No histological difference was found between cases of BPH. Of the cases of BPH, 7.1% had elevated PAP levels of more than 3.0 ng/ml. The mean PAP level was 5.4 ng/ml, and the maximum level was 18.8 ng/ml. It was noted that urinary retention was seen at the first visit in as many as 22 of the 45 cases (50%) and that the mean weight of the excised adenoma was 38.9 g, two times heavier than that in PAP-normal BPH cases. No histological difference was found between the PAP-elevated and PAP-normal BPH cases.

The classification employed in this study by us is an useful and reliable one for the evaluation and the estimation of prognosis of post-transplant rejection.

Relation Between Prostate Cancer and Prostatic Acid Phosphatase.
--CLINICAL EXAMINATION OF FALSE-POSITIVE AND FALSE-NEGATIVE CASES--

Y. Higashi, T. Machida, M. Miki, Y. Oishi, A. Akiyama, M. Yanagisawa, H. Kurauchi, T. Takahashi. Department of Urology, The Jikei University School of Medicine, Tokyo.

PAP-RIA (Radioimmunoassay for PAP) is very useful tumor marker for cases of prostatic cancer. This report presents the results of our follow-up studies on 16 cases of prostatic cancer with normal levels of PAP (3.0 ng/ml or less) at the first visit and 45 cases of benign prostatic hyper trophy (BPH) with elevated levels of PAP at the first visit.

Of the cases of untreated prostatic cancer, 15.3% had PAP levels of 3.0 ng/ml or less. Of these cases, 66% were in Stage A or Stage B. The PAP levels rose thereafter in 2 of the 16 cases, but the maximum level was 14 ng/ml. No histological difference was found between the PAP-elevated and PAP-normal cases.

Of the cases of BPH, 7.1% had elevated PAP levels of more than 3.0 ng/ml. The mean PAP level was 5.4 ng/ml, and the maximum level was 18.8 ng/ml. It was noted that urinary retention was seen at the first visit in as many as 22 of the 45 cases (50%) and that the mean weight of the excised adenoma was 38.9 g, two times heavier than that in PAP-normal BPH cases. No histological difference was found between the PAP-elevated and PAP-normal BPH cases.