MR Guided Focal Laser Ablation

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63 y PSA 6.7, Biopsy showed 3+4 cancer in Right Mid PZ
MR guided Focal Laser ablation of the Right Mid PZ Cancer

Needle in place

Immediate post-ablation post contrast images show the ablation defect at the site of cancer
Post-ablation changes at the site of ablation

3 month follow-up
1-year follow-up- no cancer at the ablation site
Post-ablation changes in Right Mid PZ
5 year follow-up, no cancer at the ablation site

Post FLA changes with focal atrophy
TAKE HOME POINTS

- Focal therapy is an emerging paradigm
- Goal is to eradicate cancer while minimizing complications
- Can help a large number of patients
- Focal laser Ablation can be offered as standard of care
- Should target patients who would otherwise need whole gland treatment – not replace Active Surveillance
- Important for radiologists to be involved in imaging or ablation