

GENERAL CURRICULUM VITAE FORMAT

Educational Background & Experience

1. Education

Ph.D. in Health and Rehabilitation Science, 2020-2024

Medical University of South Carolina, Charleston, South Carolina

Mentor: Heather Shaw Bonilha, Ph.D., CCC-SLP

M.S. in Speech-Language Pathology, May 2014

The University of Alabama, Tuscaloosa, Alabama

B.S. in Communication Disorders, May 2012

Auburn University, Auburn, Alabama

2. Experience:

A. Academic:

April 2024 – Present Assistant Professor | Tenure Track
Department of Communication Disorders
College of Nursing and Health Sciences
Auburn University at Montgomery, Montgomery, AL

July 2021 – Present Swallowing Cross-System Collaborative Contractor
Project: BaByVFSSImP²
Northwestern University, Evanston, IL

August 2020 – May 2024 Graduate Assistant
Laboratory of Dr. Heather Shaw Bonilha
College of Health Professions
Medical University of South Carolina, Charleston, SC

Summer 2023 Adjunct Instructor
Department of Speech-Language Pathology
College of Health Professions
Medical University of South Carolina, Charleston, SC

B. Other professional: Position, period of appointment

February 2018 – Jul 2022 Speech-Language Pathologist
Children's Therapy Services
Children's Hospital at Erlanger, Chattanooga, TN

August 2014 – Oct 2017 Speech-Language Pathologist

Huntsville Hospital Pediatric Therapy and Audiology
Huntsville Hospital, Huntsville, AL

3. Licensure Information and Professional Certification Information; Include Organization/Year
 - Licensed Speech-Language Pathologist State of South Carolina, 2021 – present
 - Licensed Speech-Language Pathologist State of Tennessee, 2018 – present
 - Licensed Speech-Language Pathologist State of Alabama, 2015 – 2019, 2024 (in process)
 - ASHA Certificate of Clinical Competence, 2015 – present

Scholarly and Creative Productivity

(Report all items within each category in reverse chronological order.)

1. Publications

(List only those items that have actually been published in APA format)

- A. Refereed/Invited Publications

(include the number of printed pages for each publication and list the names of authors in the order in which they appear on the publication. Also, indicate which publications were invited. Use APA format)

- a. Journal articles

- **Barnes, C.**, Herbert, T. L., & Bonilha, H. S. (2023). Parameters for Orally Feeding Neonates Who Require Noninvasive Ventilation: A Systematic Review. *American journal of speech-language pathology*, 1–20.
https://doi.org/10.1044/2023_AJSLP-22-00259

2. Items Accepted for Publication but NOT YET Published

n/a

3. Artistic or Other Creative Contributions

n/a

4. Participation in Professional Meetings

2024

- Davies, L., Domann, J.E., Barnes, C.K., Scott, K.D., Little, H., & Walz, A. Increasing Early Mobilization in an Academic Pediatric Intensive Care Unit. Poster Presentation. AOTA Convention, March 2024.
- Barnes, C.K., Simpson, K.N., Dooley, M., Wilmskoetter, J., & Bonilha, H. S. Feeding characteristics of hospitalized infants who required non-invasive ventilation. Poster Presentation. Dysphagia Research Society Annual Conference, March 2024.

2023

- Barnes, C.K., Simpson, K.N., Dooley, M., Wilmskoetter, J., & Bonilha, H. S. Feeding characteristics of hospitalized infants who required non-invasive ventilation. Poster Presentation. 51st Society of Ear, Nose, and Throat Advancement in Children's Conference, December 2023.
- Wyand, R., Marvin, W.E., Barnes, C.K., & Simpson, K.N. Trends in Non-COVID-19 Respiratory Diagnoses in Infants from 2019-2020. Poster Presentation. American Academy of Pediatrics National Conference & Exhibition, Oct 2023.
- Domann, J., Barnes, C.K., Davies, L., Scott, K., Little, H., & Walz, A. INCREASING EARLY MOBILIZATION IN AN ACADEMIC PEDIATRIC ICU. Critical Care Medicine 51(1):p 326, January 2023. | DOI: 10.1097/01.ccm.0000908424.81341.e6
- Domann, J.E., Walz, A., Barnes, C.K., Lindsay Davies, L., Scott, K.D., Little, H. Early Mobilization in an Academic Pediatric ICU. APTA Conference, Feb 2023.

