

Alteration of Serum Lipid Profile in Breast Cancer

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ABSTRACT

The relationship between lipid levels and breast cancer in women has given conflicting results and is often debatable. The aim of this study was to analyze the role of variation in lipid profile in women developing breast cancer. Study was carried out between July 2014 to December 2015. Plasma lipids (i.e. Total cholesterol (TC), high-density lipoprotein (HDL), low-density lipoprotein (LDL), and triglycerides (TG) were analyzed from 85 controls and 85 breast cancer patients with clinical and histopathological evidence, Venous blood was withdrawn with aseptic precaution from the cases and controls and estimations of lipid profile were done. Data was analyzed by Epi Info Statical software. p value of <0.05 was taken as significant for all statistical analysis. A significant rise in serum total cholesterol, low-density lipoprotein and ratio of total cholesterol: high density lipoprotein values were found, whereas high density lipoprotein and very low density lipoprotein were not affected significantly by the breast cancer.