



A Relationship between Breast Cancer and the ABO Blood Groups

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Abstract : This work done at the middle Euphrates center cancer, Alnajaf city, Iraq. Also collected samples from Al Sader general hospital al-Najaf al-Ashraf Government, the samples consisted of 72 breast cancer patients with categories of blood category. Overall distribution of categories was comparable between patients (33.3% O⁺, 27.7% B⁺, 22.2% A⁺, 0.5% B⁻, 0.2% A⁻, 0.5% AB⁺ and 0.2% AB⁻). We found that patients with O⁺ category was positively associated with the risk of breast cancer (adjusted Odds Ratio=22.6, P=0.002). We conclude that O⁺ blood type was associated with increased the risk of breast cancer and it might increase the probability to generate hazard for individuals if further studies certain the present preliminary findings.

Key words: ABO blood group, breast cancer, ANOVA test.

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