>
<td>Janet Green, AuD</td>
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<td>Developing International Consensus on the Use of Unilateral Cochlear Implants for Bilateral Severe, Profound, or Moderate Sloping to Profound Sensorineural Hearing Loss in Adults</td>
<td>Craig Buchman, MD</td>
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<td>Hearing Preservation with a Slim Perimodiolar Electrode for Electro-Acoustic Stimulation</td>
<td>David Friedmann, MD</td>
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<td>Unilateral Cochlear Implantation In Older Children: A Case Study</td>
<td>Samantha Morgan, AuD</td>
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<td>Establishment of the Health Related Quality of Life Questionnaire and the Standard Value for Chinese Mandarin Children with Cochlear Implants</td>
<td>Haihong Liu, PhD</td>
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<td>4:04 PM - 4:08 PM</td>
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<td>Artificial Intelligence-Assisted Cochlear Implant Mapping: Implications for Clinic Efficiency and Future Directions</td>
<td>Teresa Zwolan, PhD</td>
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<td>Poster Highlights 2: Pediatrics</td>
<td>Moderators: Howard Francis, MD; Jennifer Woodard, AuD</td>
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<td>Family Support Community for Parents of Children with Cochlear Implants; Anytime, Anywhere</td>
<td>Marge Edwards, MS, LSLS Cert AVT</td>
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<td>Pediatric Cochlear Implant Device Usage: How Much is Enough?</td>
<td>Christine Brown, AuD</td>
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<td>Bilingual Language Proficiency in Adolescents with Typical Hearing and Adolescents with Hearing Loss</td>
<td>Alliete Alfano, PhD</td>
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<td>Music-Related Quality of Life and Generic Quality of Life in Adolescents with Cochlear Implants</td>
<td>Stephanie Fowler, BA</td>
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<td>Pediatric Wear Time and First Year Language Outcomes with Cochlear Implant</td>
<td>Erika Gagnon, AuD</td>
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<td>Multidisciplinary Cochlear Implant Clinic Improves Evaluation Efficiency and Patient Satisfaction</td>
<td>Kenneth Lee, MD, PhD</td>
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<td>Poster Highlights 3: Medical/Surgical</td>
<td>Moderators: Oliver Adunke, MD; Michal Luntz, MD</td>
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<td>Enlarged Vestibular Aqueduct: Hearing Progression and Outcomes in Cochlear Implant Patients</td>
<td>Sarah Hodge, MD</td>
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<td>Cochlear Implants for Patients with Inner Ear Malformation: Experience in a Cohort of 877 Surgeries</td>
<td>Ying Shi, PhD</td>
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<td>The Significance of the “Hook” Region Anatomy for the Cochlear Implantation Surgery</td>
<td>Vladislav Kuzovkov, MD</td>
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<td>Surgery for the Basal Turn Ossification of the Cochlea</td>
<td>Vladislav Kuzovkov, MD</td>
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<td>Hearing Preservation with Long Electrode Arrays and Implications for Place Based EAS Fitting</td>
<td>Brendan O’Connell, MD</td>
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<td>Optical Stimulation of the Vestibular System: Mechanisms, Methods and Applications</td>
<td>Suhrud Rajguru, PhD</td>
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<td>Effectiveness of Umbilical Cord Derived Mesenchymal Stem Cell Transplantation in Cochlear Implantation</td>
<td>Jae-Hyun Seo, MD, PhD</td>
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<td>Evaluating the Efficacy of New Otoprotective Drugs for Cochlear Implantation Trauma with or without Electrical Stimulation using In Vitro and In Vivo Models</td>
<td>Adrien Eshraghi, MD, MSc</td>
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<td>Poster Session</td>
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<td>5:30 PM - 7:00 PM</td>
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<td>Welcome Reception: Havana Nights</td>
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**FRIDAY, JULY 12, 2019**

