SAR Prostate DFP – Teaching Case of the Week 7/4/16 ACTIVE SURVEILLANCE CANDIDACY & UPGRADING

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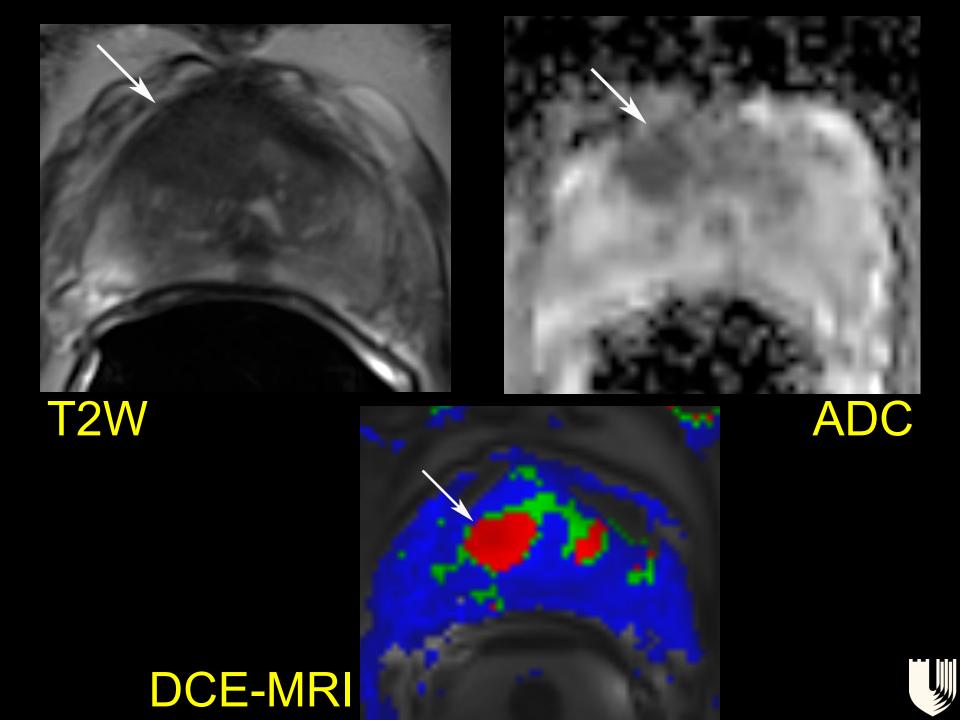
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History

- 68 year old M
- ► PSA increased: 3 ng/mL → 5.2 ng/mL
- Prior TRUS-guided biopsy
 - Gleason 3+3=6 in 3/12 cores on right and left base and left apex
- Presents to Duke for mpMRI and evaluation of possible active surveillance candidacy





MRI Interpretation

- Focus of low T2 signal in the anterior right transition and peripheral zones crossing the midline at the level of the mid-gland with broad based abutment along the anterior fibromuscular stroma
- Corresponding area of low ADC value
 - Degree of restricted diffusion suggests high grade component of tumor
- Suspicious perfusion kinetics
- PI-RADS 5



Next Steps

- Patient elected to undergo radical prostatectomy
 - Final pathology: Gleason 3+4=7
 - Stage pT3a with EPE at the lateral right mid gland and apex and bladder neck



Teaching Points

- mpMRI used to assess if active surveillance (AS) patients are and if they remain candidates for AS
- In this case, mpMRI revealed higher grade disease than on TRUS-guided biopsy necessitating AS discontinuation and more definitive treatment
- For more information:

Holtz JN, Tay KJ, Polascik TJ, Gupta RT. Integration of multiparametric MRI into active surveillance of prostate cancer. Future Oncology 2016 Jun 20. [Epub ahead of print] (PMID: 27322161)



SAR Prostate DFP – Teaching Case of the Week 6/27/16 THANK YOU

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