RSNA 2017
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UR209-ED-X

Essentials for Establishing a Successful MR-US Fusion Biopsy Program

All Day Room: NA Digital Education Exhibit

Participants
William R. Winter, MD, PhD, Nashville, TN (*Presenter*) Nothing to Disclose
Samuel J. Pevzner, MD, PhD, Nashville, TN (*Abstract Co-Author*) Nothing to Disclose
Karthik M. Sundaram, MD, PhD, Nashville, TN (*Abstract Co-Author*) Nothing to Disclose
David Penson I, MD, Nashville, TN (*Abstract Co-Author*) Nothing to Disclose
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TEACHING POINTS

After reviewing our exhibit, the radiologist will be able to: 1. Understand practical aspects of PI-RADS v2 and SAR-AUA guidelines. 2. Examine evidence supporting the ability of prostate MRI to detect cancer and evaluate the accuracy of MR/US fusion prostate biopsy in literature. 3. Implement a prostate MRI QA program.

TABLE OF CONTENTS/OUTLINE

1. Review PI-RADS v2 recommendations for multiparametric MRI (mpMRI) with a focus on the technical specifications, caveats and practical aspects with examples. 2. Evaluate literature supporting the ability of prostate mpMRI to detect clinically significant prostate cancer. 3. Review SAR/AUA prostate MRI and targeted biopsy guidelines. 4. Review the level of evidence supporting the efficacy of MR/US fusion biopsy, with particular focus on device types and the differences in efficacy between targeted, random or combined biopsy. 5. Describe implementation of a quality assurance program with integrated continued medical education.