[Salvage hormonal therapy against recurrence after curative external beam radiotherapy for locally advanced prostate cancer at Kyoto University Hospital].

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Abstract
Fifty-three patients with biochemical relapse (BCR) after receiving external beam radiotherapy (EBRT) against locally advanced prostate cancer (stage III: International Union Against Cancer [UICC] 6th edition) between September 1997 and January 2006 at our institution, who were treated with salvage hormonal therapy (HTx), were followed for a mean period of 75.5 months. There was progression to castration resistant prostate cancer (CRPC) during the follow-up period in 17 patients (32.0%). The median time to CRPC after initial HTx was 17 months. Univariate analysis revealed that time to BCR after EBRT was significantly associated with progression to CRPC (p = 0.022), while PSA-doubling time just before salvage HTx was marginally associated with irradiation dose (p = 0.088, p = 0.128 respectively). Multivariate analysis showed that time to BCR after EBRT was the only significant predictor of progression to CRPC (p = 0.035, Hazard ratio = 0.252, 95% confidence interval; 0.070-0.905) conclusion, time to BCR after EBRT against locally advanced prostate cancer.

PMID: 23254783 [PubMed - in process]