

## **Abstract**

Chronic myeloid leukemia (CML) is a myeloproliferative neoplasm with an annual incidence of 1 to 2 per 100000 populations. It mainly affects adults with a median age of 50 years. CML is not common in children and adolescents and age adjusted annual incidence is 0.04 to 0.1 per 100000 populations. CML is characterized by the presence of the Philadelphia chromosome due to translocation between chromosome 9 and 22. The molecular changes are different in pediatric and adult patients. This might explain the reason for the pediatric patients having a more severe form of disease.

We report a 16 years old male patient who presented to us with loss of appetite, loss of weight and abdominal fullness for a six month duration and later he was diagnosed to have CML. He did not tolerate Imatinib and showed good response to nilotinib in the short term. We would like to add this case report to the literature to highlight and share the rare experience of childhood CML with short term treatment issues.