

PROSTATE CANCER TREATMENT REGIMENS (Part 1 of 2)

Clinical Trials: The NCCN recommends cancer patient participation in clinical trials as the gold standard for treatment.

Cancer therapy selection, dosing, administration, and the management of related adverse events can be a complex process that should be handled by an experienced healthcare team. Clinicians must choose and verify treatment options based on the individual patient; drug dose modifications and supportive care interventions should be administered accordingly. The cancer treatment regimens below may include both U.S. Food and Drug Administration-approved and unapproved indications/regimens. These regimens are only provided to supplement the latest treatment strategies.

These Guidelines are a work in progress that may be refined as often as new significant data becomes available. The NCCN Guidelines® are a consensus statement of its authors regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult any NCCN Guidelines® is expected to use independent medical judgment in the context of individual clinical circumstances to determine any patient's care or treatment. The National Comprehensive Cancer Network makes no warranties of any kind whatsoever regarding their content, use, or application and disclaims any responsibility for their application or use in any way.

Castration-Resistant Prostate Cancer¹

First-Line Therapy¹

Note: All recommendations are Category 2A unless otherwise indicated.

No Visceral Metastases

REGIMEN	DOSING
Enzalutamide (Category 1)^{2,3}	Enzalutamide 160mg/day orally without regard to food intake; with or without prednisone.
Abiraterone acetate + prednisone (Category 1)^{4,6}	Abiraterone 1,000mg orally once daily, plus prednisone 5mg orally twice daily on an empty stomach.
Docetaxel + prednisone (Category 1)^{7,8}	Day 1: Docetaxel 75mg/m ² IV once every 3 weeks + prednisone 5mg orally twice daily. Repeat for up to 10 cycles if tolerated.
Radium-223 (for symptomatic bone metastases) (Category 1)⁹	Radium-223 50kBq/kg every 4 weeks for 6 injections.

Visceral Metastases

Docetaxel + prednisone (Category 1)^{7,8}	Day 1: Docetaxel 75mg/m ² IV once every 3 weeks + prednisone 5mg orally twice daily. Repeat for up to 10 cycles if tolerated.
Enzalutamide (Category 1)^{2,3}	Enzalutamide 160mg/day orally without regard to food intake; with or without prednisone.
Abiraterone acetate + prednisone^{4,6}	Abiraterone 1,000mg orally once daily, plus prednisone 5mg orally twice daily on an empty stomach.
Mitoxantrone⁷	Day 1: Mitoxantrone 12mg/m ² IV every 3 weeks + prednisone 10mg orally daily or 5mg twice daily. Repeat for up to 10 cycles if tolerated.

Subsequent Therapy¹

No Visceral Metastases

Prior Therapy Enzalutamide/Abiraterone

Docetaxel + prednisone (Category 1)^{7,8}	Day 1: Docetaxel 75mg/m ² IV once every 3 weeks + prednisone 5mg orally twice daily. Repeat for up to 10 cycles if tolerated.
Abiraterone acetate + prednisone^{4,6}	Abiraterone 1,000mg orally once daily, plus prednisone 5mg orally twice daily on an empty stomach.
Enzalutamide^{2,3}	Enzalutamide 160mg/day orally without regard to food intake; with or without prednisone.
Radium-223 (if bone predominant disease) (Category 1)⁹	Radium-223 50kBq/kg every 4 weeks for 6 injections.
Sipuleucel-T^{10*}	Sipuleucel-T three complete doses (50 million autologous CD54+ cells), given at 2-week intervals (range 1-15 weeks).

Prior Therapy Docetaxel

Enzalutamide (Category 1)^{2,3}	Enzalutamide 160mg/day orally without regard to food intake; with or without prednisone.
Abiraterone acetate + prednisone (Category 1)^{4,6}	Abiraterone 1,000mg orally once daily, plus prednisone 5mg orally twice daily on an empty stomach.
Radium-223 (if bone predominant disease) (Category 1)⁹	Radium-223 50kBq/kg every 4 weeks for 6 injections.
Cabazitaxel + prednisone (Category 1)¹¹⁻¹³	Day 1: Cabazitaxel 25mg/m ² IV every 3 weeks + prednisone 10mg orally daily or 5mg twice daily throughout cabazitaxel treatment. Repeat for up to 10 cycles if tolerated.
Sipuleucel-T^{10*}	Sipuleucel-T three complete doses (50 million autologous CD54+ cells), given at 2-week intervals (range 1-15 weeks).

continued

PROSTATE CANCER TREATMENT REGIMENS (Part 2 of 2)

Castration-Resistant Prostate Cancer¹ (continued)

Subsequent Therapy¹ (continued)

No Visceral Metastases (continued)

Prior Therapy Docetaxel (continued)

REGIMEN	DOSING
Docetaxel rechallenge ^{7,8}	Day 1: Docetaxel 75mg/m ² IV once every 3 weeks + prednisone 5mg orally twice daily. Repeat for up to 10 cycles if tolerated.
Mitoxantrone ^{7,12}	Day 1: Mitoxantrone 12mg/m ² IV every 3 weeks + prednisone 10mg orally daily or 5mg twice daily. Repeat for up to 10 cycles if tolerated.

Visceral Metastases

Prior Therapy Enzalutamide/Abiraterone

Docetaxel + prednisone (Category 1) ^{7,8}	Day 1: Docetaxel 75mg/m ² IV once every 3 weeks + prednisone 5mg orally twice daily. Repeat for up to 10 cycles if tolerated.
Abiraterone acetate + prednisone ⁴⁻⁶	Abiraterone 1,000mg orally once daily, plus prednisone 5mg orally twice daily on an empty stomach.
Enzalutamide ^{2,3}	Enzalutamide 160mg/day orally without regard to food intake; with or without prednisone.

Prior Therapy Docetaxel

Enzalutamide (Category 1) ^{2,3}	Enzalutamide 160mg/day orally without regard to food intake; with or without prednisone.
Abiraterone acetate + prednisone (Category 1) ⁴⁻⁶	Abiraterone 1,000mg orally once daily, plus prednisone 5mg orally twice daily on an empty stomach.
Cabazitaxel + prednisone (Category 1) ¹¹⁻¹³	Day 1: Cabazitaxel 25mg/m ² IV every 3 weeks + prednisone 10mg orally daily or 5mg twice daily throughout cabazitaxel treatment. Repeat for up to 10 cycles if tolerated.
Docetaxel rechallenge ^{7,8}	Day 1: Docetaxel 75mg/m ² IV once every 3 weeks + prednisone 5mg orally twice daily. Repeat for up to 10 cycles if tolerated.
Mitoxantrone ^{7,12}	Day 1: Mitoxantrone 12mg/m ² IV every 3 weeks + prednisone 10mg orally daily or 5mg twice daily. Repeat for up to 10 cycles if tolerated.

General treatment notes:

- Encourage men with advanced prostate cancer to participate in clinical trials and refer early to a medical oncologist.
- Reserve systemic chemotherapy for men with castration-resistant metastatic prostate cancer except when enrolled in a clinical trial.
- Secondary hormone therapy (eg, antiandrogens, antiandrogen withdrawal, ketoconazole, corticosteroids) is also an option for patients with castration-resistant prostate cancer.

* The maximum dosing interval has not been established.⁴

References

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