5. Other Scholarly or Creative Activities

- A. Service in role of discussant, critic, reviewer for professional meeting or publications
 - Journal Reviewer:
American Journal of Speech Language Pathology (2024)
- B. Service in the role of officer of professional organization, program committee member, session organizer for professional meeting
 - Alabama Dysphagia Collective Leadership Board (June 2024 – present)
 - ASHA Convention Pediatric Feeding and Swallowing Topic Committee member (Spring 2023)
 - Compassion in Action Student Leadership Program member (Aug 2021 – Apr 2022)
- C. General editorship of journal, monograph series, book series
n/a
- D. Professional society membership
 - Dysphagia Research Society, February 2021 – present
 - ASHA Special Interest Group 13 (ASHA SIG 13): Swallowing and Swallowing Disorders (Dysphagia), 2018 – present
 - American Speech-Language-Hearing Association (ASHA), 2014 – present

6. Awards, Lectureships, or Prizes

(List those that show recognition of scholarly or artistic achievement)

n/a

7. Grants and Contracts

A. Grants and contracts received

(Indicate project title, source and amount of grant, and date grant was approved)

- a. Principal investigator, co-principle investigator, or equivalent

n/a

b. Not principal investigator, etc. (indicate your role)

n/a

8. Thesis/Dissertation Service

(Limit entries to thesis/dissertation service during the last three years, indicate the service capacity [committee member or chair], name of student, thesis/dissertation title, date/expected date of completion)

n/a

9. Major Areas of Creative or Research Interest

- Pediatric feeding, swallowing, and dysphagia
 - o Standardization and objectivity of pediatric feeding and swallowing assessment
 - o Impact of noninvasive respiratory support on the swallow mechanism
 - o Respiratory-swallow coordination
- Health disparities and access to care in rehabilitation

10. Other Professional Accomplishments

A. Manuscripts under submission

(include the title of the manuscript, and when and where it has been submitted)

- Refereed Journal:
 - o **Barnes, C.K.**, Marvin, W.E., Wyand, R., & Simpson, K.N. (under review by The Pediatric Infection Disease Journal). Changes in hospitalizations in 2019-2020 in infants with non-COVID-19 respiratory diagnoses.
- Refereed Scholarly Conference:
 - o Arkenberg, R.H., **Barnes, C.K.**, & Martens, A. Demystifying the research process in Pediatric Feeding Disorders: becoming a clinician-researcher. Professional Developmental Seminar. Submitted and Under Review. American Speech-Language-Hearing Association Annual Convention, Dec 2024
 - o Lefton-Greif, M., McGhee, H., **Barnes, C.**, Kiemel, Z.; Smith, R., Graham, K., Davidson, K., & Martin-Harris, B. Standardized Dysphagia Practice in the Context of Personalized Care: Bottle-fed Infants (Part 1 of 2). Oral Seminar. Submitted and Under Review. American Speech-Language-Hearing Association Annual Convention, Dec 2024
 - o **Barnes, C.K.**, Nichols, K., Walz, A., Marvin, W., & Domann, J. Speech-Language Pathology and Pediatric ICU Liberation: A Quality Improvement Initiative at One Children's Hospital. Poster Presentation. Submitted and Under Review. American Speech-Language-Hearing Association Annual Convention, Dec 2024

B. Course/Program design and development

- Developed the following graduate-level courses:
 - In process and/or planning phase of multiple courses for the MS-SLP program at AUM, including (but not limited to) Language Disorders, Dysphagia, Research Methods/Evidence Based Practice, Voice and Voice Disorders, & Interprofessional Practice
 - In process and/or planning phase of multiple courses for the BS Communication Disorders program at AUM, including Neurophysiology and Voice & Craniofacial
 - SLP 620: Pediatric Feeding & Swallowing a MUSC

