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Title of Thesis: Acute Leukemia in Children with Down Syndrome

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Abstract :

Down syndrome has been recognized as one of the most important leukemia predisposing syndromes and patients with Down syndrome and leukemia have unique clinical features and significant differences in treatment response and toxicity profiles. One of the challenges faced in treating children with Down syndrome and leukemia is balancing curative therapy against potential toxicities. It is now clear that the mechanisms regulating the response to therapy and toxicity to chemotherapy agents in the treatment of Down syndrome leukemia are multifactorial and they offer a powerful model to improve our understanding of the mechanisms of chemotherapy sensitivity.

Keywords :

Down syndrome; Acute leukemia; An essay.