

DANIA A. RISHIQ
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University of South Alabama
Department of Speech Pathology and Audiology
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QUALIFICATIONS SUMMARY

Dania Rishiq, Ph.D., is currently an Assistant Professor of Audiology at the University of South Alabama. Her primary area of interest is speech-evoked auditory brainstem responses (speech-ABRs). Specifically, Rishiq is interested in studying the effects of aging, cardiovascular health and various audiological interventions (e.g. amplification technologies and auditory training paradigms) on the subcortical processing of speech – as measured via the speech-ABR.

Her other research interests include the standardization of a newly-developed pediatric speech-in-noise test, called the Masking Level Difference with Digits (MLDD), and studying the relationship between cognition and audiovisual speech-in-noise performance, as well as the use of cognitive tests in evaluating cochlear implant candidates and their readiness for intervention.

EDUCATION

- **Ph.D. Speech and Hearing Science**
The University of Tennessee Health Science Center (UTHSC) ▪ Department of Audiology and Speech Pathology ▪ January 2008 - May 2013
- **M.A. Audiology**
The University of Tennessee at Knoxville (UTK) ▪ Department of Audiology and Speech Pathology ▪ August 2006 - January 2008.
- **B.Sc. Communication Sciences and Disorders**
Applied Science University (Amman – Jordan) ▪ Department of Audiology and Speech Pathology ▪ August 1999 - August 2003

PROFESSIONAL EXPERIENCE

- **Assistant Professor ▪ August 2016 – Present**
University of South Alabama ▪ Department of Speech Pathology and Audiology ▪ HAHN 1119 ▪ 5721 Drive North, Mobile, AL 36688-0002
- **Postdoctoral Research Fellow ▪ July 2015 – July 2016**
Mayo Clinic Florida ▪ Department of Otorhinolaryngology ▪ Audiology Section ▪ 4500 San Pablo Road, Jacksonville, FL 32224
- **Research Audiologist ▪ January 2013 – July 2015**
Starkey Hearing Technologies ▪ 6600 Washington Ave. S, Eden Prairie, MN 55344
- **Graduate Student Assistant ▪ August 2006 – December 2012**
The University of Tennessee ▪ Department of Audiology and Speech Pathology ▪ 578 South Stadium Hall, UT, Knoxville, TN 37996 – 0740.
- **Audiology Lab Technician ▪ December 2003 – July 2006**
Applied Science University (ASU) ▪ Amman – Jordan

- **Screening Audiologist** ▪ **September 2003 – November 2003**
Middle East Hearing Association (Canada International Scientific Exchange Program) ▪ Amman – Jordan

PROFESSIONAL AFFILIATION

- American Academy of Audiology, member, April 2018 – present.

AUTHORED TEXTBOOK CHAPTER

- **Rishiq, D. (2019)**. Documentation in Clinical Audiology. **Chapter 13 in Audiology Practice Management**, Third Edition, Thieme Medical Publishers, Inc, (“Thieme”), 333 Seventh Avenue, New York, NY 10001, USA.

