PROSTATE CANCER TREATMENT PLAN

Hormone Therapy + EBRT + Brachytherapy









Next 5 Weeks

5 WEEKS DAILY

RADIATION THERAPY



6

4 Weeks Later

HORMONE THERAPY

(Hormone Therapy)

- Given by Dr.
- Duration
- Hot flashes, low libido
- Decreased testosterone
- Risks discussed with urologist

PROSTATE MARKERS

(Fiducials)

- Inserted by Dr.
- For targeting the prostate

Rectal Spacer \square Yes \square No

CT SCAN

- For precise radiation planning
- Scheduled by The Prostate Center after review of instructions by the radiation therapist

- 10 minutes per visit
- 5 days per week
- 25 treatments
- IGRT (image guided radiation therapy)
- IMRT (intensity modulated radiation therapy)

BRACHYTHERAPY

1 to 6 Weeks Later

(Radioactive Seed Implant)

- 45 minutes
- Outpatient with sedation
- Urinary catheter overnight
- Radiation safety precautions
- lodine seeds
- Takes place at Summit Brachytherapy ASC: St. Agnes Hospital campus, Angelos Pavilion, 2nd floor, 3407 Wilkens Ave., Balt., MD 21229

CT SCAN

 4 weeks later a CT scan is done to check seed placement and create a plan to calculate dose received by the prostate

DURING THE COURSE OF RADIATION THERAPY & SEED IMPLANT COMMON SHORT TERM SIDE EFFECTS INCLUDE:

- Bothersome urination symptoms (such as slow flow, frequency, urgency, and burning)
- Change of bowel habits (such as frequent, loose, or urgent)
- Tiredness

AFTER RADIATION THERAPY & SEED IMPLANT POSSIBLE LONG TERM SIDE EFFECTS INCLUDE:

- Bothersome urination symptoms
- Incontinence (inability to control urination or bowel habits)
- Rectal bleeding or even fistula (radiation proctitis)
- Sexual problems (impotency, inability to ejaculate)
- Secondary cancers (remote risk; could occur in the bladder or rectum)

Chesapeake UROLOGY*

CHESAPEAKE UROLOGY PROSTATE CENTER

The Prostate Center at Quarry Lake 2800 Quarry Lake Dr. Ste 180 Baltimore, MD 21209 | 443-738-9393

Radiation Oncologists:

Robert Brookland, MD, FACR, FACRO Sylwester Dziuba, MD Richard Hudes, MD, FACR Geoffrey Neuner, MD Kruti Patel, MD

^{*}This is not a comprehensive list and other possible risks of treatment will be reviewed by your physician

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EBRT (External Beam Radiation Therapy) for prostate cancer uses high-energy beams generated by a machine called a linear accelerator that pinpoints the beams to your prostate gland with techniques called IGRT (image guided radiation) & IMRT (intensity modulated radiation).

EBRT for prostate cancer kills cancer cells by destroying the genetic material that controls how cells grow and divide. Healthy cells in the beam's path also are affected by external beam radiation therapy which can result in side effects.

Brachytherapy - (also called a seed implant) is a treatment using radioactive seeds placed directly inside of the prostate gland during a 45 minute outpatient procedure. This treatment is sometimes used alone for low risk patients or combined with five weeks of IG-IMRT for patients with higher risk prostate cancers. Most often, a permanent radioactive seed is used and this is referred to as LDR, or low dose rate brachytherapy. Some centers also use temporary HDR, or high dose rate brachytherapy, which requires either hospitalization or up to two separate procedures.





