

Continuing Education

Empower Through Education

Course Title	2017 Modern Advancements In Audiology
Course SHT ID Number	17-LE-09
Course Hours CEUs	2 Hours 0.2 CEUs
Course Location	Varied
Course Start and End Date(s)	Varied

General Course Information

Course Abstract

Up to 80% of people aged 80 and up experience age-related hearing loss that impacts their quality of life; meanwhile the aging population is expected to double by 2050. Advancements in audiology must thus keep pace with a fast-growing global need for hearing care. This presentation will focus on two such advancements: 1) the potential role for cognitive screening in audiology practice, and 2) technological advancements in communication between ear-worn devices, and between ear-worn devices and mobile telephones. Research increasingly shows that the long-term implications of hearing loss extend beyond the peripheral effects of reduced audibility and into the realm of cognition. For this reason, a scientific eye has turned toward the prospective inclusion of cognitive screening at the time of audiologic assessment. Data on the relationships between cognitive ability, hearing status, and the treatment of hearing loss will be reviewed, culminating in considerations for cognitive screening in audiology practice. Technical advancements have allowed for great strides in the treatment of hearing loss. Low-power audio and data transmission to hearing aids allows for direct communication between these ear-worn devices and mobile telephones. This connection facilitates a spate of novel developments that include: location specific acoustic management and in-field, patient directed optimization of hearing aid settings.

Course Description

Attendees learned that up to 80% of people aged 80 and up experience age-related hearing loss. Research shows that long-term effects of hearing loss extend beyond reduced audibility into the realm of cognitive ability. Hearing aids may be a buffer to cognitively related ill effects of hearing loss and those that allow for direct connectivity to smartphones appear to positively influence the perception of hearing aids.

Learning Outcomes

- 1 Upon completion, participants will be able to define cognitive ability in both common and professional language.
- 2 Upon completion, participants will be able to modify existing treatment plans to accommodate the needs of patients with poor cognitive ability.
- 3 Upon completion, participants will be able to explain how research methodologies used in social sciences and how these can be applied to audiology.
- 4 Upon completion, participants will be able to describe technical advancements in audiology and how those may impact psychosocial perceptions among audiologists and their patients.

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Promotional Materials

This course has been pre-registered to the following national CEU boards.

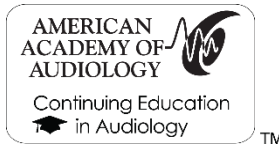
ASHA



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

This course is offered for 0.2 ASHA CEUs (Intermediate Level, Professional Area)

AAA



Starkey Hearing Technologies is approved by the American Academy of Audiology to offer Academy CEUs for this activity. The program is worth a maximum of 0.2 CEUs. Academy approval of this continuing education activity is based on course content only and does not imply endorsement of course content, specific products, or clinical procedure, or adherence of the event to the Academy's Code of Ethics. Any views that are presented are those of the presenter/CE Provider and not necessarily of the American Academy of Audiology.

This course is offered for 0.2 AAA CEUs.

IHS



This program is approved by the International Hearing Society and its educational committee, the International Institute for Hearing Instruments Studies.

This course is offered for 2 IHS CEUs.

California Hearing Aid Dispensers Bureau

Course meets the qualifications for 2 hours of continuing professional development credit for hearing aid dispensers as required by the Speech-Language Pathology and Audiology and Hearing Aid Dispensers Board of California. Course approval number: TBD
California Continuing Education Professional Development (CPD)
Starkey Hearing Technologies is not a CE Sponsor for California's CPD Continuing Education Hours.

CE Broker (Florida and Ohio)

Pre-registered for 2 continuing education clock hours for Florida licensed Audiologists and Hearing Aid Dispensers. Florida CE Sponsor Code: 50-1884

Georgia Office of Secretary of State; Professional Licensing Boards Division

Pre-registered for 2 continuing education clock hours for Georgia Hearing Aid Dispensers. Course approval number: TBD

Kansas Department of Health and Environment

Pre-registered for 2 continuing education clock hours for Kansas licensed Audiologists by the Kansas Department of Health and Environment. Long-Term Sponsorship number LTS-1224.

