

Shelby Beckett & Margaret Harvey: Communication Dr. Ruth Renee Hannibal: Communication Scie **ABSTRACT: METHOD:** This research was approved by the Vald University Institutional Review Board. Participants Thirty community dwelling African Ameri ages 22-83 participated in the study. Hearing: To assess hearing, participants responde tones presented via an audiometer at 10 4000 Hz at 25db in both left and right ea their hands each time their heard the to Oral Mechanism Exam and Swallowing **INTRODUCTION/RESEARCH QUESTION** An oral peripheral examination was cond assess the structure and integrity of the To test swallowing participants were required mL of applesauce, pudding, mixed fruits a cracker and drink 3 oz. of water. and dece en. Smell: Participants completed the 4-item Nation and Nutrition Examination Survey (NHAI Smell Test by scratching off each scent which scent resembled the 4 choices give Taste: To assess if participants were supertaste tasters, or no tasters, they were required PROP taste strip in the anterior 2/3 of th and circle whether it tasted strongly bitte taste. This research was funded by the 20⁴ Summer Research Institute

Significant physiologic changes such as hearing, vision, smell, and taste occur in our bodies as a part of normal aging. While the literature is replete with information on normal aging changes, there is a paucity of literature on normal aging changes in the African American population, specifically, African American females. The purposes of this research were to investigate the aforementioned senses in community dwelling African American females in Valdosta/Lowndes areas and to engage undergraduate students in student-centered research. Swallowing is an intricate and complex sensorimotor task. Understanding the normal aspects of swallowing is a must for speech-language pathologists in order to diagnose what is physiologically wrong with a person's swallow and therefore, be able to develop a treatment plan to address those swallowing problems. "Smell determines the flavor of foods and beverages and provides an early warning system for detection of such hazards as fire, leaking natural gas, and spoiled food." (Hawkes & Doty, 2009). Williams et al (2016) explored ethnic differences in taste perception on different parts of the tongue. They found that there was no significant difference in taste responsiveness into PROP tasting. In order to address the paucity of literature concerning special senses in African American female, the following question was posed: Does swallowing, smell, and taste decline as age increases across the life span of African American community dwelling females?

S.A.F.E. TASTE & SMELL TRAINING FOR STUDENTS IN SPEECH LANGUAGE PATHOLOGY

n Sciences ar ences and Di	nd Disorders and Special Edu sorders and Special Educatio
dosta State	<u>Results/</u> <u>Hearing screening</u> : 26.7% failed, 73.3% passed
ican females	<u>Smell:</u> 23.3% failed, 76.7% passed
led to pure 000, 2000, ars by raising ne.	Vision screening: 3.3% failed, 93.3% passed, 3.3% PROP tasting: Strongly bitter = 20% Bitter = 33.3% No taste = 46.7%
ducted to oral cavity. uired to eat 5	<u>Lim</u> Small sample size
s, and a ¼ of	Cone ethnic group Limited time to collect data <u>Con</u> Results of the study revealed no on phases of the swallow
nal Health NES) Pocket and circling	Forty-six point seven were no tas super tasters. Seventy-six-point seven percent of Pocket Smell Test.
ven.	Refi
ers, medium d to place the ne tongue er, bitter, no	Hawkes, C.H., & Doty, R. L. (200 York: Cambridge University Press Williams, J.A., Bartoshuk, L.M., F
19 Blazer	Exploring ethnic differences in tas Chemical Senses 41, 444-456



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CLUSION

correlation of oral and pharyngeal

sters, 33.3% bitter tasters, and 20%

of participants passes the NHANES

ERENCES

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