PEER-REVIEWED (REFEREED) PUBLICATIONS

- Johnstone P., Bilgo R., Murphy N., **Rishiq D.**, Harkrider A., Plyler E., and Hedrick M. (2022). Effects of Unilateral Hearing Loss on Speech-evoked Auditory Brainstem Responses and Reading – A Preliminary Study. **Accepted in the American Journal of Audiology**. August 2022. Ref.: Ms. No. AJA-22-00028R2.
- **Rishiq, D.**, Harkrider, A., Hedrick, M. (2022). Effects of Spectral Shaping on Speech Auditory Brainstem Responses to Stop Consonant-Vowel Syllables. **Published in Journal of American Academy of Audiology**. February 2022. DOI: 10.1055/a-1764-9805.
- **Rishiq D.**, Harkrider A., Springer C., Hedrick M. (2021). Click-evoked and Speech-evoked Auditory Brainstem Responses from Individuals with Multiple Sclerosis. **Published in Neuroscience Letters**. January 2021. DOI: 10.1016/j.neulet.2020.135460.
- **Rishiq D.**, Harkrider A., Springer C., Hedrick M. (2020). Effects of Aging on the Subcortical Encoding of Stop Consonants. **Published in American Journal of Audiology**. September 2020. DOI: 10.1044/2020_AJA-19-00044.
- Kleindienst S., Zapala D., Nielsen D., Griffith J., **Rishiq D.**, Lundy L., Dhar S. (2017). Development and Initial Validation of a Consumer Questionnaire to Predict the Presence of Ear Disease. **Published in Journal of American Medical Association (JAMA) Otolaryngology – Head & Neck Surgery**. October 2017. DOI: 10.1001/jamaoto.2017.1175.
- Yu L., Rao A., Zhang Y., Burton P., **Rishiq D.**, Abrams H. (2017). Neuromodulatory Effects of Auditory Training and Hearing Aid Use on Audiovisual Speech Perception in Elderly Individuals. **Published in Frontiers in Aging Neuroscience** journal. February 2017. DOI: 10.3389/fnagi.2017.00030.
- Rao A., **Rishiq D.**, Yu L., Zhang Y., Abrams H. (2017). Neural Correlates of Hearing Aid Use Followed by ReadMyQuips Auditory Training Program. **Published in Ear and Hearing**. January 2017. DOI: 10.1097/AUD.0000000000000348.
- **Rishiq D.**, Rao A., Koerner T., Abrams H. (2016). Can a Commercially Available Auditory Training Program Improve Audiovisual Speech Performance? **Published in American Journal of Audiology**. October 2016. DOI: 10.1044/2016_AJA-16-0017.
- **Rishiq D.**, Harkrider A., Hedrick M. (2012). Acceptable Noise Level (ANL) and Psychophysical Masking. **Published in American Journal of Audiology**. December 2012. DOI: 10.1044/1059-0889(2012/11-0021).

NON-REFEREED PUBLICATIONS

- Kleindienst S., Zapala D., Nielsen D., Griffith J., **Rishiq D.**, Lundy L., Dhar S. (2018). Errors in Items and Algorithm in Questionnaire Used in Validation Study. Published in The Journal of American Medical Association (JAMA) Otolaryngology - Head and Neck Surgery. 144. 10.1001/jamaoto.2018.0029. "Comments & Response".
- **Rishiq D.** (2016). Cognitive Decline and the Role of Hearing Aids. Innovation Magazine. Volume 5, Issue 4, 34 – 41.
- Valentine S., McKinney M., **Rishiq D.**, Zhang T. (2013). Perception of Annoying Sounds in Hearing Impaired Listeners. The 165th Acoustical Society of America (ASA) Meeting, ASA Lay Language Papers, Montreal, June 4, 2013.

PODIUM (ORAL) PRESENTATIONS

- **Rishiq D.** (2023). Patient-Provider Communication in Minority Populations. **Accepted** to present at the South Carolina Speech, Language, Hearing Association (SCSHA) Annual Convention, Charleston, SC, February 1-4, 2023.
- **Rishiq D.** (2022). Hearing Help-Seeking Behavior and Patient Readiness for Intervention. Speech and Hearing Association of Alabama (SHAA) Annual Convention, Birmingham, AL, February, 2022.
- **Rishiq D.**, Paige T. (2021). Speech in Noise Testing: Overview, Test Parameters and Factors. Speech and Hearing Association of Alabama (SHAA) Annual Convention, Birmingham, AL, March 4 – 14, 2021.
- **Rishiq D.**, Roberts W. (2020). Understanding the Cochlear Implant Candidate: Readiness for Change. The CI2020 International Conference, Orlando, FL, March 18-21, 2020. (*Accepted only, conference was cancelled due to COVID-19*).
- **Rishiq D.** (2019). Masking Level Difference with Digits (MLDD) in Children. Presentation at the University of South Alabama Office of Research and Economic Development (ORED) Fall Forum as an awardee for the 2017-2018 Faculty Development Council Grant Program, Mobile, AL, September, 2019.
- **Rishiq D.** (2019). Overview of Auditory Training Programs for Aided Listening in Older Adults. Mississippi Speech-Language-Hearing Association (MSHA) Annual Conference, Biloxi, MS, April 2019. (**Invited**).
- Zapala D., Dhar S., Kleindienst S., Nielsen D., Griffith J., Lundy L., Carlson D., Klyn N., AlFakir R., **Rishiq D.** (2017). Self-Treatment: When the Consumer Screens for Ear Diseases. American Academy of Audiology (AAA) Annual Conference, AudiologyNow, Indianapolis, IN, April 5 – 8, 2017.

