PROSTATE CANCER TREATMENT PLAN

Hormone Therapy + Brachytherapy + EBRT

1

HORMONE THERAPY
(Hormone Therapy)

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

2

CT SCAN

- Create a dry run radiation plan
- Plan used to order number & strength of seeds
- Requires pre-op testing within 30 days
- Requires clean-out prep similar to colonoscopy

3

1-6 Weeks Later

BRACHYTHERAPY
(Radioactive Seed Implant)

- 45 minutes
- Outpatient with sedation
- Urinary catheter overnight
- Radiation safety precautions
- Iodine seeds
- Rectal Spacer ☐ Yes ☐ No
- Takes place at Summit Brachytherapy ASC: St. Agnes Hospital campus, Angelos Pavilion, 2nd floor, 3407 Wilkens Ave., Baltimore, MD 21229

4

Next 5 Weeks

5 WEEKS DAILY RADIATION THERAPY

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

5

4 Weeks Later

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

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

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)

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

Chesapeake UROLOGY®

CHESAPEAKE UROLOGY PROSTATE CENTER

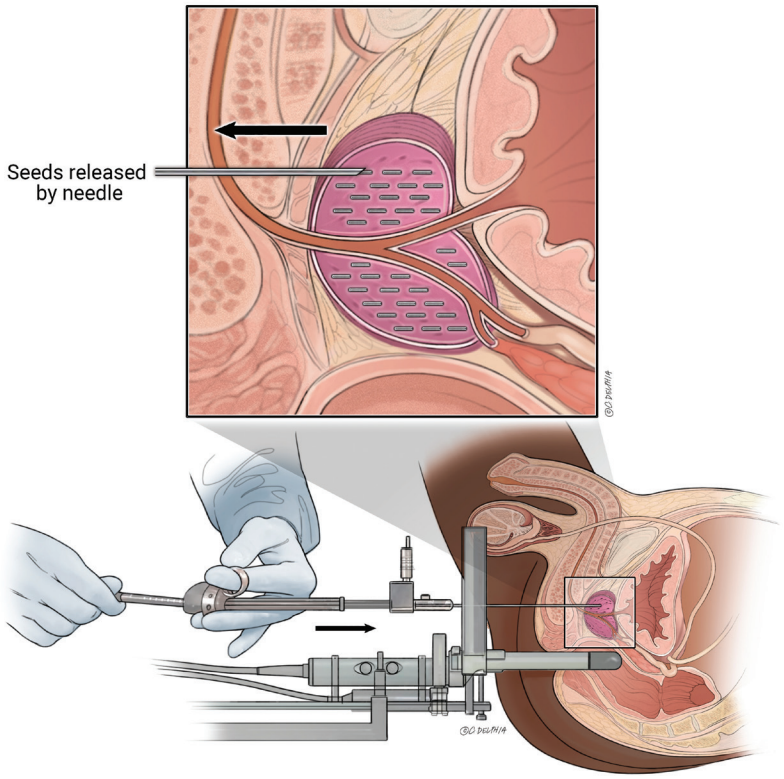
The Prostate Center at Quarry Lake
2800 Quarry Lake Dr. Ste 180
Baltimore, MD 21209 | 443-738-9393

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

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.



Chesapeake UROLOGY | CHESAPEAKE UROLOGY PROSTATE CENTER

Summit BRACHYTHERAPY

chesapeakeurology.com