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<td>7:30 AM - 8:30 AM</td>
<td>IND-5</td>
<td>Industry Satellite Symposium with Breakfast: Cochlear Americas*</td>
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<td>8:40 AM - 9:25 AM</td>
<td>ACIA-3</td>
<td>What is ACI Alliance Doing to Advance CI Access?</td>
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<td>9:30 AM - 10:00 AM</td>
<td>S4-1</td>
<td>Keynote Lecture: Emotional Competence and its Effect on Social Functioning in Children with Cochlear Implants</td>
<td>Carolien Rieffe, PhD</td>
<td>Great Hall 1-3</td>
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<td>10:00 AM - 10:30 AM</td>
<td>COF-3</td>
<td>Coffee Break with Exhibitors</td>
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<td>10:30 AM - 12:00 PM</td>
<td>S5-1</td>
<td>Complex Cases: Multidisciplinary Management</td>
<td>Chairs: Rene Gifford, PhD; Fred Telischi, MD</td>
<td>Regency</td>
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<td>Slow Skill Emergence: The Role of Counseling and Multidisciplinary Care</td>
<td>Nancy Young, MD</td>
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<td>10:45 AM - 11:00 AM</td>
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<td>Complex Cases: Multidisciplinary Management</td>
<td>J. Thomas Roland, Jr., MD</td>
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<td>11:00 AM - 11:15 AM</td>
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<td>Co-treatment in Complex Cases. The intersection of Audiology and Speech-Language Pathology</td>
<td>Hannah Eskridge, MS and Pat Roush, AuD</td>
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<td>11:15 AM - 11:30 AM</td>
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<td>Revisiting Communication Skills from Childhood to Adolescence</td>
<td>Andrea Warner-Czyz, PhD</td>
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<td>11:30 AM - 12:00 PM</td>
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<td>Panel Discussion</td>
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<td>10:30 AM - 12:00 PM</td>
<td>S5-2</td>
<td>Advanced Programming*</td>
<td>Moderators: Melissa Hall, AuD; Janine Larky, AuD</td>
<td>Great Hall 1-3</td>
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<td>10:30 AM - 10:38 AM</td>
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<td>Evaluation of Novel Physiologic Measures to Estimate Cochlear Implant Stimulation Levels</td>
<td>Jace Wolfe, PhD</td>
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<td>10:38 AM - 10:46 AM</td>
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<td>Clinical Practice Patterns: Advanced Noise Management for Children with Cochlear Implants</td>
<td>Ursula Findlen, PhD</td>
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<td>10:46 AM - 10:54 AM</td>
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<td>Cochlear Implantation for Children with Cochlear Nerve Deficiency: Mapping Characteristics</td>
<td>Melissa Auchter, AuD</td>
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<td>10:54 AM - 11:02 AM</td>
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<td>Two Different Approaches to Record Electrically Evoked Compound Action Potentials: Comparison of Recording Success, Threshold Determination and Feasibility of Simultaneous Stapedial Reflex Recordings</td>
<td>Federica Di Berardino, MD</td>
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<td>Complex Cases, Complex Programming</td>
<td>Jannine Larky, AuD</td>
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<td>11:18 AM - 11:26 AM</td>
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<td>The Use of Artificial Intelligence (FOX) in Programming the Pediatric Patient</td>
<td>William Shapiro, AuD</td>
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<td>11:26 AM - 11:34 AM</td>
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<td>Evaluation of a Novel Algorithm to Optimize Audibility in Cochlear Implant Recipients</td>
<td>Amy Stein, AuD</td>
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<td>Protocol for Measuring the Electrically-Evoked Compound Action Potential in Children with Cochlear Nerve Deficiency</td>
<td>Shuman He, MD, PhD</td>
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<td>Acoustic Component Programming in Children with Cochlear Implants Using Electrocochleography</td>
<td>Sarah Coulthurst, MS</td>
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<td>11:50 AM - 12:00 PM</td>
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<td>Lessons From 18 years of Longitudinal Data in an Inclusive Educational Model</td>
<td>Meredith Ouellette, MS</td>
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<td>Impact of Age of Enrollment in Highly Specialized Listening and Spoken Language Intervention Programs on Speech and Language Skills by Pediatric Cochlear Implant Users</td>
<td>Tamala Bradham, PhD, DHA</td>
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<td>Visual Prosody to Improve the Expressive Reading of Readers with a Hearing Loss</td>
<td>Maarten Renckens, PhD Candidate</td>
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<td>Building Professional Capacity to Support Families Before and After Cochlear Implantation</td>
<td>Wendelyn DeMoss, MS, LSLS Cert AVT</td>
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<td>Read Up: Reading Achievement in Children with Hearing Loss in a Listening and Spoken Language Program</td>
<td>Elaine Smolen, MAT, LSLS Cert AVEd</td>
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<td>Highly Specialized Listening and Spoken Language Intervention Programs Promote Development of Language Skills in 3 to 5 year old Children Who are Deaf or Hard of Hearing</td>
<td>Lynn Miskiel, MA, LSLS Cert AVEd</td>
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<td>Analysis of Factors Influencing Early Postoperative Pediatric Cochlear Implant Data Logging</td>
<td>Mallory Raymond, MD</td>
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<td>Peer Interaction and Language Development in an Intervention Classroom for Children with Hearing Loss</td>
<td>Lynn Perry, PhD</td>
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<td>Let’s Meet Outside the Box: Collaborative Efforts for Optimizing Technology</td>
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<td>Benefits of Early Acoustic Hearing for Speech Perception and Language in Pediatric Cochlear Implant Recipients</td>
<td>Ann Geers, PhD</td>
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<td>When to Replace Legacy Cochlear Implants for Technological Upgrades: Indications and Outcomes</td>
<td>Meredith Holcomb, AuD</td>
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<td>Electrode Impedance Fluctuations and Loss of Residual Hearing: Possible Effects of Device and Age</td>
<td>Nicholas Thompson, MD</td>
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<td>An Updated Comparison of Outcomes and Programming Parameters for Precurved Versus Straight Electrode Arrays</td>
<td>Jourdan Holder, AuD</td>
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<td>Trauma-Informed Practice for Pediatric Cochlear Implant Users and Their Families</td>
<td>Elizabeth Rosenzweig, MS, LSLS Cert AVT</td>
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<td>Early Language Predictors of Long-Term Psychosocial Outcomes</td>
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<td>Implementation of a Screener for Depression and Anxiety: Addressing the Mental Health Needs of Adolescents with Hearing Loss</td>
<td>Nicole Lorenzo, MS</td>
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<td>Adolescents With Hearing Loss and Bullying: A Call to Action</td>
<td>Rachel Glade, PhD, LSLS Cert AVT</td>
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<td>Effect of Auditory Status on Visual Processing of Emotion Cues in Adolescents</td>
<td>Andrea Warner-Czyz, PhD</td>
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<td>Medical/Surgical: Inner Ear Malformations</td>
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<td>Long Term Results of Cochlear Implantation in Patients with Common Cavity Malformation</td>
<td>Yongxin Li, Prof</td>
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<td>Auditory Skills and Surgical Challenges Regarding Cochlear Implantation in Children with Charge Syndrome</td>
<td>Luis Lassaletta, MD</td>
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<td>Electrically Stimulation of the Cochlear Second Turn</td>