POSTERS PRESENTATIONS (*My students are highlighted in **borders***)

- **Snavely K.**, **Rishiq D.**, **Ange F.**, Nichols A., Roberts W. (2023). Comparing Speech Recognition Performance of Cochlear Implant Users with Two Different Speech Tests: Consonant-Nucleus-Consonant (CNC) Word Test and AZBio Sentence Test. **Abstract** accepted at the CI2023 International Conference, Dallas, TX, June, 2023.
- **Ange F.**, **Snavely K.**, Roberts W., **Rishiq D.** (2023). The Relationship between Audiologist-Patient Communication and Patient's Satisfaction with Service Provision in Cochlear Implant Recipients: A Pilot Study. **Abstract** accepted at the CI2023 International Conference, Dallas, TX, June, 2023.

- Doran C., Ange F., Snaveley K., **Rishiq D.** (2023). Evaluation of Patient-Audiologist Communication in Minority Populations. **Abstract** accepted at the American Academy of Audiology (AAA) Annual Conference, Seattle WA, April 2023.
- Sibley P., Puranen L., **Rishiq D.** (2022). Exploring the Role of Different Attention Domains in Understanding Speech in Noise. The American Academy of Audiology (AAA) Annual Conference, St. Louis, MO, March 2022.
- Scoggins H., Roberts W., **Rishiq D.** (2022). Help-Seeking Behavior and Readiness for Intervention in Adult Cochlear Implant Candidates. The American Academy of Audiology (AAA) Annual Conference, St. Louis, MO, March 2022.
- Scoggins H., **Rishiq D.** (2021). Attention Domains and Executive Function in Adult Hearing Aid Patients. University of South Alabama Summer Undergraduate Research Fellowship (SURF) Symposium, Mobile, AL, October 28, 2021.
- Grimstad K., **Rishiq D.**, Sasahara K., Zapala D. (2020). Masking Level Difference with Digits (MLDD) Test in Normal Hearing and Hearing-Impaired Children. The American Academy of Audiology (AAA) Annual Conference, New Orleans, LA, April 1 – 4, 2020. (*Accepted only, conference was cancelled due to COVID-19*).
- **Rishiq D.**, Herrin S., Grimstad K., Zapala D. (2019). Masking Level Difference with Digits Test in Children with Hearing Loss. The Annual American Speech-Hearing-Language Association (ASHA) Convention, Orlando, FL, November 2019.
- Carver K., **Rishiq D.** (2019). Masking Level Difference Performance Using Digits in Children. University of South Alabama Summer Undergraduate Research Fellowship (SURF) Symposium, Mobile, AL, November 2019.
- **Rishiq D.**, Clancy S., Cassidy D., Schwartz K., Kleindienst S., Roberts W., Nichols A., Zapala D. (2018). Masking Level Difference with Digits Test in Normal Hearing Children. The American Academy of Audiology (AAA) Annual Conference, Nashville, TN, April 2018.
- **Rishiq D.**, Schwartz K., Kleindienst S., Stamper G., Zapala D (2016). The Effects of Hearing Loss and Ear Disease on the Masking Level Difference with Digits (MLDD) Test. The American Academy of Audiology (AAA) Annual Conference, AudiologyNow, Phoenix, AZ, April 13 – 16, 2016.
- Yu L., Rao R., Zhang Y., Burton P., **Rishiq D.**, Abrams H. (2016). Changes in Cortical Functional Connectivity for Audiovisual Speech Perception associated with Hearing Aid Use With or Without Auditory Training. The Cognitive Neuroscience Society Annual Meeting, New York, NY, April 2-5, 2016.
- **Rishiq D.**, Rao A., Koerner T., Abrams H. (2016). Can a Commercially Available Auditory Training Program Improve Audiovisual Speech Performance? The Annual Meeting of American Auditory Society (AAS), Scottsdale, AZ, March 2 – 5, 2016.
- Schwartz K., **Rishiq D.**, Kleindienst S., Stamper G., Zapala, D. (2016). Masking Level Difference with Digits (MLDD): Development and Normative Data. The Annual Meeting of American Auditory Society (AAS), Scottsdale, AZ, March 2 – 5, 2016.
- Rao A., **Rishiq D.**, Yu L., Zhang Y., Abrams H. (2014). Auditory Event-Related Potential Outcomes with ReadMyQuips Auditory Training Program. The International Hearing Aid Research Conference, Lake Tahoe, CA, August 13 – 17, 2014.

