Media Folia Medica Indonesiana
Volume : 47 - No. 2 Terbit : 04-2011

Penulis :
Djoko Santoso
Widodo
A Wardana
N Mardiana
C Irwanadi

NUTRITIONAL CONDITION IN HEMODIALYSIS PATIENTS. DIFFERENCES BETWEEN GROUPS IN SURABAYA, INDONESIA AND JUNTENDO UNIVERSITY, JAPAN

Abstrak :

For over two decades, malnutrition has been reported as frequent complication in hemodialysis patients. The prevalence has varied from 25 to 75% all over the world. In contrast to other studies, the present study will compare nutrition of hemodialysis patients in a developing country and a developed country. Hemodialysis patient data were obtained from patient groups in Surabaya, Indonesia and Juntendo University, Japan. Malnutrition was estimated by serum prealbumin, albumin and retinol binding protein. Malnutrition was present in 58% of the Surabaya group and 10% of the Juntendo group. Serum pre-albumin concentrations in the Surabaya group and Juntendo were 21.19 ± 7.9 and 32.3 ± 7.45 mg/dl, respectively. The percentages of patients with pre-albumin of less than 22 mg/dl in the Surabaya and Juntendo groups were 58% and 10% respectively. Specifically, pre-albumin values of 22-15 mg/dl and less than 15 mg/dl in the Surabaya group vs. the Juntendo group were observed in 32% and 26% vs. 8% and 2%. In conclusion, malnutrition afflicts most patients on dialysis in the Surabaya group. Tthe reported incidence was 58%.

Keyword :

nutrition, hemodialysis patients, Surabaya, Indonesia, Juntendo

Daftar Pustaka :

Bassuk SS, Berkman LF, Amick BC. Socioeconomic status and mortality among the elderly: findings from four US communities American Journal of Epidemiology 2002 -
Bergstorm J. Nutrition and adequacy of dialysis in hemodialysis patients Kidney 1993 -
Chazot C, Laurent G, Charra B, Blanc C, Van CV, Jean G et. Malnutrition in long term hemodialysis survivors Nephrol Dial Transplant 2001 -