<td>Paul Van de Heyning, MD, PhD</td>
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<td>Audiologic Outcomes of Cochlear Implantation in Inner Ear Malformations: A Comparative Analysis of Lateral Wall &amp; Perimodiolar Electrode Arrays</td>
<td>Nofrat Schwartz, MD</td>
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<td>Hearing and Speech Outcomes in Children Following Cochlear Implantation of Congenital Inner Ear Malformations</td>
<td>Owen Darr, MD</td>
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<td>Using the LENA System to Investigate Conversational Partners in Children With and Without Cochlear Implants</td>
<td>Hillary Ganek, PhD</td>
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<td>The Emergence of Speech Intelligibility in Long-Term Pediatric Cochlear Implant Users</td>
<td>Kathryn Wiseman, AuD</td>
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<td>Longitudinal Speech and Language Outcomes in Paediatric Cochlear Implant Recipients</td>
<td>Julie Hare, BSc</td>
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<td>The Role of Feedback and Use of a Mobile App in Supporting Adult-Child Language Interactions in the Home</td>
<td>Shari Dettman, PhD</td>
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<td>Language Performance of Adolescents with Cochlear Implants: Strengths, Weaknesses, and Contributing Factors</td>
<td>Susan Nittrouer, PhD</td>
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<td>Maternal Vocabulary Use to Children During the First Year of Hearing: Group Comparisons between Children with Cochlear Implants and Children with Normal Hearing</td>
<td>Jongmin Jung, PhD</td>
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<td>Word Recognition and Audiometric Profiles of Cochlear Implant Candidacy</td>
<td>Camille Dunn, PhD</td>
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<td>Allison Biever, AuD</td>
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<td>Using Word Recognition Testing to Predict Cochlear Implantation Candidacy</td>
<td>Brandon Isaacson, MD</td>
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<td>Rethinking Unaided Word Recognition Score Minimums to Increase Number of Implant Candidates</td>
<td>Anna McCraney, AuD</td>
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<td>Better Defining Best-Aided Condition: The Role of Hearing Aids on Cochlear Implantation Qualification Rates</td>
<td>Brandon Isaacson, MD</td>
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<td>Air and Bone-Conducted Vestibular-Evoked Myogenic Potentials in Cochlear Implants</td>
<td>Aniket Saoji, PhD</td>
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<td>Feasibility of Pediatric Robotic Cochlear Implantation in Phantoms</td>
<td>Gabriela Bom Braga, MD, PhD</td>
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<td>The First HEARO Robotic Inner Ear Access Trials</td>
<td>Vedat Topsakal, Prof.</td>
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<td>A Model to Evaluate Electrode Explant Force and Trauma</td>
<td>J. Thomas Roland, MD</td>
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<td>Subtotal Petrosectomy and Mastoid Obliteration in Pediatric Cochlear Implant Recipients</td>
<td>Jose Carlos Casqueiro, MD</td>
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<td>Effects of Early Asymmetric Hearing on Cortex and Brainstem</td>
<td>Andrej Kral, MD, PhD</td>
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<td>The Journey to Trilingual Skills in Spoken and Sign Language After Early Implantation</td>
<td>Paula Berkley, BA Dip AuD, MAud SA</td>
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<td>Word Repetition Properties in Maternal Speech Predict Language Development in Children with Cochlear Implants</td>
<td>Yuanyuan Wang, PhD</td>
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<td>Quality of Life for Youth with Hearing Loss Who Use Spoken Language</td>
<td>Amy Melick, PhD</td>
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<td>Binaural Hearing in Infants (BIHI) Parent Questionnaire for Assessing Binaural Hearing Capabilities in Infants in with Cochlear Implants</td>
<td>Liat Kishon-Rabin, PhD</td>
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<td>First Cochlear Implant Under 12 Months, Contralateral Cochlear Implant Simultaneous and Sequential Comparison</td>
<td>Catherine Birman, MBBS, PhD, FRACS GAICD</td>
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<td>Cochlear Implant Quality of Life (CICQL): Development of Profile (CICQL-35 Profile) and a Global (CICQL-10 Global) Quality of Life Instruments</td>
<td>Theodore McRackan, MD, MSCR</td>
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<td>Early Auditory Development of Cochlear Implanted Children</td>
<td>Anita Obrycka, PhD</td>
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<td>Receptive Vocabulary Acquisition in Young Children with Hearing Loss</td>
<td>Andrea Warner-Czyz, PhD</td>
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<td>Service Delivery/Practice Management</td>
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<td>Role of Medicaid in Pediatric Cochlear Implantation</td>
<td>Donna Sorkin, MA</td>
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<td>How Cochlear Implant Industry and Cochlear Implant Clinics Can Collaborate to Improve Clinical Efficiency</td>
<td>Meredith Holcomb, AuD</td>
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<td>Expanding a Cochlear Implantation Program: Identifying Bottlenecks and Resource Demands through Process Mapping</td>
<td>Ashley Nassiri, MD, MBA</td>
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<td>The Benefits of Using Audiology Assistants in a Cochlear Implant Program</td>
<td>Teresa Zwolan, PhD</td>
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<td>Increasing Efficiency While Maintaining Patient Outcomes and Satisfaction: One Clinic’s Approach to a New Service Delivery Model</td>
<td>Regina Presley, AuD</td>
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<td>New CI Delivery Model using Artificial Intelligence: A Case Study</td>
<td>Sara Neumann, AuD</td>
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<td>Disparities in Access to Cochlear Implant Surgery and Related Services</td>
<td>Simon Angeli, MD</td>
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<td>Early Intervention Enrollment in Children with Hearing Loss: The Impact of Service Delivery Model</td>
<td>Ursula Findlen, PhD</td>
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<td>Thirty-Five Years of Cochlear Implantation at One of the Nation's Largest Pediatric Centers</td>
<td>Harold Pillsbury, MD</td>
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<td>Audiology: Predicting Speech Understanding</td>
<td>Moderators: Noelle Roth, AuD; Stacy Payne, AuD</td>
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<td>Evaluation of Cochlear Implant Noise Management Technologies</td>
<td>Sara Neumann, AuD</td>
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<td>Testing Speech Perception with Cochlear Implants through Direct Audio Streaming in a Virtual Sound Booth: A Feasibility Study</td>
<td>Daniel Zeitler, MD</td>
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<td>The Effects of the Interphase Gap on Neural Response of the Electrically-Stimulated Auditory Nerve in Children with Cochlear Nerve Deficiency and Children with Normal-Size Cochlear Nerves</td>
<td>Shuman He, MD, PhD</td>
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<td>Investigating Bimodal Solutions for Children with an Advanced Bionics Cochlear Implant</td>
<td>Julia Reid, AuD</td>
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<td>EEG Alpha Activity as an Objective Marker of Listening Effort During Speech in Noise Perception in Cochlear Implant Users</td>
<td>Andrew Dimitrijevic, PhD</td>
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<td>Bimodal Speech Perception and Prosody Recognition in CI Recipients with Asymmetric Hearing Loss</td>
<td>Diego Zanetti, MD</td>
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<td>What Cues Do Early Implanted and Post-Lingually Deafened Cochlear Implant Users Use to Understand Speech?</td>
<td>David Landsberger, PhD</td>
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<td>Electrophysiological Evidence of Selective Attention in Dichotic Listening in Bilateral Cochlear Implant Users</td>
<td>Andrew Dimitrijevic, PhD</td>
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**SATURDAY, JULY 13, 2019**