North Carolina State Hearing Aid Dealers and Fitters Board

Pre-registered for 2 continuing education clock hours by the North Carolina State Hearing Aid Dealers and Fitters Board. Course approval number: TBD

New York State Department of State Department of Licensing Services

Pre-registered for 2 continuing education clock hours for New York licensed Audiologists by the New York Department of State. Course approval number: TBD

In addition, this course has been pre-registered with Arkansas, Kansas Hearing Aid Board, Louisiana, Nebraska, Oklahoma, South Carolina and Texas for 2 continuing education clock hours

All other states accept the pre-registration from one or more of the national boards.

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Starkey Hearing Technologies Policies

Attendance Policy

Via Paper Attendance Forms

When paper attendance forms are used, documentation of attendance will only be accepted prior to leaving the course offering. All participants who wish to receive a letter of attendance or have attendance reported to a board must complete the Participant Attendance Form. Attendance will only be reported to the national/state boards indicated on the Participant Attendance Form. Starkey Hearing Technologies reports attendance to all approved boards within 30 days of course end date. No Participant Attendance Forms will be accepted from the participant via US mail, email or FAX and no Letter of Attendance will be provided retroactively. A Letter of Attendance will be sent to participants within 45 days of course end date reflecting the number of hours attended. Participants should verify reporting with their boards and notify Starkey Hearing Technologies of discrepancies within 10 days of receipt of the Letter of Attendance.

The CE Department of Starkey Hearing Technologies will complete roster corrections only in the event of clerical error. No corrections will be made to the number of hours reported due lack of information provided by the Participant on the Participant Attendance Form or during the course registration process. If the Participant does not ensure national or state board information is provided, Starkey Hearing Technologies is not responsible for associated fees related to roster corrections resulting from incomplete information.

The CE Department of Starkey Hearing Technologies will complete roster corrections only in the event of clerical error. No corrections will be made to the number of hours reported due to negligence of wearing the name badge on the part of the participant or lack of information provided by the Participant during the course registration process. If the Participant does not ensure national or state board information is provided prior to the course start date, Starkey Hearing Technologies is not responsible for associated fees related to roster corrections resulting from incomplete information.

Via Name Badge Scanners

When name badge scanners are used, Starkey Hearing Technologies contracts with Convention Strategy Group to electronically track attendance using bar-coded name badges and scanner technology. Participants must wear the name badge to ensure accurate scanning of sessions attended. Participants will be sent a course evaluation to the email used to register for the course for each session scanned. All participants who wish to receive a Letter of Attendance or have attendance reported to a board must verify their contact and license information prior to the course start date. Attendance will only be reported to the national/state boards for the number of hours scanned via the name badge. Attendance documentation is submitted by Convention Strategy Group within two weeks of the course end date. Starkey Hearing Technologies reports attendance to all required boards within 30 days of course end date. A Letter of Attendance will be sent to participants within 45 days of course end date reflecting the number of hours for which the name badge was scanned. Participants should verify reporting with their boards and notify Starkey Hearing Technologies of discrepancies within 10 days of receipt of the Letter of Attendance.

The CE Department of Starkey Hearing Technologies will complete roster corrections only in the event of clerical error. No corrections will be made to the number of hours reported due to negligence of wearing the name badge on the part of the participant or lack of information provided by the Participant during the course registration process. If the Participant does not ensure national or state board information is provided prior to the course start date, Starkey Hearing Technologies is not responsible for associated fees related to roster corrections resulting from incomplete information.

Refund Policy due to Event Cancellation or Date Change

Starkey Hearing Technologies (SHT) reserves the right to cancel an event due to low enrollment, weather or other circumstances that would make the event non-viable. If SHT cancels an event, registrants will have the option to either receive a full refund or transfer registration to the same event at the new, future date. Refunds will be issued in the same form as which the payment was made. Please allow two weeks for processing.

Refund Policy due to Participant Cancellation

All cancellations must be received at least 24 business hours before the start of the event to receive a full refund. Cancellations must be received in writing. Registrants who cancel will not receive conference materials. Refunds will be issued in the same form as which the payment was made. Please allow two weeks for processing.

Resolution of Complaints Policy

Whenever a course participant has a complaint about a course or instructor, the participant must contact the Vice President of Education and Training within 15 days of the course end date.

Transparency in Course Planning, Delivery and Marketing

Starkey Hearing Technologies discloses that there will be limited or no information provided about similar products or services during the course listed in this document. Speaker biographies and disclosures are posted with the course abstracts and learning outcomes on www.starkeypro.com under Education and Training > Training Classes > CEU Documentation.

