

Incidence of Anaemia in Female Breast Cancer Patients

Authors : Fatima Abu Baker Hamad

Abstract : Anaemia is a public health problem that affects population in both rich and poor countries. Although the primary cause is iron deficiency, it is seldom present in isolation. More frequently it coexists with a number of other causes, such as malaria, parasitic infection, nutritional deficiencies and hemoglobinopathies. That was the people in Sudan suffered from it. Anaemia has a high prevalence in patients with cancer. The aim of this study was to find the incidence of anaemia in new cases of Sudanese female breast cancer patients attending the National Cancer Institute (NCI), Gezira University, Sudan. The study was performed on 250 female breast cancer patients, the age range was (20-70) years and the mean age was 45.99 ± 0.82 . The hemoglobin level was measured by SYSMEX-KX21M. As result 144(58.8) of patients presented with anaemia, between moderate to severe. Forty four (17.6%) of the patients were found to be under weight, 31 of them were anaemic. While 105(42%) of the patients were overweight and obese, 52 of them were anaemic. The incidence of anaemia in newly diagnosed Sudanese female breast cancer patients presented at NCI is association presentation with advance disease stage. Also it is related to age, state of nutrition and social economic factors. Early cancer detection which leads to effective treatment and reduced complication of diseases included anaemia is recommended.

Keywords : anaemia, breast cancer, stages of disease, malaria

Conference Title : ICFSNPH 2015 : International Conference on Food Safety, Nutrition and Public Health

Conference Location : Zurich, Switzerland

Conference Dates : July 29-30, 2015