

# Localized Treatment of Prostate Cancer and Salvage Radical Prostatectomy

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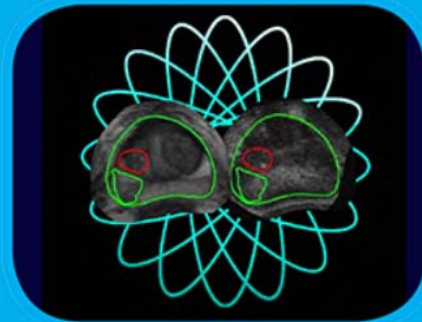
# Focal Treatments

- Focal treatment for prostate cancer targets areas where prostate cancer is located based on biopsy
- Types of local treatment:
  - Cryotherapy (freezing)
  - HIFU (high intensity focused ultrasound)

# HIFU

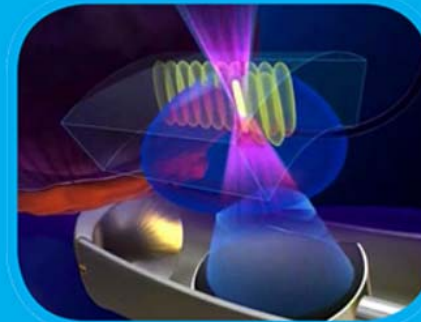
## 1. AIM

at specific tissue using ultrasound-MR fusion.

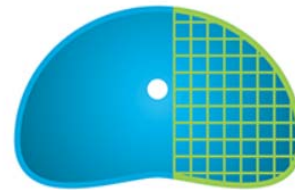


## 2. ABLATE

with pinpoint accuracy while sparing untargeted tissue.



Focal



Hemi Gland

# HIFU Study

- Single center prospective study
- 75 men (April 2014-April 2018)
- Saturation biopsy performed
- 93% had intermediate cancer

# HIFU Study

- Follow up at 6 weeks, 3 months
- 6 month re-biopsy
- 68 patients underwent re-biopsy with a median of 44 cores taken
- Clinically significant cancer detected in 28 of 68 patients (41.2%)

# HIFU Study

- HIFU leads to a low rate of GU side effects
- PSA and mpMRI performed poorly at predicting recurrence
- Follow up biopsy of the treated and untreated prostate identified a substantial number of men with clinically significant prostate cancer
- Biopsy is the only modality to adequately select patients in need of early salvage treatment

# HIFU Study – Salvage Prostatectomy

- 6 of 68 patients underwent salvage prostatectomy
- Extraprostatic extension in 4/6 pts (67%)
- Upgrading to Gleason 8 or 9 in 2/6 (33%)
- All 6 patients had negative nodes
- 2 pts with extraprostatic extension had biochemical recurrence at 27 months and 15 months

# Salvage Radical Prostatectomy

- Definition: Removal of the prostate after primary treatment was local therapy, radiation therapy, or ADT
- When is it done?
  - Rising PSA
  - Repeat biopsy shows local cancer progression
  - Cancer localized to the prostate (negative bone scan, CT scan, prostate MRI, and/or PET scan)
  - Patient is a surgical candidate and >10 years life expectancy



# Salvage Radical Prostatectomy

- More than 25% of newly diagnosed men choose treatment other than surgery (radiotherapy, brachtherapy)
- 30% will have BCR at 5 years and 60% will have BCR at 10 years
- 90% of the men with BCR are treated with ADT

# Salvage Radical Prostatectomy

- Results similar to primary RP
- 18 centers Feb 2000 to Oct 2016
- 395 cases (186 open, 209 robot)
- Continence at 6 and 12 months:
  - 63.9% sRALP vs 49.2% sRRP
  - Primary surgery 80-90% of men are continent at 12 mo