**Evaluation of Some Biological Parameters and Trace Elements in Prostatic Tumors among Iraqi Patients with DMII**

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Among the challenges facing doctors in advanced prostate, cancer management is that it is developing quickly, which requires research in rapid ways to predict its development. Our goal in this study is to define some liver tests (Alp), Chloe., PSA, and TPA tests, focus on some trace elements in men with prostate and type 2 diabetes and discover the linear relationship between the specified tracking elements that were estimated between cases. The kidney fears tests were not mentioned in this study, but the levels of uric acid were significantly affected. There was clear importance of liver enzymes, whose levels were clearly affected, and there was a link between them and PSA in prostate cancer patients. The vowed elements did not have great influence, especially magnesium and selenium, on the contrary, zinc had a great statistical and clinical importance in this study. In general, during this study, the necessary parameters will be identified as good indicators for prostate cancer patients and DMII in the same time.

**Keywords:** Prostatic tumors, Trace elements, DMII, PSA, TPA

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