- **Rishiq D.**, Harkrider A., Hedrick M. (2014). Effects of Aging and Spectral Shaping on Brainstem Differentiation of Consonants. The Annual Meeting of American Auditory Society (AAS), Scottsdale, AZ, March 6-8, 2014.
- Valentine S., McKinney M., **Rishiq D.**, Zhang T. (2013). Perception of Annoying Sounds in Hearing-impaired Listeners. The 165th Acoustical Society of America Meeting, Montreal, Canada, June 4, 2013.
- Fitz K., Micheyl C., **Rishiq D.**, Valentine S., Zhang T. (2013). Assessing the Contribution of Spectral Cues to Recognition of Frequency-Lowered Consonants. International Congress on Acoustics (ICA), Montreal, Canada, June, 2- 7, 2013.
- **Rishiq D.**, Harkrider A., Hedrick M. (2012). Speech-Evoked Auditory Brainstem Responses from Individuals with Multiple Sclerosis. The Annual Meeting of American Auditory Society (AAS), Scottsdale, AZ, March 8-10, 2012.
- **Rishiq D.**, Harkrider, A. (2011). Auditory Brain Wave Study on Individuals with Multiple Sclerosis. The Graduate Student Research Day at the University of Tennessee Health Science Center, Memphis, TN, April 29, 2011.
- **Rishiq D.**, Harkrider A., Hedrick M. (2009). Acceptable Noise Level and Temporal Processing. Tennessee Association of Audiologists and Speech- Language Pathologists & The Tennessee Academy of Audiology (TAASLP/TAA) Convention, Knoxville, TN, October 22 - 23, 2009.

MANUSCRIPTS IN PREPARATION

- **Rishiq D.**, Harkrider A., Hedrick M. Comparison of Auditory Evoked Potentials and the Paced Auditory Serial Additional Task Test from Individuals with Multiple Sclerosis.
- Sibley P., Hedrick M., **Rishiq D.** Different Attention Domains and Speech-in-Noise Performance in Auditory-Only and Audiovisual Modalities.
- **Rishiq D.**, Sibley P. Self-Reported Hearing Difficulties and Everyday Life Attention Scale (ELAS).
- **Rishiq D.**, Rao A., Koerner T., Abrams, H. Determining the Efficacy of an Auditory Training Program using a Single-Subject Design.

EXTRAMURAL GRANTS SUBMITTED

- **Hearing Industry Research Consortium (IRC) Annual Grant for Year 2021.** The Effects of Hearing Aid Use on Cardiovascular Disease (CVD) Risk Factors and Risk Assessment: Can Hearing Aids Lower CVD Risk? (Requested \$117,840). PI – Dania Rishiq (**Submitted, Not Funded**).

INTRAMURAL GRANTS SUBMITTED

- **University of South Alabama Faculty Development Council (USAFDC) Grant for 2018- 2019.** Masking Level Difference with Digits (MLDD) Test in Children. \$5000, PI – Dania Rishiq (**Awarded**).
- **University of South Alabama Pat Capps Covey College of Allied Health Professions (PCCAHP) Diversity, Equity, and Inclusion Grant for 2022 – 2023.** Ratings of Patient-Centered Communication of Audiologists by Diverse and Minority Patients (August 2022). Requested \$5000. PI – Dania Rishiq (**Submitted, Not Funded**).

