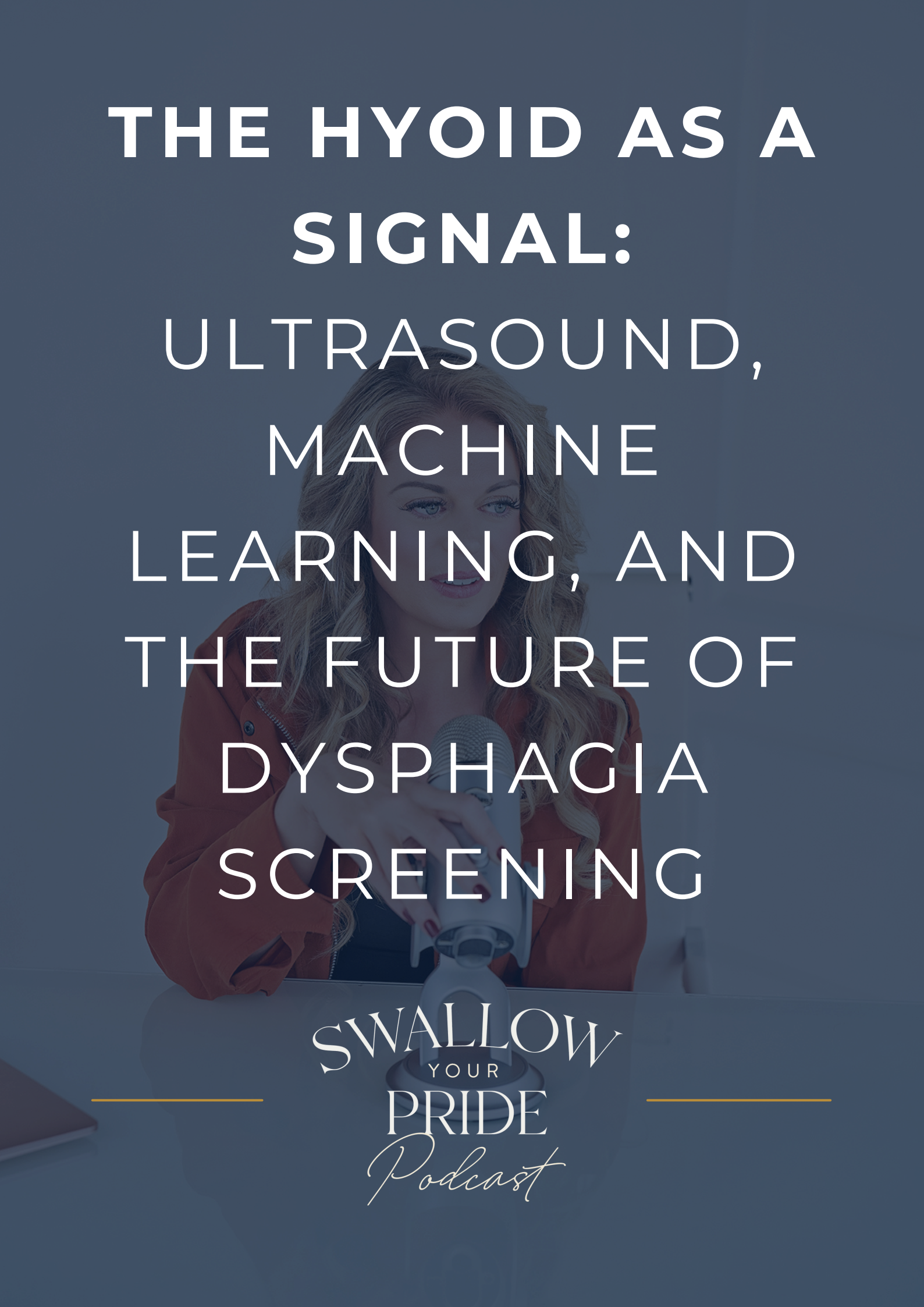
THE HYOID AS A SIGNAL: ULTRASOUND, MACHINE LEARNING, AND THE FUTURE OF DYSPHAGIA SCREENING



SWALLOW YOUR PRIDE Podcast

Brittany Krekeler
PhD, CCC-SLP

Dr. Brittany Krekeler, PhD, CCC-SLP, an associate professor at the University of Cincinnati. She holds a primary appointment in Otolaryngology–Head and Neck Surgery, with additional appointments in Neurology and Rehabilitation Medicine, Communication Sciences and Disorders, and Biomedical Engineering. Her NIH-funded research focuses on advancing dysphagia assessment and rehabilitation, particularly after stroke, through exercise-based treatment, swallowing imaging, and innovative ultrasound technologies.

Maria Hardesty
MS, CCC-SLP

Maria Hardesty is a certified Speech Language Pathologist (CCC-SLP) and clinical research coordinator for the Dysphagia Rehab Lab. She received her Bachelors in Health Sciences from Sacred Heart University and her Masters degree in Speech Language Pathology from Purdue University. Maria has over 7 years experience working with dysphagia management, primarily in the acute care setting and mobile modified barium swallow studies.

Nicholas Schoenleb
Doctoral Student, University of Cincinnati. B.S Biomedical Engineering

Nicolas Schoenleb is a PhD student in Biomedical Engineering from the University of Cincinnati. His research focuses on applications for ultrasound within dysphagia assessment and treatment, with particular focuses in kinematic analysis, medical imaging processing, and real-time biofeedback. His previous experience includes applications of ultrasound for speech remediation.

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