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Survival and clinical aspects for patients with chronic lymphocytic leukemia in Kermanshah, Iran

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Chronic lymphocytic leukemia (CLL) is the most common leukemia in adults in Western countries but is relatively rare in Asia. Immune hemolytic anemia, Evan's syndrome, lymphadenopathy, organomegaly and B symptoms are the main complaints of patients in CLL. The present retrospective analysis evaluated a group of 109 patients with CLL over a 9 years period, studying correlations between sex, age and overall survival. The patients were hospitalized in the Clinic of Hematology and Oncology, Kermanshah, Iran, between 2006 and 2014. Data analysis for sex and age was performed using IBM SPSS 19 and overall survival was plotted by Kaplan-Meier plot, Log-rank test in Graph Pad prism 5 Software for five years period. The mean age of diagnosis for CLL patients was 60.73 years, 59.6% male. Survival rate of patients' was 64% and mean overall survival rate was 38.5 months. In the Rai system, fourteen patients (12.8%) had stage III and twenty eight patients (25.7%) had stage IV. Most frequent clinical features in patients with CLL were lymphadenopathy (38.7%) and organomegaly (34%), respectively. There is no relationship between sex and age in patients but overall survival rate in females was higher than in males. In Asian countries, CLL is more in male and in age above 60 years. Complaints about lymphadenopathy and virus infection are prevalent.

Biography

Mehrdad Payandeh has completed his MD from Kermanshah University of Medical Science (KUMS). He is a Chair of Hemophilia Center and Chair of Bone Marrow Transplantation Center of Kermanshah city. He has 8 years of experience in diagnoses and treatment of hematology, oncology, coagulative, BMT patient's disorder in private and university hospital. He has published many papers in reputed journals and has been serving as an Editorial Board Member of repute.

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