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Microelements levels of Iron, Manganese, Zinc, Copper, Lead, Cadmium, and Nickel in the serum samples of Iraq prostate cancer patients

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Abstract:Microelements are important components of biological activities,however; these elements can be toxic when it levels exceed the demand. In the present study, serum levels of microelements were measured in 15 newly diagnosed patients with prostate cancer and 10 healthy subjects by using Flame Atomic Absorption Spectrophotometer (FAAS).resultswere showed that there was an elevation in serum levels of Mn ,Cu ,Ni ,Pb ,Fe ,Cd ,Zn(p< 0.05) in prostate cancer patients , These changes may be important in the pathogenesis of prostate cancers, and these results have confirmed the relationships between prostate cancer and microelements in Iraq.

Keywords: Prostate cancer .Microelements. Serum levels.

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