



## Serum erythropoietin level in CKD patient with iron deficiency anemia

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | This is a cross-sectional descriptive study that was designed for estimation of erythropoietin level in CKD patients with iron deficiency anemia during the period of January 2012 to December 2012. Serum concentration of iron and ferritin were measured in all samples to detect iron status. All subjects were taken at the age 18 to 80 years. The result showed that serum concentration of erythropoietin mean value 2.67 mIU/ml ( $\pm 2.36$  SD) which is decreased whereas hemoglobin level was found 8.67gm/dl ( $\pm 1.39$  SD) which is significantly lower than normal people. Serum iron and serum ferritin level also significantly lower (13.78  $\mu$ g/dl ( $\pm 2.58$  SD) and 73.35 ng/mL ( $\pm 26.81$  SD) respectively. In chronic kidney disease patient with iron deficiency anemic patient, there is decrease erythropoietin level as there is an attempt to restore red blood cell production level to normal. This is also seen in reduction of blood flow to the kidney (as in blood loss) and hemoglobinopathies with increased affinity of hemoglobin for oxygen. As there is low level of serum erythropoietin that causes low level of serum iron and low level of serum ferritin observed in the study. | Format: Paperback |...



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