

## LEVELS OF $\beta$ -2-MICROGLOBULIN AND IMMUNOGLOBULIN GENE REARRANGEMENT IN PATIENTS OF MULTIPLE MYELOMA

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**ABSTRACT** : The study was conducted to evaluate the levels of  $\beta$ -2-microglobulin by ELISA in the test sera of patients of multiple myeloma. Percentage of immunoglobulin gene rearrangement was also detected using PCR and length of gene was between 400-500 base pairs. The levels of  $\beta$ -2-microglobulin in the sera of patients ranged from 0.46 to 4.25  $\mu$ g/ml in comparison to healthy controls (0.37-2.24  $\mu$ g/ml). Immunoglobulin gene rearrangement was 75%.

**Key Words** : Multiple myeloma,  $\beta$ -2-microglobulin, gene rearrangement.