

Successful pregnancy in two chronic myeloid leukemia patients

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Abstract

The management of cancer during pregnancy is a complex situation for patients, as well as their physicians; although it is an uncommon event.

We describe the successful management of two pregnant women with chronic myeloid leukemia (CML). The first was a 23 years old patient, who was newly diagnosed with Philadelphia-positive CML in chronic phase during the first trimester of her pregnancy. This patient was treated successfully with alpha interferon until her delivery at 36 weeks of gestation without significant adverse effects on the patient or fetus. The patient gave birth by cesarean section to a healthy male weight 3 kg. The second was a 25-years-old woman who is a known case of Philadelphia-positive CML in chronic phase since 2003; she was receiving Imatinib for four years, and she was in hematological remission.

In 2008 the patient got pregnant; she stopped Imatinib two months prior to her pregnancy. This patient received no medical treatment for CML; she was managed by close follow up with full blood count (FBC) until her delivery at 36 weeks of gestation, because she was in hematological remission, The patient gave birth by cesarean section to a healthy female twin weight 2.2 & 2.4 kg.