



# South Carolina Academy of Audiology

QUARTERLY UPDATE

SUMMER 2018

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*Happy 30th Anniversary  
to the South Carolina  
Academy of Audiology!!*

*We will be celebrating this milestone at our annual  
conference. Come learn and celebrate with us!*





2019 Conference  
Location:  
Columbia, SC

Alone we  
are  
strong,  
together  
we are  
stronger!

## 2019 Annual Conference, January 17-18

Guest Speakers and Topics:

Harvey Abrams, Ph.D.

~Aural Rehabilitation and Best Practices

Kathy Dowd, Au.D.

~Hearing Loss and Comorbidities

Alexandra Tarvin, Au.D. & Angela Zuentdt, Au.D.

~All Things Tinnitus

### Conference Location:

Embassy Suites Columbia-Greystone  
200 Stoneridge Drive. Columbia, SC 29210

### Location of Gala:

SC State Museum  
301 Gervais Street. Columbia, SC 29201

There will be dinner, cocktails, music, and shows in the planetarium for your enjoyment.



**Dr. Kathy Dowd**, AuD received her undergraduate degree in French Education from Spalding University, Masters in Audiology from University of Louisville and Clinical Doctorate from Salus University. Her background in Audiology over the past 39 years is varied: educational audiology at local and state levels, as well as private practice in ENT and proprietary clinics. For the past five years, Dr. Dowd has worked to raise the awareness of chronic disease and ototoxic medications causing hearing loss by instructing diabetes educators, optometrists and audiologists nationally about this silent unmet medical need. In April 2016 her advocacy efforts moved the Centers for Disease Control to consider a recommendation for hearing testing to the patient guide: Take Charge of Your Diabetes. Dr. Dowd is heading the advocacy and collaboration of Audiology organizations in setting clinical guidelines for *patient care in the area of chronic and infectious diseases*.





**Dr. Harvey Abrams** has served in a number of academic, clinical, research, and administrative capacities with the Department of Veterans Affairs, the Department of Defense, academia and private industry to include Chief of the Audiology and Speech Pathology Service and Associate Chief of Staff for Research and Development at the Bay Pines VA Healthcare System, the Director of Research at the Army Audiology and Speech Center at Walter Reed Army Medical Center, and the Director of Audiology Research at Starkey Hearing Technologies. He received his undergraduate degree from the George Washington University and his master’s and doctoral training in audiology and hearing science at the University of Florida.

Harvey instructs students at several AuD programs including those at the University of Florida, Salus University, West Virginia University and Arizona State University. He is a frequent lecturer on the topics of outcome measures, health-related quality of life, professional issues, and evidence-based audiologic practice. His research has focused on *treatment efficacy and improved quality of life* associated with audiologic intervention to include, most recently, computer-based auditory training.

**Dr. Alexandra Tarvin, Au.D.** is Board Certified in Audiology. Dr. Tarvin received her Doctor of Audiology degree from the University of South Florida and her Bachelors in Communication Sciences and Disorders from the University of Florida. Dr. Tarvin completed her residency at a not-for-profit audiology institute in Louisville, Kentucky where she practiced all audiology specialties and focused on adult diagnostics and treatment. She started her career at a private practice in Greenville, SC for 3.5 years prior to starting Elevate Audiology. She is a twice published researcher completing her audiology doctoral project, entitled Acceptable Noise Level and Hearing Aid Noise Reduction, which has also been presented at multiple conferences. Dr. Tarvin is a Certified Fellow of the Tinnitus Practitioners Association specializing in *tinnitus and sound sensitivity*, has her Certificate of Clinical Competence by the American Speech-Language and Hearing Association, volunteers as Technology Chair and former President of the South Carolina Academy of Audiology, a fellow of the American Academy of Audiology, and a committee member of the Academy of Doctors of Audiology.



**Dr. Angela Zuendt** obtained a Bachelor of Science and a Bachelor of Arts from Kent State University in Kent, Ohio. She earned her Doctor of Audiology degree from the Northeast Ohio Au.D. Consortium (NOAC) in 2010. She completed her fourth-year externship at the Cleveland Clinic in Cleveland, Ohio and then began her career at an ENT office in Augusta, GA. After 2 years she found her home at Greenville Ear, Nose, and Throat in Greenville, SC. She has been with this family since 2012. She specializes in *tinnitus management and adult diagnostics/treatment*. Dr. Zuendt implemented and oversees the student externship program at Greenville ENT. She is a fellow of the American Academy of Audiology, member of the Academy of Doctors of Audiology, and holds her Certificate of Clinical Competence in Audiology from the American Speech-Language-Hearing Association. She is currently the president-elect of the South Carolina Academy of Audiology.