INSTRUCTION

University of South Alabama, Fall 2016 – present.

Annual Courses Developed and Taught

- AUD 612: Anatomy and Physiology of the Hearing Mechanism
- AUD 613: Psychoacoustics
- AUD 614: Instrumentation and Acoustics
- AUD 631: Selection, Fitting, & Verification of Amplification Systems
- AUD 647: Adult Audiologic Rehabilitation

Additional Courses Developed and Taught

- SHS 302: Audiology and Hearing Sciences – an undergraduate course, (*Spring 2017, 2018, 2019, 2020*).
- AUD 640: Basic Audiologic Assessment (*Fall 2016*)
- AUD 648: Counseling the Hearing Impaired and their Families (*Summer 2017*)
- CSD 694: Directed Research: Speech in Noise Tests (*Fall 2020*).
- CSD 695: Directed Research: Assessing Cochlear Implant Candidate (*Spring 2020*).
- CSD 695: Directed Research: Intervention Outcomes (*Spring 2021*).
- AUD 699: Thesis (*Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021*)

Guest Lectures

- SLP 521, Advanced Speech Science, November 2019, 2020, & 2021. Topic: Overview of the Auditory System.
- SLP 521, Advanced Speech Science, July 2018 & November, 2018. Topic: Speech Perception.
- SHS 301, Introduction to Communication Disorders, November 27, 2018. Topic: Anatomy and Physiology and Hearing Disorders.

STUDENT RESEARCH DIRECTION

Committee Chair – Doctoral Thesis Project

- Thomas, B. (**December, 2019**). *Effects of Attention on Audiovisual Speech Perception and Self-Reported Hearing Ability in Adults: A Pilot Study*. Doctoral thesis project, University of South Alabama. Committee Co-Chair: Ishara Ramkissoon.
- Sibley, P. (**May, 2022**). *Different Attention Domains and Speech-in-Noise Performance in Auditory-Only and Audiovisual Modalities*. Doctoral thesis project, University of South Alabama.

Committee Member – Doctoral Thesis Project

- Puranen L. (**July, 2022**). *Assessment of Knowledge of Music-Induced Hearing Loss and Hearing Protection in Musicians*. Doctoral thesis project, University of South Alabama. Committee Chair: Ashley Flagge.
- Money, L. (**February, 2020**). *Duration of Secondhand Smoke Exposure, Duration of Noise Exposure, and their Effects on Tinnitus in College Students and Adolescents*. Doctoral thesis project, University of South Alabama. Committee Chair: Ishara Ramkissoon.

Committee Member – Undergraduate Senior Honors Theses

- Baumgarten, C. (**March, 2019**). *Effects of Stimulus Presentation Timing on Multimodal Sentence Recognition in Younger Normal Hearing Adults*. Undergraduate Senior Honors thesis, University of South Alabama. Committee Chair: Kimberly Smith.

- Money, L. (**May, 2018**). *Determining the Relationship between Secondhand Smoke Exposure, and Frequency of Reported Tinnitus in College Students and Adolescents*. Undergraduate Senior Honors thesis, University of South Alabama. Committee Chair: Ishara Ramkissoon.

Summer Undergraduate Research Fellowship (SURF) Program

- Hailey Scoggins. (**2020**). Working Memory and Executive Function in Adult Cochlear Implant Patients.
- Katie Karver. (**2019**). Masking Level Difference Performance Using Digits in Children.

