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Multimodality imaging of the diagnostic patient: The efficacy of diagnostic imaging

Tanya W Moseley
University of Texas MD Anderson Cancer Center, USA

In this presentation, Dr Moseley considers the work of Fryback and Thornbury and challenges radiologists to rethink their contribution to diagnostic workup of patients. She uses Fryback and Thornbury's hierarchal model of efficacy to shed new light on the technical quality of images; the interpretation of imaging with regards to diagnostic accuracy, sensitivity, and specificity; diagnostic thinking; patient care management planning; patient outcomes; and societal costs and benefits.

Biography

Tanya W Moseley, MD has distinguished herself as a top-notch radiologist, clinician, educator, researcher, and leader in her field. She is a world-class teacher of undergraduates, residents, fellows, medical students, and breast imaging technologists. She has supervised and trained numerous visiting scientists, residents, and fellows over the past 20 years. She is a former Fellowship Director of Breast Imaging and developed an outstanding Breast Ultrasound Course at MD Anderson Cancer Center in Houston, Texas. In 2017 she received the University of Texas Regents' Outstanding Teaching Award. She is the past Breast Section Program Chair and Breast Section Course Director of the American Roentgen Ray Society (ARRS) Case-Based Imaging Review Breast Section. She lectures all over the world and is known for simplifying the complex. She received her Doctorate of Medicine with Honors at the University of Iowa College of Medicine in Iowa City, Iowa. She entered a Clinical Residency in Diagnostic Radiology at the Mayo Clinic Graduate School of Medicine in Rochester, Minnesota, and continued on at the Mayo Clinic in a Clinical Fellowship in Mammography and Thoracic Imaging. After completing her fellowship, she joined Mayo Clinic as a Senior Associate Consultant, and then joined the Division of Diagnostic Imaging at MD Anderson Cancer Center. She is presently a Professor of Diagnostic Radiology and Breast Surgical Oncology at MD Anderson.

tstephens@mdanderson.org

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