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>7:30 AM - 8:30 AM</td>
<td>IND-6</td>
<td>Industry Satellite Symposium with Breakfast: Advanced Bionics*</td>
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<tr>
<td>8:40 AM - 9:10 AM</td>
<td>S9-1</td>
<td>Keynote Lecture: What They Hear and What They Say: Language Learning in a Bilingual Context</td>
<td>Elizabeth Peña, PhD</td>
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<tr>
<td>9:20 AM - 10:20 AM</td>
<td>S10-1</td>
<td>Predicting and Improving Outcomes*</td>
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<td></td>
<td></td>
<td><strong>Moderators: Seema LaGree, AuD; Kelly Murphy, AuD</strong></td>
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<tr>
<td>9:20 AM - 9:29 AM</td>
<td></td>
<td>Redefining Success in Cochlear Implant Recipients</td>
<td>Craig Buchman, MD</td>
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<tr>
<td>9:28 AM - 9:36 AM</td>
<td></td>
<td>Frequency Change Detection and Speech Perception in Cochlear Implant Users</td>
<td>Fawen Zhang, MD, PhD</td>
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<tr>
<td>9:36 AM - 9:44 AM</td>
<td></td>
<td>Conditions for Successful Application of EAS in Children with Useful Residual Hearing</td>
<td>Young-Myoung Chun, MD, PhD</td>
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<tr>
<td>9:44 AM - 9:52 AM</td>
<td></td>
<td>Incidental Residual Hearing and Speech Perception Outcomes Following Pediatric Cochlear Implantation</td>
<td>Alecia Jayne, AuD</td>
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<tr>
<td>9:52 AM - 10:01 AM</td>
<td></td>
<td>The Outcome of Cochlear Implant in Teenage Recipients with Steeply Sloping Hearing Loss</td>
<td>Ying Guo, MA</td>
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<tr>
<td>10:01 AM - 10:09 AM</td>
<td></td>
<td>Pediatric Case Studies of Congenital CMV and Cochlear Implants</td>
<td>Heidi Leonard, AuD</td>
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<td>10:09 AM - 10:20 AM</td>
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<td>Q&amp;A</td>
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<tr>
<td>9:20 AM - 10:20 AM</td>
<td>S10-2</td>
<td>Management of Bilingual Patients</td>
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<td><strong>Moderators: Sarah Radlinski, MS; Sandra Velandia, AuD</strong></td>
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<tr>
<td>9:29 AM - 9:38 AM</td>
<td></td>
<td>Adapting Auditory-Verbal Therapy: Culturally and Linguistically Relevant Intervention for Spanish-Speaking Families</td>
<td>Sarah Radlinski, MS, LSLS Cert AVT</td>
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<tr>
<td>9:38 AM - 9:47 AM</td>
<td></td>
<td>Development and Validation of the Spanish AzBio Sentence Lists</td>
<td>Alejandro Rivas, MD</td>
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<tr>
<td>9:56 AM - 10:05 AM</td>
<td></td>
<td>Literacy in Iberoamérica: Status and Intervention Strategies</td>
<td>Lillian Flores, PhD, LSLS Cert AVT</td>
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<td>10:05 AM - 10:20 AM</td>
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<td>Q&amp;A</td>
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<tr>
<td>9:20 AM - 10:20 AM</td>
<td>S10-3</td>
<td>Bone Conduction</td>
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<td></td>
<td></td>
<td><strong>Moderators: Lisa Christensen, AuD; Daniel Lee, MD</strong></td>
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<td>9:20 AM - 9:29 AM</td>
<td></td>
<td>Behavioral and Subjective Outcomes with the Non-Invasive Bone Conduction Hearing System, Adhere in Pediatric Patients with Conductive Hearing Loss</td>
<td>Hillary Snapp, PhD</td>
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<tr>
<td>9:38 AM - 9:47 AM</td>
<td></td>
<td>First Results of a New Coupling Device for Precise Round Window Coupling of the Vibrant Soundbridge</td>
<td>Magnus Teschner, MD, PhD, MBA</td>
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<tr>
<td>9:47 AM - 9:56 AM</td>
<td></td>
<td>Surgical Considerations for Implantation of a New Active Bone Conduction Aid in Children</td>
<td>Sharon Cushing, MD, MSc</td>
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<tr>
<td>9:56 AM - 10:05 AM</td>
<td></td>
<td>A Comparison of Language and Articulation Scores Between Students with Single-Sided Deafness and Unilateral Microtia Atresia</td>
<td>Monica Dorman, MS</td>
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<td>10:05 AM - 10:20 AM</td>
<td></td>
<td>Q&amp;A</td>
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<tr>
<td>10:20 AM - 10:35 AM</td>
<td>COF-5</td>
<td>Coffee Break - Enjoy your coffee break with songs presented by the University of Miami Debbie School Auditory-Oral Education Program</td>
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<td>10:35 AM</td>
<td>S11-1</td>
<td>Telemedicine</td>
<td>[Moderators: Matthew Fitzgerald, PhD; Joy Murdock Kerns, MS, LSLS Cert. AVEd]</td>
<td>Atlantic</td>
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<tr>
<td>10:35 AM</td>
<td></td>
<td>A Comparison of Family Engagement in Two Early Intervention Settings: Telepractice and In-Person</td>
<td>Melissa McCarthy, MEd, LSLS Cert AVT</td>
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<tr>
<td>10:44 AM</td>
<td></td>
<td>Effectiveness of Teletherapy at Facilitating Language Development in At-Risk Children with Hearing Loss</td>
<td>Matthew Fitzgerald, PhD</td>
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<tr>
<td>10:53 AM</td>
<td></td>
<td>The Next Step in Pediatric Remote Cochlear Implant Programming in Australia</td>
<td>Paula Berkley, BA Dip Aud, MAud SA (CCP)</td>
