

Multielement correlation analysis of human serum and urine - 2-

Yoshinori Miura, Keiko Nakai, Kenji Nakai, Akira Suwabe
*Koichiro Sera

Department of Clinical Pathology, Iwate Medical University
19-1 Uchimaru, Morioka, Iwate 020-8505, Japan

*Cyclotron Research Center, Iwate Medical University
348-58 Tomegamori, Takizawa, Iwate 020-0173, Japan

Abstract

A number of considerations suggest that disturbances of trace elements might occur in patients with renal disease and hemodialysis patients. The concentrations of trace elements (Mg, P, Fe, Cu, Zn, Se, Br) in human serum from hemodialysis patients and nondialysis patients with renal diseases were determined by PIXE. As a result, Mg concentrations is higher for hemodialysis patients than for nondialysis patients with renal diseases. On the other hands Br concentrations is lower for hemodialysis patients than for nondialysis patients with renal diseases.