C. Special recognition for teaching

n/a

D. Academic service

a. On-campus (as committee member, administrator: chair/head, associate dean, graduate coordinator, etc.)

n/a

b. Off-campus (include speaking engagements)

- Barnes, C.K. (Mar 7, 2024). Feeding Characteristics of Hospitalized Infants Who Required Noninvasive Ventilation. Medical University of South Carolina Evelyn Trammell Institute for Voice and Swallowing Interdisciplinary Grand Rounds.
- Barnes, C.K. (Jan 26, 2024). Invited SLP Panelist. South Carolina Breastfeeding Coalition Annual Conference
- Barnes, C.K. & Saadi, R. (Nov 28, 2023). Systematic review of the impact of noninvasive respiratory support on oropharyngeal swallowing in pediatric and adult practice. Invited to present. Webinar for the Dysphagia Research Society Institute for Education
- Barnes, C.K. (Nov 9, 2023). Feeding Infants Who Require Noninvasive Ventilation: Preliminary retrospective and prospective data from an academic medical center. Medical University of South Carolina Evelyn Trammell Institute for Voice and Swallowing Interdisciplinary Grand Rounds.
- Barnes, C.K. (Jul 21, 2022). Feeding Infants Who Require Noninvasive Ventilation: What Do We Know & A Review of the Current Literature in Neonates. Medical University of South Carolina Evelyn Trammell Institute for Voice and Swallowing Interdisciplinary Grand Rounds.
- Barnes, C.K. (Feb 8, 2022). Invited Guest Lecturer in SLP:610. Development of the BaByVFSSImp². Medical University of South Carolina.

E. Other service

- MUSC M.S. SLP program applicant interviewer (Feb 2024)
- MUSC Interprofessional Day Facilitator (Jan 2024)
- MUSC Sleep Play Heal PICU QI Project – SLP data (Summer 2022 – Spring 2024)
- MUSC Sleep Play Heal PICU QI Project- Family Council (Spring 2022 – Spring 2024)
- MUSC M.S. SLP program applicant interviewer (Feb 2023)
- MUSC CARES Therapy Clinic – volunteer SLP (Apr 2021 – Feb 2022)
- MUSC M.S. SLP program applicant interviewer (Feb 2022)
- MUSC Interprofessional Day Facilitator (Jan 2022)

F. Completion of continuing education (title/CEUs date completed) (past 5 years)

- Various MUSC Grand Rounds; 2020-present
- UAB Difficult Cases SLP CEUs (June 3, 2024)
- DRS 2024 Annual Meeting (American Board of Swallowing and Swallowing Disorders)
- Society for Ear, Nose, and Throat Advancement in Children 2023 Annual Conference
- Building a Multidisciplinary Swallow Center (American Board of Swallowing and Swallowing Disorders); 11/30/2022
- Interpretation of VFSS of Infants and Children (Northern Speech Services); 10/31/2022
- Neuropathology of Feeding Problems in Children (American Board of Swallowing and Swallowing Disorders); 5/31/2022
- DRS 2022 Annual Meeting (American Board of Swallowing and Swallowing Disorders)
- The Importance of Clinical Education (Council of Academic Programs in Communication Sciences and Disorders); 2/28/2022
- The MBSImP: An Evidence-Based Protocol to Standardize Dysphagia (Northern Speech Services); 10/31/2021
- Developmental Physiology of Swallowing & Airway Protection (American Board of Swallowing and Swallowing Disorders); 10/26/2021
- MUSC Sponsored BaByVFSSImP Training; 9/11/2021
- Pediatric Dysphagia Grand Rounds: Interdisciplinary Mgmt of Complex Dysphagia (American Board of Swallowing and Swallowing Disorders); 6/15/2021
- DRS 2021 Annual Meeting (American Board of Swallowing and Swallowing Disorders); 3/12/2021

- 50th Annual Mid-South Conference on Communicative Disorders (NSSLHA Chapter at The University of Memphis); 3/6/2020
- ASHA Convention 2019

11. Other items of importance not found above

- 2 articles from dissertation work in preparation for submission to refereed journal
- ASHA Award for Continuing Education (ACE)
 - December 2023
 - March 2021