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<tr>
<td>11:02 AM</td>
<td></td>
<td>Cochlear Implants and Telemedicine - Rehabilitating the Tone Deaf Surgeon</td>
<td>Douglas Hildrew, MD</td>
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<tr>
<td>11:11 AM</td>
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<td>Improving Access to Care Through Offsite Cochlear Implant Mapping Services in Pediatric Patients with Additional Disabilities</td>
<td>Elizabeth O’Neill, AuD</td>
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<td>11:20 AM</td>
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<td>Q&amp;A</td>
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<tr>
<td>10:35 AM</td>
<td>S11-2</td>
<td>Single Sided Deafness</td>
<td>[Moderators: Griet Mertens, PhD; Daniel Zeitler, MD]</td>
<td>Great Hall 1-3</td>
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<td>10:35 AM</td>
<td></td>
<td>Equipment Setup for Therapy with Children with a Unilateral Hearing Loss Who Receive a Cochlear Implant</td>
<td>Sandra Hancock, MS, LSLS Cert AVT</td>
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<tr>
<td>10:44 AM</td>
<td></td>
<td>Cochlear Implantation in Acquired Single Sided Deafness</td>
<td>Paul Van de Heyning, MD PhD</td>
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<tr>
<td>10:53 AM</td>
<td></td>
<td>Preliminary Results of Auditory Skill Development in Children with Unilateral Hearing Loss Who Receive a Cochlear Implant</td>
<td>Maegan Evans, PhD, LSLS AVEd</td>
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<td>11:02 AM</td>
<td></td>
<td>Cochlear Implantation in Children with Single Sided Deafness</td>
<td>Steven Gordon, MD, MPH</td>
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<tr>
<td>11:11 AM</td>
<td></td>
<td>Reduced Fatigue and Improved Quality of Hearing after Cochlear Implant in Children with Unilateral Sensory Hearing Loss</td>
<td>Kevin Brown, MD, PhD</td>
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<td>11:20 AM</td>
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<td>Q&amp;A</td>
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<tr>
<td>10:35 AM</td>
<td>S11-3</td>
<td>Cochlear Nerve*</td>
<td>[Moderators: Sujana Chandrasekhar, MD; William Shapiro, PhD]</td>
<td>Regency</td>
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<tr>
<td>10:35 AM</td>
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<td>Hearing and Cochlear Implant Outcomes in Children with Absent/Abnormal Cochleovestibular Nerves</td>
<td>Elina Kari, MD</td>
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<tr>
<td>10:44 AM</td>
<td></td>
<td>Cochlear Implant Outcomes in Cochlear Nerve Dysplasia- What Can We Tell Parents?</td>
<td>Catherine Birman, MBBS, PhD</td>
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<td>10:53 AM</td>
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<td>Auditory Brainstem Implant Array: Position and Auditory Outcomes in Pediatric Patients</td>
<td>Isabeau van Beurden, BS</td>
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<td>11:02 AM</td>
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<td>Long-Term Use of Device and Outcomes in Non-NF2 Children with Auditory Brainstem Implant</td>
<td>Ranjith Rajeswaran, MASLP</td>
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<td>11:11 AM</td>
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<td>Evaluation of the Functionality of the Cochlear Nerve: Deciding Between Cochlear Implant and ABI</td>
<td>Luis Lassaletta, MD</td>
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<td>11:20 AM</td>
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<td>Q&amp;A</td>
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<td>11:45 AM</td>
<td>S12-1</td>
<td>Electrocochleography</td>
<td>[Moderators: Samantha Anne, MD; Craig Buchman, MD]</td>
<td>Regency</td>
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<td>11:45 AM</td>
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<td>Simultaneous Electrocochleography and High-Resolution Fluoroscopy During Electrode Array Insertion with Two Types of Electrode Arrays</td>
<td>Torquil Sørensen, PhD</td>
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<tr>
<td>11:53 AM</td>
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<td>Clinical Experience with the Atraumatic SimJ Electrode and Intraoperative ECoChG Measurements</td>
<td>Thomas Lenarz, Prof. Dr. med.</td>
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<td>12:01 PM</td>
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<td>Electrocochleography in Pediatric Cochlear Implant Recipients Correlations with Behavioral Audiology and Auditory Outcomes</td>
<td>Joseph Attias, PhD</td>
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<tr>
<td>12:09 PM</td>
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<td>Angular Insertion Depth and Electrocochleography Predict Speech Perception Outcomes with Lateral Wall Arrays</td>
<td>Michael Canfarotta, MD</td>
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<td>12:17 PM</td>
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<td>Trauma Detection during CI Surgery using Objective Measures and Imaging</td>
<td>Ralf Greisiger, PhD</td>
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<td>12:25 PM</td>
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<td>Relationship of Intra-cochlear Electrocochleography to Long Term Speech Perception Scores in Conventional Cochlear Implant Recipients</td>
<td>Carla Valenzuela, MD</td>
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<td>Q&amp;A</td>
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### Scientific Posters

