



RESEARCH PAPER

# Detection of polymorphism of ATM gene in Leukemia

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The Ataxia telangiectasia mutated gene encodes the ATM protein, a key element in the DNA damage response (DDR) signalling pathway responsible for maintaining genomic integrity within the cell. In order to study the genetic changes of ATM gene in Lukaemia, we collected the blood samples of healthy persons for control and leukaemia persons for disease samples. We isolated DNA and performed PCR to analyse by Gene sequencing. As a result we found less number of sequencing result in nucleotide BLAST due to which we are unable to detect the compared result of mutation. Larger and/or combined association studies are needed to conclude the result.

**Key words** : ATM gene, Gel electrophoresis, Polymerase chain reaction, DNA sequencing

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