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Variable imaging of prostate cancer: focused on MR imaging

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Prostate cancer is one of the most common malignancies in men and also one of the major causes of cancer-related death in the world. The use of prostate specific antigen (PSA) makes detection of prostate cancer with earlier stage than before, so the paradigm for the diagnosis and treatment of prostate cancer has been challenged. The goal of treating malignancy should be to maximize cancer control and minimize adverse effects. So precise characterization and staging of malignancies are essential and proper treatment modality should be chosen. Variable imaging modalities play critical roles in staging the prostate cancer. But there are controversies about the exact indications, sensitivities and specificities of imaging modalities including computed tomography, ultrasound, nuclear medicine and magnetic resonance (MR) imaging. In this exhibition, we reviewed the imaging findings of prostate cancer in variable imaging modalities focused on MR imaging and summarized the recommendations for imaging of prostate cancer.