Prostate MRI
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Objectives:

1. To gain an understanding of sequences comprising multi-parametric (mp) prostate MRI, important aspects of MRI interpretation, and potential pitfalls in interpretation.
2. Discuss standardised reporting for Prostate MRI
3. Discuss evolving role of mp-MRI of Prostate in management of prostate cancer.

Multiparametric-magnetic resonance imaging (mp-MRI) has shown promising results in diagnosis, localization, risk stratification and staging of clinically significant prostate cancer (PCa). It has also opened up opportunities for focal treatment of prostate cancer. Mp-MRI includes combinations of T2 imaging, diffusion imaging, perfusion and spectroscopic imaging for assessment of PCa, but T2 morphologic assessment and functional assessment by diffusion imaging remain the mainstay for prostate cancer diagnosis on mp-MRI. Because assessment on mp-MRI can be subjective, use of the newly developed standardized reporting PI-RADS (Prostate Imaging and Reporting Archiving Data System) scoring system and education of specialist radiologists are essential for accurate interpretation. This review focuses on the present status of mp-MRI in prostate cancer and its evolving role in management of prostate cancer.
References


