

"Serum Ferritin and Lactate dehydrogenase in Carcinoma of Breast"

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Abstract

The purpose of this study was to study serum ferritin and lactate dehydrogenase in patients with carcinoma of the breast. This is a hospital- based cross sectional comparative study involving 60 patients with carcinoma of the breast admitted to surgical units, Mandalay General Hospital (MGH) and 30 healthy women served as controls. Determination of Clinical ferritin and lactate dehydrogenase (LDH) were done at Department of Clinical Pathology, MGH from 1st October 2015 to 30th September 2016. The serum ferritin and LDH levels were found to be increased in patients with carcinoma of the breast compared to healthy controls (p value 0.008 and 0.03 respectively). In patients with axillary lymph node metastasis, serum ferritin and LDH were further elevated and significantly higher compared to patients without metastasis (p value 0.0006 and 0.006 respectively). Serum ferritin and LDH significantly increased in carcinoma of the breast and furthermore increased in lymph node metastasis. These data suggested that elevated serum ferritin and LDH in patients with carcinoma of the breast could be regarded as a predictor of positive lymph node involvement.