

**A detailed response to reviewers' comments has been attached. We have highlighten the changes made in the manuscript by using red text.**

Reviewer #1.

The manuscript describes a rare disease. Even if nothing add to what already known , the manuscript may be accepted because dedscribes a very rare disease.

**Response:** We truly appreciate the in-depth criticisms and constructive comments of the reviewers. Overall, the referee are enthusiastic about the significance of our work. Their concerns are mostly about our unclear presentation, we have revised the manuscript. We have addressed the questions raised by the reviewers. We are grateful for these valuable comments and feel that after incorporating the reviewers' advice, the revised manuscript has been significantly strengthened and that the significance of our findings is now more evident.

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Reviewer #2

There are too many abbreviations in the title and abstract of the article. There is no harm in using universally known abbreviations, but using so many abbreviations can bore the reader. fix this if possible.

**Response:** We have fixed the problem.

There are too many assertive statements (like first, only) both in the title and in the text. Instead of using such expressions in the academic community, softer expressions that start with "according to our knowledge" should be used.

**Response:** We have fixed the problem.

For example, what ELL is should be stated in the introduction.

**Response:** We have explained the function of MLL gene.

It was stated that financial support was received for this study. I don't understand what kind of support is needed for a case report and I'm definitely waiting for it to be explained.

**Response:** This grant project is to support the application of NGS in blood cancer. The cost of NGS analysis for myeloid sarcoma tissue was covered by the project. The total cost is 4,500 RMB. The patient did not pay the fee.

It was stated that NGS and flow cytometry were used in the diagnosis. A few images should be used in this regard.

**Response:** Flow cytometry image was included in the manuscript.