*Denotes Student Poster Competition Participant

#### Audiology

1. Assessing the Benefits of Bimodal Fitting
   **Srinita Agrawal PhD**

2. Bilingual Language Proficiency in Adolescents with Typical Hearing and Adolescents with Hearing Loss
   **Allie Alfano PhD**

3. Quality of Life Outcomes After Cochlear Implantation in Older Adults: A Systematic Review
   **Elian Andries Drs, MSc AuD**

   **Julie Arenberg PhD**

5. Cochlear Implantation in First and Second Generation Immigrant Children of Parents with Limited English Proficiency in the United States: Experiences in Providing Hearing Health Care
   **Shelly Ash MS**

6. Cochlear Implantation in Non-Traditional Pediatric Patients: Considerations in candidacy Cochlear Implantation in Non-Traditional Pediatric Patients: Considerations in Candidacy
   **Shelly Ash MS**

7. Cochlear Implantation for Children with Cochlear Nerve Deficiency: Factors Affecting Speech Perception
   **Melissa Auchter AuD**

8. Application of the Speech Questionnaire, Spatial and Qualities of Hearing Scale (SSQ) Adapted for Brazilian Portuguese in Cochlear Implant Users
   **Fayez Bahmad Junior Doctorate Degree**

9. Pediatric Cochlear Implantation-Early Onset Hearing Loss with Late Referral in a Developing Country
   **Carmen Barreira Nielsen PhD**

10. A Longitudinal Comparison of Performance on a Quick Measure of Spectral Modulation Detection (QSM) Between Electrode Types
    **Katelyn Berg BA**

11. Case-Study of Juvenile Cochlear Implant User Feigning Device Malfunction: a Multi-Disciplinary Solution
    **Paula Berlney BA Dip Aud, MAud SA (CCP)**

12. Cochlear Implant in Adults with Asymmetric Hearing Loss
    **Giovanni Bianchin MD**

13. Delayed Sequential Bilateral Cochlear Implant
    **Silvia Breuning MA**

    **Christine Brown AuD**

15. Music Perception and Speech-in-Noise Skills of Listeners with Typical Hearing or Cochlear Implants
    **Hannah Cahoun BS**

16. Assessing Acute Listening Fatigue and Its Effects on Speech Recognition for a Deaf and Hard-of-Hearing Adult
    **Emily Camacho BS, BA**

17. Developing a Clinical Protocol for Providing Adult Aural Rehabilitation for Cochlear Implant Recipients
    **Laura Campos AuD**

18. Clinical Considerations in Pediatric Cochlear Implantation for Single-Sided Deafness
    **Steven Carter MEd**

    **Fang Chen MM**

20. Cochlear Implantation in a Child with Charcot-Marie-Tooth Syndrome: Audiological and Surgical Considerations
    **Mark Chung M Aud (Hons)**

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<tr>
<td>11:45 AM - 12:45 PM</td>
<td>S12-2</td>
<td>(Re)habilitation</td>
<td>Moderators: Lori Bobsin, PhD; Alyssa Whinna, AuD</td>
<td>Atlantic</td>
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<tr>
<td>11:45 AM - 11:54 AM</td>
<td></td>
<td>Interprofessional Practice and Intensive Listening and Spoken Language Intervention Support Pediatric Cochlear Implant Users Keep Up, Catch Up, Move Up</td>
<td>Uma Soman, PhD, LSLS Cert AVT</td>
<td>Atlantic</td>
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<td>11:54 AM - 12:03 PM</td>
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<td>Pre-Lingually Deaf Children After Cochlear Implantation: The Developmental Regularity of Language Ability During Long-Term Follow-Up</td>
<td>Wei Wei, PhD</td>
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<tr>
<td>12:03 PM - 12:12 PM</td>
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<td>Do the Children with Cochlear Implants Comprehend Verbal Irony?</td>
<td>Sara Cavicchiolo, Speech Therapist</td>
<td>Atlantic</td>
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<tr>
<td>12:21 PM - 12:30 PM</td>
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<td>Additional Disabilities, Cochlear Implants and Informed Consent</td>
<td>Catherine Birman, MBBS PhD FRACS</td>
<td>Atlantic</td>
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<td>12:30 PM - 12:45 PM</td>
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<td>Q&amp;A</td>
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<td>11:45 AM - 12:45 PM</td>
<td>S12-3</td>
<td>Audiology Outcomes</td>
<td>Moderators: Sarah Warren, AuD, PhD; Alyssa Whinna, AuD</td>
<td>Great Hall 1-3</td>
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<tr>
<td>11:45 AM - 11:54 AM</td>
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<td>Two is Better than One and One is Better than Two: The Impact of Pediatric Cochlear Implants on Language Acquisition</td>
<td>Shani Dettman, PhD, MEd</td>
<td>Atlantic</td>
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<tr>
<td>11:54 AM - 12:03 PM</td>
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<td>Age at Full Time Use is More Predictive of Language Outcomes than Age at Cochlear Implant Surgery</td>
<td>Erin Thompson, MS, LSLS Cert AVT</td>
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<td>12:03 PM - 12:12 PM</td>
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<td>Bilateral Cochlear Implants in Children</td>
<td>Angelika Ilg, PhD</td>
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<tr>
<td>12:12 PM - 12:21 PM</td>
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<td>Cochlear Implantation in Pediatric Auditory Neuropathy Spectrum Disorder</td>
<td>Cedric Pritchett, MD, MPH</td>
<td>Atlantic</td>
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<td>12:21 PM - 12:30 PM</td>
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<td>The Impact of Cochlear Implantation on Speech and Language Outcomes in Children with Asymmetric Sensorineural Hearing Loss</td>
<td>Prashant Malhotra, MD</td>
<td>Atlantic</td>
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<td>Q&amp;A</td>
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<tr>
<td>1:30 PM - 5:00 PM</td>
<td>SLS</td>
<td>Spanish Language Symposium &amp; Reception</td>
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<td>Atlantic 2-3</td>
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<tr>
<td>1:30 PM - 5:00 PM</td>
<td>CLS</td>
<td>Chinese Language Symposium &amp; Reception</td>
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</tbody>
</table>
80* Barriers to Care for Latino Pediatric Cochlear Implant Recipients Gabrielle Watson MA

