

4th World Congress on

Medical Imaging and Clinical Research

September 03-04, 2018 | London, UK

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

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In this presentation, the author 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 hierarchical 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 Moseley received her Doctorate of Medicine with Honors at the University of Iowa College of Medicine in Iowa City, Iowa (USA). She entered a Clinical Residency in Diagnostic Radiology at the Mayo Clinic Graduate School of Medicine in Rochester, Minnesota, and continued on at the same clinic in a Clinical Fellowship in mammography and thoracic imaging. After completing her fellowship, she joined the 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; former Fellowship Director of Breast Imaging and developed an outstanding Breast Ultrasound Course at the same center respectively. She has distinguished herself as a top-notch Radiologist, Clinician, Educator, Researcher, and Leader in her field. She is a world-class teacher to undergraduates, residents, fellows, medical students, and breast imaging technologists having supervised and trained numerous visiting scientists, residents, and fellows over the past 20 years. She received the 2017 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.

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