CD30 Expression vs. Serum Soluble CD30 (sCD30) Level: Role in Prognosis and Treatment of Acute Myeloid Leukaemia

Dalia Ahmed Nigm*, Zeinab Ahmad Abd El Hameed and Mohamed Z Abd Elrahman

Abstract:

Objectives: As we noted that CD30 is a valuable molecule in regulation of growth and death of lymphocytes in malignant lymphomas, we analyzed CD30 expression and serum soluble CD30 (sCD30) molecule level in patients with acute myeloid leukemia (AML) to assess their role as a prognostic markers and to examine the possibility of anti-CD30 to be a targeted therapy in these patients. Methods: We studied CD30 expression by Multicolor flow cytometry immunophenotypic analysis on bone marrow aspirates of 50 AML patients. Serum sCD30 level was measured by Enzyme Linked Immunosorbent Assay (ELSA). We correlate CD30 and sCD30 values with all of white blood cell counts, Hemoglobin, platelets, bone marrow blasts and cytogenetics. The Fisher’s exact test or chi-square was used for comparison of categorical variables and the ttest or one-way analysis of variance (ANOVA) was applied for numerical comparisons using SPSS version 20. A p value of

Keywords:

CD30; sCD30; Acute myeloid leukemia; Relapse; CD30 targeted therapy

Published In:

Journal of Clinical & Cellular Immunology , vol 8 issue 3 , NULL