81 Evaluating and Optimizing Electrically Evoked Stapedial Reflex Thresholds Brittany Wilson AuD

82 Effect of Delay of Implantation on Speech Perception Outcomes in Children Who Are Non-Traditional Cochlear Implant Candidates Jennifer Woodward AuD

83 Audiological Benefit with the Adhesive Bone Conduction Hearing System in Children with Congenital Aural Atresia Mario Zernotti MD PhD

Basic Research

84 Assessing Angular Insertion Depth from an Intraoperative X-ray with a Rotating Cochlear Model: Implications for Pediatric Cochlear Implantation Michael Canfariotta MD

85 Spatial Hearing After Cochlear Implantation in Cases of Unilateral and Asymmetric Hearing Loss Margaret Dillon AuD

86 Evaluating the Efficacy of New Ototoxic Drugs for Cochlear Implant Trauma with or without Electrical Stimulation using In Vitro and In Vivo Models Adrien Eshraghi MD, MSc, FACS

87 Brain Responses to Silent Lip Reading in Cochlear Implant Users Predict Speech Perception Outcomes Maya Kuroiwa MD

88 Perception of Prosodic Phrase Boundaries by Children with Cochlear Implants and Hearing Children James Mahsia PhD

89 Effectiveness of Umbilical Cord Derived Mesenchymal Stem Cell Transplantation in Cochlear Implantation Kyoung Ho Park MD, PhD

90 Changes of Blood Flow in the Cochlea After Noise Exposure: An Animal Model Yong-Ho Park MD, PhD

91* Surgical Considerations for Localized Therapeutic Hypothermia Application in Cochlear Implant Surgery Enrique Perez MD, MBA

92 Cochlear Size Measurement - Condition for an Individualized Implantation Luminita Radulescu Associate Professor

93* Case Series of the Temporal Bone Histology of Cochlear Implant Revision Alden Smith MD

Technology

96* A Fluoroscopic Analysis of Slim Modular Electrode Insertions Yew Song Cheng BM BCh

97* Machine Learning & Cochlear Implantation - A Structured Review of Opportunities and Challenges Matthew Crowson MD FRACS

98 Binaural Hearing with a Cochlear Implant and an Auditory Brainstem in a Child with Bilateral Nerve Aplasia Pei Shan Leem, Master of Clinical Audiology

99 Optical Stimulation of the Vestibular System: Mechanisms, Methods and Applications Suhrud Raigaru PhD

Economics, Public Policy, and Practice Management

101 Developing International Consensus on the Use of Unilateral Cochlear Implants for Bilateral Severe, Profound, or Moderate Sloping to Profound Sensorineural Hearing Loss in Adults Craig Buchman MD

102 Is Medicaid Your Cup Of Tea? How to Navigate The Medicaid System Linda Hazard EdD

103 Incorporating the Assessment and Mapping of Electric-Acoustic Stimulation into Clinical Practice English King AuD

104 Multidisciplinary Cochlear Implant Clinic Improves Evaluation Efficiency and Patient Satisfaction Kenneth Lee MD, PhD

105 Assessing Cochlear Implant Device Use in Older Prelingual Deaf Children Matthew Sitton MD

106 Reduction in Audiology Time Spent at Cochlear Implant Switch-On Using Artificial Intelligence-Based Mapping and Preliminary Auditory Experience Eric Sughara DO

107 Artificial Intelligence-Assisted Cochlear Implant Mapping: Implications for Clinic Efficiency and Future Directions Teresa Zvolan PhD

Miscellaneous

108 Cochlear Implant Billing: Differences Across Centers Melissa Auclert AuD

109 Cross-Modal Plasticity: Long-Term Results After Cochlear Implantation in Children Lida Charroo Ruiz MD

110 Establishing a Smoke Alarm Program for Children with Cochlear Implants Shelley Duncan AuD

111 Our Early Experience with200 Cochlear Implants in North India Rohit Mehrotra MS(ENT)

112* Novel Noun Generalization in Children with and without Hearing Loss Amy Maitzer BS

113 Telemedical Fitting of Patients with Cochlear Implants in Central Asia Piotr Skarzynski MD, PhD

114 Bone Conductive Devices -Clinical Experience Piotr Skarzynski MD, PhD

115 Radiographic Determination of Size Growth in the Sinus Tympani as a Possible Influencing Factor of CI Electrode Migration Magnus Teshchner MD, PhD, MBA

