



Some Heavy Metals Concentrations in Tumor Tissue

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Abstract: Study was aimed to detect some trace elements in human tumor tissue, Manganese, cobalt, cadmium and Zinc was measured in cancer and benign tissue using atomic absorption, result show that cancer tissue have higher concentration of cobalt and Zinc than benign tissue, it were 156.7 ± 6.5 and $205.79 \mu\text{g/g}$ respectively. Females had higher concentrations than males in cancer 2011.41 ± 439.79 , 114.54 ± 0.05 , 157.05 ± 6.50 $206.58 \pm 20.93 \mu\text{g/g}$ in Mn, Cd, Co and Zn respectively also in benign tissue Female 2373.37 ± 703.56 , 114.56 ± 0.06 , 154.50 ± 29.4 , $204.65 \pm 28.23 \mu\text{g/g}$ in the same minerals above.

Key words : trace elements, atomic absorption, tumors tissue.

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