

cells and collapse of glomerular capillary tuft with widening of the Bowman's space. Statistically, the changes in both organs were non significant as compared to the controls ($p < 0.05$). The changes in the gills of the filaments and lamellae, hyperplasia of the covering gill epithelial, congestion of the gill capillaries and vessels, aneurysmal formation of the gill lamellar capillaries. Likewise the alterations were time and dose dependent, although statistically non significant ($p < 0.05$). The differential leucocyte counts of the blood collected from the fish in the treatment groups showed declining in the numbers of lymphocytes but increasing in numbers of neutrophils as the weight of the fish were increased. Except at 1 month of exposure the fish from the 3 ppb concentration of TPTH treated group showed significantly lesser number of lymphocyte (37 %) counts than those of the control groups (91 %) and the 1 ppb concentration of TPTH group (88 %) ($p < 0.05$).