116 An App-Based Diary for Vestibular Disorders: The DizzyQuest Raymond van de Berg MD, PhD

Rehabilitation/Educational Aspects

117 Comparison of Communicative Profiles Between Children Using Hearing Aids and Those Using Cochlear Implants Ahmed Abdelmonem Lecturer of Phoniatrics

118 PPVT-5/ETV-3 Special Group Study: Children with Hearing Loss who Utilize Cochlear Implants and Spoken Language Elizabeth Adams Costa PhD

119 Interdisciplinary Collaboration in Research on Spanish-English Bilingual Adolescents with Hearing Loss Alliee Alfano PhD

120 Dominio Bilingüe Del Lenguaje En Adolescentes Con Audición Típica y Adolescentes Con Pérvida Auditiva Alliee Alfano PhD

121 Going from Good to Great: CI for a Toddler with SSD Sheryl Atwill AuD

122 Evaluation of symbolic Function as Marker to Selection of the Cochlear Implant Candidate Carmen Banna Nielsen PhD

123 Pediatric Experience With the Off-The-Ear and Behind-The-Ear Processor Allison Biever AuD

124 Additional Disabilities, Cochlear Implants and Informed consent Catherine Birman MBBS PhD FRACS

125 Effects of Children’s Hearing Loss on the Synchrony Between Parents’ Object Naming and Children’s Attention to Objects in Parent-Child Interactions Chi-Hsin Chen PhD

126 Factors Affecting Speech Perception and Language Outcomes Shany Dettman PhD, MSc, Speech Pathology

127 Munich Music Questionnaire: Adaptation into Italian Language and Application in Cochlear Implant Teen-Agers and Children Meri C Guarnera ENT

128* Literacy Outcomes in Children with Severe-Profound Hearing Loss and Early Unilateral and Bilateral Cochlear Implants Fatma Hassaneen BS in Communication Sciences and Disorders

129 Professional Listening and Spoken Language Coaching: The Multiplying Effect Mariana Helbig MA, CED, Cert LSLS ASEd

130 Listening and Spoken Language Specialist Certification A Global Perspective Ulfik Löffkvist PhD, Associate Professor, LSLS Cert ASEd, SLP

131 Long-Term Speech Recognition and Language Skills in Mandarin-Speaking Children with Cochlear Implants Xin Lu PhD

132 Very Early Activation After Cochlear Implantation - Our Experiences in20 Cases of Children Astrid Mgiele MD,PhD

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There is a taxi stand located in the hotel’s main entrance – guests may ask Valet staff to assist them.

Rideshare with Uber and Lyft is also available by downloading the apps on your mobile devices.

**PARKING**

Self and valet parking are available at the Diplomat Beach Resort.  
Self-parking $35 + tax  
Valet parking $45 + tax
Dining Options
The Diplomat Beach Resort has several dining options available and several others within one mile of the hotel. An Area Restaurant Guide is available at Registration. Please see the hotel concierge for directions to any of the restaurants on this guide or listed below.

Point Royal @ The Diplomat
Coastal American restaurant and bar by celebrity chef Geoffrey Zakarian.

Playa @ The Diplomat
Poolside, beachfront Nuevo Latino concept featuring dishes designed by chefs Sue Torres and Darren Carbone.

Monkitail @ The Diplomat
Modern Japanese fare by celebrity chef and restauranteur Michael Schulson.

Diplomat Prime @ The Diplomat
Boutique steakhouse led by Executive Chef Rashaad Abdool boasting a reimagined menu of prime beef and seasonally-driven seafood dishes.

Terrazas / 4111 S Ocean Drive, 9th Floor, Hollywood, FL (4 Miles)

ETARU Hallandale / 111 S Surf Rd
Hallandale Beach, FL (.4 Miles)
Featuring contemporary Japanese in an ocean front setting.

Padrino’s Cuban / 2500 E Hallandale Beach Blvd. Hallandale Beach, FL (.8 Miles)

Blue Bar & Grill / 1960 S. Ocean Drive, Hallandale Beach, FL (.9 Miles)
Classic Mediterranean dishes that are both sophisticated and approachable. Fusing great food with excellent service and ambiance.

Juniper on the Water / 1975 S Ocean Dr.
Hallandale Beach, FL (.9 Miles)
American-Mediterranean restaurant located on the inter-coastal waterway in Hallandale Beach.

Matteo’s of Hallandale / 1825 E Hallandale Beach Blvd. Hallandale Beach, FL (1.0 Miles)
Matteo’s has an abundance of must have dishes that rival the best Italian restaurants. They use the finest meat, fish and vegetables prepared by professional Chefs that have been pleasing guests for decades.

Upcoming ACI Alliance Sponsored Meetings

Thank you for attending!
## Schedule at a Glance

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<td>Industry Satellite Symposium</td>
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<tr>
<td>4:30 PM - 5:45 PM</td>
<td>Industry Satellite Symposium</td>
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<tr>
<td>6:00 PM - 7:00 PM</td>
<td>Parent Choice Symposium</td>
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<tr>
<td>10:10 AM - 11:40 AM</td>
<td>Concurrent Sessions</td>
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<td>Coffee Break with Exhibitors</td>
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<td>3:40 PM - 4:15 PM</td>
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<td>Industry Satellite Symposium with Breakfast</td>
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<td>10:00 AM - 10:30 AM</td>
<td>Coffee Break with Exhibitors</td>
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<td>12:00 PM - 1:00 PM</td>
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<td>Concurrent Sessions</td>
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<td>1:30 PM - 5:00 PM</td>
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