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## Investigation for polymorphisms of *caspase 3* and *caspase 9* gene and enzyme levels in leukemia patients

AYY\_A YnxUbc[i ~UfrzBUhUb`9UgZBUM/HZ]\_z5b]`Hta VU\_ UbX`9Ya `5\_VUg  
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For the first time, we investigated the polymorphisms of *caspase 3* and *caspase 9* gene and enzyme levels in leukemia patients. A total of 100 patients with leukemia and 50 healthy controls were included in the study. The polymorphisms of *caspase 3* (G>T 4647601) and *caspase 9* (A>G 4645978) were determined by PCR-RFLP method. The results showed that the frequency of the G allele in *caspase 3* was significantly higher in leukemia patients (p=0.03) compared to healthy controls (p=0.15). The frequency of the A allele in *caspase 9* was significantly higher in leukemia patients (p<0.001) compared to healthy controls (p=0.001). The results suggest that the polymorphisms of *caspase 3* and *caspase 9* gene may be associated with leukemia.

### Biography

Nazan Eras, after graduation from Dicle University Faculty of Medicine, worked as a General Practitioner. She completed her MSc in 2006 and PhD in 2012 at Mersin University Faculty of Medicine, Department of Molecular Biology and Genetics. She has been serving as Peer-reviewer in journals. She still continues to work as a Scientist and an Assistant Professor at Mersin University Medical Faculty, Department of Medical Genetics. Her research interests include Clinical Cancer Genetics, Human Molecular Genetics and Oxidative Stress.

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