

ABSTRACT

Purpose : To compare serum levels of vitamin B₁₂, folic acid, ferritin and hematologic status in patients with two types of surgical techniques namely ileal conduit and Mainz pouch technique.

Methods : Hemoglobin, hematocrit, serum ferritin, serum vitamin B₁₂ and serum folic acid were determined in 16 patients with ileal conduit (IC) and 10 patients with Mainz pouch (MP) surgical technique. The post operation period was between 9 months and more than 10 years. Results of both types of surgery and post operation period were compared.

Results : The mean levels of serum vitamin B₁₂, folic acid, ferritin, hemoglobin and hematocrit in both groups were compared and found no statistical difference. Serum vitamin B₁₂ below reference level was found 12.5% in IC group and 10% in MP group. Serum folic acid was within reference range in all patients. The mean levels of all chemical parameters of patients with post operation period less than 5 years and more than 5 years were compared. The difference between the two groups was not statistically significant.

Conclusion : Serum level of vitamin B₁₂, folic acid, ferritin and hematologic status in patients with bladder substitution by using terminal ileum should be monitored regularly.