

What's New in Advanced Disease (CRPC)?

~ Matthew Rettig, MD



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Studies on Prostatic Cancer

I. The Effect of Castration, of Estrogen and of Androgen Injection on Serum Phosphatases in Metastatic Carcinoma of the Prostate[®]

Charles Huggins, M.D., and Clarence V. Hodges, M.D. (Prov the Department of Surgery, the University of Chicago, Chicago, Illinoid (Received for publication March 22, 1941)

Beatson, G. T.: On the Treatment of Inoperable Cases of Carcinoma of the Mamma: Suggestions for a new Method of Treatment with Illustrative Cases. Lancet, ii:104, 1896.

Huggins and Hormone Therapy

CHARLES HUGGINS

Endocrine-induced regression of cancers Nobel Lecture, December 13, 1966

Charles Huggins, M.D. (1901-1997)



"We wanted to see if hormone therapy would do for elderly gentlemen what it would do for their best friends, elderly male dogs."

The first series of patients with prostatic cancer treated by orchiectomy⁴⁴ comprised 21 patients with far advanced metastases; only 4 of them survived for more than 12 years. Despite regressions of great magnitude, it is obvious that there were many failures of endocrine therapy to control the disease but; on the whole, the life span had been extended by the novel treatments and there had been a decrease of man-pain hours.

First recognition of CRPC.









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Abiraterone Phase 2 CRPC: Chemo-Naive

- 27/44 (61%) have durable PSA declines ≥ 50%.
- 11/44 (25%) had ≥ 90% PSA decline.
- 21 patients with measurable disease.
 14/21 pts with objective partial response.
 7/21 pts with stable disease > 3 months.

Abiraterone Phase 2 CRPC: Post-Docetaxel

- 14/28 patients with ≥ 50% PSA decline.
 Median time to PSA progession ~ 6 months.
- 4/18 pts with measurable disease had PR.

Phase 3 Study of Abiraterone: (post-chemotherapy metastatic CRPC)

- Multinational, phase 3, placebo-controlled, double-blind study in patients with metastatic CRPC with progression after docetaxel-based chemotherapy.
 - 175 centers, 1158 patients.
- Randomization allocation 2:1. (abiraterone:placebo).
 All patients receive prednisone 5 mg po bid.
- Primary endpoint = Overall Survival.
- Accrual completed.

Phase 3 Study of Abiraterone: (pre-chemotherapy metastatic CRPC)

- Multinational, phase 3, placebo-controlled, double-blind study in asymptomatic or minimally symptomatic patients with metastatic CRPC who are chemotherapy naive.
- Primary endpoint = Progression-Free Survival.
- First patient enrolled in 2009.

