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Correlation of reduced Glutathione with breast cancer using High Performance Liquid Chromatography

Breast Cancer (BC) is a type of malignancy appeared in breast tissue, occurs in both premenopausal and also in postmenopausal women's. Glutathione (GSH) is a tripeptide that is found intracellularly in high concentration, being the most abundant low molecular mass thiol. A total of 80 patient with BC divided in two groups, first group (n=40) women with breast cancer without chemotherapy, second group (n=40) women with breast cancer with chemotherapy. The control group (n=40) apparently healthy women's matched with patient group. Women with BC have a significant lower serum level of GSH than those who are not diseased and even than those who received chemotherapy ($p < 0.05$). This leads to a conclusion that breast cancer women have low level of GSH and increased upon administration of chemotherapy. The objective of this study is to assess GSH status in women's BC receiving chemotherapy treatment.

Biography

Mufeed Jalil Ewadh has his expertise in many fields of biochemistry research dealing with health problem, herbal extraction and alternative medicine. He has participated in Post-doctorate course in Marburg University, Germany in 2005. He is Editor in Chief of most famous journal in Iraq *Medical Journal of Babylon*.

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