# SCAA Special Olympics Partnership UPDATE!

“Special Olympics is a global movement of people creating a new world of inclusion and community, where every single person is accepted and welcomed, regardless of ability or disability. We are helping to make the world a better, healthier and more joyful place -- one athlete, one volunteer, one family member at a time.”

## Want to volunteer for Fall Games?!

**Fall games will be held in the Myrtle Beach area on Saturday October 27th, 2018 at Coastal Carolina University (Conway, SC)**

*Email Lisa Leen/Beth McCall if you'd like to volunteer:*

*lleen@charlestonent.com/hulveybi@mailbox.sc.edu*



On May 12, over **1000 Special Olympics Athletes** gathered at Ft. Jackson, SC to participate in the annual state summer games! South Carolina is fortunate to have many disciplines included in the Healthy Athletes program and **Healthy Hearing** is one of them.



This program would not be successful without the help of volunteers like you. We had **23 volunteers** from various aspects of audiology participate in this wonderful and successful event, including audiologists, Teachers of the Deaf, speech pathologists, SLP students, and a Physician Assistant. This group **screened 104 athletes'** hearing over the course of 4 hours. Earwax removal services were also offered for those that needed it. The day was filled with so much fun and laughter. There was a karaoke party and dance contest as well as many sporting events.



All the athletes were so proud of their medals and were eager to show them off! It was not uncommon to hear the successes of the day from the athletes about their various medals that they have won or sports they have participated in while you are taking the case history regarding their hearing. They are so excited to have you there and their parents and coaches are forever grateful for our support.

A special thank you to **Starkey, Oticon, Caption Call, and Charleston ENT** for donating giveaway items for the athletes. Lastly, thank you to **Carolina Sales and Service** for donating audiometers and calibrating them so that

we could have equipment 'in-house' for years to come. We could never have these events without donations from manufacturers and businesses like this and we are grateful for their support.

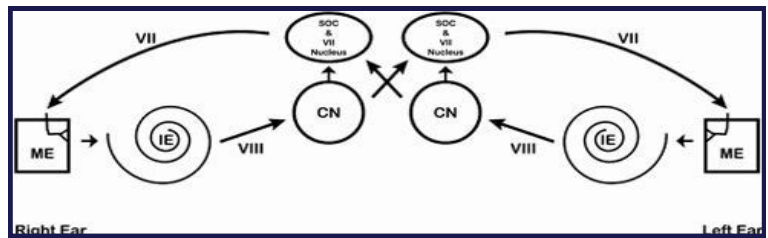
## CEU OPPORTUNITIES:



- The Audiology Project Web Seminars
- AAA– March 27-30, 2019 (Columbus, OH)
- CAPCSD Conference- April 10-13, 2019 (San Diego, CA)

## The Clinic Corner:

### The Theories of the Acoustic Reflex



Did you know that there are five theories about the acoustic reflex?

Well, here's a summary!

- 1. The Protection Theory:** The reflex may protect the cochlea from damage by reducing the amount of sound energy that makes it to the inner ear.
- 2. The Accommodation Theory:** The middle ear muscles may selectively enhance certain frequencies or optimize hearing sensitivity in general.
- 3. The Ossicular Fixation Theory:** The reflex may be the result of the stapedius and tensor tympani simply trying to maintain the proper positioning and rigidity of the ossicular chain.
- 4. The Perceptual Theory:** The middle ear muscles may be improving auditory perception by smoothing the frequency response, improving attention to the acoustic environment, and creating a better signal to noise ratio by attenuating low-frequency internal sounds without reducing higher frequency sounds in the environment.

#### **5. The Multifunctional Desensitization, Interference, Injury Protection Theory:**

The reflex may limit the sounds created by chewing, talking, or yelling so as to not desensitize from other sounds in the acoustic environment and to also prevent interference or masking of higher frequency sounds from one's own voice while talking. The contractions may also avoid potential injury by attenuating intense sounds.

(Adapted from Gelfand's chapter "The Acoustic Reflex" in the *Handbook of Clinical Audiology, 6th edition*)