Mentored Student Awards

- The University of South Alabama **Graduate Student Activities Enhancement Award Program** (\$2,000 for each Au.D. student).
 - Hailey Scoggins (**2022**). Help-Seeking Behavior and Readiness for Intervention in Adult Cochlear Implant Candidates.
 - Lucy Puranen (**2022**). Exploring the Role of Different Attention Domains in Understanding Speech in Noise.
 - Payton Sibley (**2022**). Exploring the Role of Different Attention Domains in Understanding Speech in Noise.
 - Kourtney Grimstad (**2020**). Masking Level Difference with Digits: A New Diagnostic Tool in Children.
 - Deborah Cassidy (**2018**). Standardization of a New Speech-in-Noise Test for Pediatric Purposes.
 - Sarah Clancy (**2018**). Standardization of a New Speech-in-Noise Test for Pediatric Purposes.

SERVICE

Professional Service

- American Speech-Language-Hearing Association (ASHA) Convention Audiology Dispensing and Business Management, Committee Member, 2018 – 2019.

University-level Service

- Campaign representative for the SouthFund, Employee Annual Fund
- USA Days
- Student Marshal Graduation Ceremony
- Move-in Day

College-level Service

- College Curriculum & Academic Programs Planning Committee, member, Fall 2021 – Present.
- Academic Standards Committee – Graduate, member, Fall 2022 – Present.
- Research and Scholarly Activities, member, Fall 2022 – Present.
- Diversity, Equity, and Inclusion Committee, member, Fall 2022 – Present.

Departmental Service

- Admissions Committee, Chair, Fall 2022 – Present.
- Student Academy of Audiology (SAA) Faculty Advisor, Fall 2022 - Present
- Audiology Grand Rounds Coordinator, Fall 2018 – Present.
- Audiology Academic Committee, member, August 2016 - Present.
- Awards and Scholarships Committee, Chair, Fall 2019 – Fall 2022
- PhD Academic Committee, member, August 2016 - Present.

Departmental Service (Cont'd)

- Bachelors of Speech and Hearing Science Program (SHS Program) Academic Committee, member, August 2016 – Fall 2021.
- Admissions Committee, member, for Spring 2019
- Clinic Committee, member, August 2016 - August 2018.
- Audiology Academic Faculty Search Committee, member, 2016 – 2017; & 2020 – 2021.
- Department of Speech & Hearing Science 50th Anniversary Commemoration Committee, member, 2017
- Audiologic Rehabilitation Summer Camp (Summer 2023). Program Coordinator.

SELECT CONTINUING EDUCATION AND WORKSHOPS ATTENDED

Professional Development

The American Academy of Audiology Annual Conference	April 2020 (Online)
	April 2018
	April 2016
The CI2020 International Conference, March 18-21, 2020 in Orlando, FL.	March 2020 (Online)
American Speech-Language-Hearing Association Annual Convention	Nov 2019
Mississippi Speech-Language-Hearing Association (MSHA) 2019 Annual Conference", Mississippi Speech-Language-Hearing Association, Biloxi, MS.	April 2019
Mayo Clinic Conference, University of South Alabama Speech and Hearing Center	February 2017
Vanderbilt Hearing Aid Workshop, Nashville, TN.	Oct. 2014

Teaching Enhancement

Boost Student Motivation and Creativity via Alternative Assessments	October 2022
Making the Most of Your Gradebook Canvas Tips and Tricks	October 2022
Small Group Instructional Feedback (SGIF)	October 2022
Small Group Instructional Feedback (SGIF)	October 2021
Strategic Course Design Mini-Course	August 2021
Canvas Fundamentals	September 2020
Proctoring Best Practices	June 2020
Innovative Learning Center (ILC) Tech Workshop: iClicker	May 2020
Conference on Teaching and Learning (CoTL), ILC	Years 2017, 2020, 2021
Tutorial, Taking Team-Based Learning (TBL) Online: Best Practices for Blended, Synchronous Asynchronous TBL," ILC	December 2018
Workshop, Getting Started with TBL (TeamUSA), ILC	December 2018
ACUE course "Effective Teaching Practices", ILC: Attended selected sessions	2018 - 2019

Research Development

Clinical and Translational Science Training program, University of Alabama at Birmingham (UAB) Center for Clinical and Translational Science (CCTS):
Attended selected lectures. 2018

NIH-Grant Workshop at Mayo Clinic, FL. “Writing Winning Grant Proposals” 2016