



Prostate Treatment

PRESENTED BY LORI SOMERS, RN

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CANCER REGISTRY

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Active Surveillance

Small tumors ~ slow growth

Found on PSA screening

Incidental finding in BPH treatment

NCCN advises in younger male with slow-growing disease and likely to live more than 10 years.

Noteworthy: Observation is recommended if expected to live less than 10 years.

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Surgical Treatment

Radical prostatectomy

- Open
- Radical retropubic
- Radical perineal
- Laparoscopic radical
- Robotic-assisted

Pelvic lymph node dissection (PLND)

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Code	Surgery
20	Local tumor excision 21 – TURP NOS 22 – TURP – incidental finding for benign disease 23 – TURP – suspected/known cancer
	Any combo of 20-23 WITH 24 Cryosurgery 25 Laser 26 Hyperthermia
30	Subtotal, segmental or simple prostatectomy, may leave capsule intact. [SEER NOTE: May include suprapubic prostatectomy]
50	Radical prostatectomy, NOS; total prostatectomy, NOS Includes excision of prostate, prostatic capsule, ejaculatory ducts, seminal vesicle(s); and may include a narrow cuff of bladder neck.
70	Prostatectomy WITH resection in continuity with other organs; pelvic exenteration. [SEER NOTE: “in continuity with” or “en bloc” means all tissue removed during same procedure, not just single specimen]
80	Prostatectomy NOS

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Radiation Therapy

EBRT most often

- ADT (androgen deprivation therapy) given with EBRT

3D-CRT (three dimensional conformal radiation therapy)

- IMRT precise type of 3D-CRT

Brachytherapy

- LDR Brachytherapy - seeds
- HDR Brachytherapy – tubes into prostate gland and high dose delivered through needles into prostate

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Radiation Treatment Modality Phase I, II, III

- Identify radiation modality administered during first, second and third phase of radiation

- First course only

Code	Description
00	No radiation treatment
01	External beam, NOS
02	External beam, photons
03	External beam, protons
04	External beam, electrons
05	External beam, neutrons
06	External beam, carbon ions
07	Brachytherapy, NOS
08	Brachytherapy, intracavitary, LDR
09	Brachytherapy, intracavitary, HDR
10	Brachytherapy, interstitial, LDR
11	Brachytherapy, interstitial, HDR
12	Brachytherapy, electronic
13	Radioisotopes, NOS
14	Radioisotopes, radium-232
15	Radioisotopes, strontium-89
16	Radioisotopes, strontium-90
98	Radiation therapy administered, but treatment modality is not specified or unknown
99	Unknown if radiation treatment administered

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Cryosurgery

Option if radiation therapy fails

Freezes prostate tumors

Outpatient

- Tiny needles inserted into prostate through perineum
- Argon gas flows through needles and freezes prostate, killing cancer cells

No specimen sent to pathology from surgical events 10–17

[**SEER Note:** Assign **code 15** for Niagara laser photovaporization of the prostate. Assign **code 16** for Transurethral Microwave Thermotherapy (TUMT). Assign **code 17** for High Intensity Focused Ultrasonography (HIFU) and for Transurethral Needle Ablation (TUNA).]

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Hormone Therapy

Bilat orchiectomy (coded in Heme Transplant & Endocrine Proc) #3250

LHRH

LHRH antagonists

Antiandrogens

Estrogens

Corticosteroids

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Immunotherapy

Sipuleucel-T uses WBC to destroy prostate cancer cells

Pembrolizumab approved with certain DNA changes, i.e. MSI-H or MMR

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Chemotherapy

Docetaxel

Cabazitaxel if docetaxel fails

Mitoxantrone

Cisplatin, Carboplatin

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Radiopharmaceuticals

Radium-223 to treat prostate ca with bone mets

Lutetium-177 attaches to prostate cells anywhere in body if cells have PSMA on cell surface

^{89}Sr and ^{153}Sm relieve pain cause by bone mets

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Others

Clinical Trials

Cryosurgery or high-intensity focused ultrasound

Vascular-targeted photodynamic therapy – VTP

SEER*Rx

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Neoadjuvant Therapy

Hormones: Lupron before surgery

Radiation therapy with Hormone before surgery

NADT (Neoadjuvant androgen deprivation therapy)

- Given prior to RP

Uncommon – some clinical trials

FORUM POST re Bridge Therapy: <https://cancerbulletin.facs.org/forums/forum/site-specific-data-items-grade-2018/116187-covid-and-bridge-response#post116199>

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Questions?

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