

Casteration Resistant Prostate Cancer (CRPC)

by

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RADIATION ONCOLOGIST

CASE PRESENTATION

- 68 yr old patient
- RP : 6 years ago(PSA 6)
- PSA rising during 1 yr ago
- Present PSA: 4.5
- WBBS: nl
- Abdominopelvic CT: nl
- No metastatic bone pain

Next step ?

- Check testosterone level ?
- PET scan?
- Chest CT ?
- Pelvic MRI ?
- Prostate bed biopsy ?

- Pelvic MRI : nl
- Chest CT ; nl

- What is the next step :
- Observation
- ADT(immediate)
- ADT (delayed)
- Pelvic xRt
- ADT + abiraterone
- ADT + enzalutamide
- ADT + pelvic xRt
- ADT + docetaxel
- ADT + denosumab or Zometa

- Pelvic xRt was done
- GNRH agonist(ADT) started
- After 6 mo PSA : 0.1
- After 24 mo PSA : 1
- after 36 mo PSA:2.5
- No bone pain

Next step?

- Mts evaluation ?
- Observation ?
- Abiraterone?
- Enzalutamide?
- Docetaxel?
- Bicalutamide?

- The patient put under close observation
- After 2 years PSA : 6
- Bone scan showed new metastatic lesions
- No bone pain

The next step:

- Bone biopsy?
- Testosterone level ?
- PSADT?
- Abdominopelvic CT scan?
- PET CT ?

Next treatment?

- Observation?
- Denosumab -zoledronic acid ?
- Palliative xRt ?
- Novel HT ?
- Docetaxel ?
- Radiom223 ?
- Bicalutamide ?

- Zolendronic acid + bicalutamide was started
- After 6 mo PSA :2
- After 12 mo PSA : 4.5

Next step ?

- Continue bicalutamide?
- Enzalutamide ?
- Abiraterone ?
- Docetaxel?
- Cabazitaxel ?
- Mitoxantrone ?

- Abiraterone 1000 + prednisolone 10 started
- After 6 mo PSA : 0.7
- After 9 mo PSA : 7.5
- New bone pain in lumbar
- next step ?
- Palliative xRt?
- Change HT?
- Docetaxel?

Next step ?

- Docetaxel started
- After 6 courses PSA : 1.5
- No bone pain

Next step

- Continue docetaxel ?
- Enzalutamide ?

Newer agents

- Apalutamide
- Darolutamide
- Rucaparib (BRCA1-2)
- Olaparib (HRRm)
- Pembrolizumab (MSI-H)