Intellectual and Legal Property Rights

Starkey Hearing Technologies respects intellectual and legal property rights of staff members, guest speakers and resources used in the preparation and presentation of learning content and references materials appropriately.

Privacy Policy

Starkey Hearing Technologies respects individual participant's privacy. Contact and license information is stored on a secure server maintained by Starkey Hearing Technologies IT Department. The requested information is used only to mail the letter of attendance and to report your attendance to requested national and/or state boards.

Equal Employment Opportunity Policy

Diversity makes us stronger: Starkey Hearing Technologies is an Equal Opportunity Employer Minority/ Female/Vet/Disabled. We encourage diversity in the workplace. In fact, we believe the diverse individuality of our employees is truly what makes us great. We value each team member as a key part of our continuing commitment to excellence. [EEO is the law](#), [EEO is the Law Supplement](#), [Pay Transparency](#)

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Instructional Personnel Disclosure

This information is also posted on www.starkeypro.com

Jason Galster, Ph.D.

Jason Galster leads the Audiology Research group at Starkey Hearing Technologies. He holds a Ph.D. in audiology from Vanderbilt University with a minor focus in electrical engineering. Dr. Galster's research interests have spanned topics that include room acoustics, pediatrics, signal processing and most recently, interpreting individual variability in the outcomes of patients with hearing aids.

Financial Disclosure
Non-Financial Disclosure
Adriana Goyette, Au.D.

Senior Manager of Audiology Research, Starkey Hearing Technologies
Supporter of the Starkey Hearing Foundation

Financial Disclosure
Non-Financial Disclosure

Jumana Harianawala, Au.D.

Adriana Goyette is a Research Audiologist at Starkey Hearing Technologies. She joined Starkey as a Laboratory Audiologist in 2013. She received her undergraduate training in Speech Pathology and Audiology at the Federal University of Bahia in Brazil and her doctorate in Audiology at Nova Southeastern University in Davie, Florida. Her research interests include tinnitus, directional microphones, spatial hearing, auditory scene analysis and auditory interfaces.

Audiology Research, Starkey Hearing Technologies
Project Team Member for Starkey Hearing Technologies Product and Software Development; Supporter of the Starkey Hearing Foundation

Financial Disclosure
Non-Financial Disclosure

Eric McCabe, Au.D.

Jumana Harianawala is a research audiologist at Starkey Hearing Technologies. As a researcher, she helps the company to innovate and develop new ideas, research and validate new technologies, and train on new technologies. Previously, Jumana worked as a clinical audiologist for a private practice. She graduated from Indiana University with a clinical doctorate in audiology.

Audiology Research, Starkey Hearing Technologies
Project Team Member for Starkey Hearing Technologies Product and Software Development

Financial Disclosure
Non-Financial Disclosure

Jingjing Xu, Ph.D.

Eric McCabe, Au.D., joined Starkey Hearing Technologies as a Research Audiologist in 2015. He received his bachelors in Speech-Language-Hearing Sciences as well as his Au.D. from the University of Minnesota. Prior to joining Starkey, he worked for nearly 4 years as a Clinical Audiologist first at a private practice, and then at a nonprofit health clinic. In his role with Clinical Product Research, McCabe conducts Alpha and Beta clinical trials on emerging technologies.

Audiology Research, Starkey Hearing Technologies
Project Team Member for Starkey Hearing Technologies Product and Software Development

Financial Disclosure
Non-Financial Disclosure

Jingjing Xu is a research audiologist in the Audiology Research department at Starkey Hearing Technologies. He received his masters degree in Engineering Acoustics from the Technical University of Denmark and his Ph.D. in Communication Sciences and Disorders from the University of Memphis. Prior to joining Starkey, Jingjing worked at the University of Memphis Hearing Aid Research Lab as a research assistant professor. His research interests include speech recognition, hearing aid outcome measures, and acoustics. He has been involved in developing a number of outcome measure tools, such as the Device-Oriented Subjective Outcome scale (DOSO), the American Four Alternative Auditory Feature Test (AFAAF) and the Sound Acceptability Test (SAT).

Audiology Research, Starkey Hearing Technologies
Project Team Member for Starkey Hearing Technologies Product and Software Development

6425 Flying Cloud Dr.
Eden Prairie, MN 55344
T: 1.800.328.8602
www.starkey.com



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