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The levels of nitrite, nitrate and vitamin D3 in human with gastric cancer

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The blood samples were taken patients with stomach cancer admitted to Department of Medical Oncology in Faculty of Medicine in Van. Ranging from 45-76 years old of age 32 male, 15 female patients with a total 47 were used in the research. Stomach adenocarcinoma were diagnosed from all patients with endoscopic biopsy. Then the chest X-Ray, abdominal computed tomography, biochemical and hematological analysis were done and magnetic resonance were used when it is necessary for grading. The changes of blood parameters after 3-4 cycles of chemotherapy compared to the values at the diagnosis time were analyzed. The blood samples were taken after chemotherapy and analyzed for nitrate, nitrite spectrophotometrically and vitamin D by HPLC. Comparing with control group, the nitrite levels were increased in cancer patients before and after the chemotherapy. But the levels of nitrate were high before chemotherapy then decreased after chemotherapy. Vit D levels of two groups were low then the controls. These three compounds were significantly important for gastric cancer formation and biochemistry of cancer.

Biography

Kivanc Irak, he is currently working at University of Siirt, as a Faculty of Veterinary medicine department of biochemistry.

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