

HUMAN GENETICS & GENETIC DISEASES**and****3rd International Conference on****MOLECULAR MEDICINE & DIAGNOSTICS****April 19-20, 2018 Dubai, UAE****Lack of altered BECN1 gene expression in Iranian patients with acute myeloid leukemia****Abolfazl Movafagh, Ladan Keyvan, Narges Mehrvar, Aliasghar Keramatinia, Davood Zare Abdollahi and Neda Mansouri**
Shahid Beheshti University of Medical Sciences, Iran

Acute myeloid leukemia (AML), one of the most prevalent leukemia types in adults, demonstrates great heterogeneity in molecular and clinical terms. Hence, there is a necessity to the mechanisms involved in AML generation in order to determine optimal treatment. This cross sectional study aimed to assess changes in BECN1 gene expression in blood samples from 30 AML patients, compared with samples from 15 healthy persons. RNA was extracted and cDNA was synthesized and real time PCR applied to determine BECN1 gene expression. The results showed no significant differences in BECN1 gene expression between patients with AML and normal controls ($P>0.05$). It appears that expression of BECN1 does not play a significant role in genesis of AML leukemia.

movafagh_a@yahoo.com