

Reviewer: I would like you to add the role of microenvironment in Myelodysplastic syndrome transformed into B-lineage acute lymphoblastic leukemia.

Answer:

1. We edited the manuscript again for the grammar, sentence structure, word usage, spelling, capitalization, punctuation and format, and we also provided the non-native speakers of english editing certificate in the attachment.

2. We add the role of microenvironment in Myelodysplastic syndrome transformed into B-lineage acute lymphoblastic leukemia in the discussion as: We think that the influence of tumor microenvironment on its transformation can not be ruled out. The tumor microenvironment is essential for tumor cell proliferation, angiogenesis, invasion, and metastasis by providing survival signals and a sanctuary site for tumor cells. Tumor marrow microenvironment provides a sanctuary site for MDS and leukemic, and probably contributes to residual disease and reoccurrence. Relevant studies have shown that the tumor microenvironment of MDS patients has undergone significant changes, with a reduced count of CD4+ T cells, a more frequent presence of markers related to T cell exhaustion. This indicates that T cell damage is the main factor in the microenvironment of MDS. Once the progression of MDS has the trend of acute lymphocyte transformation, if the surface markers of T cells are further attacked and the T cell markers are reduced, the surface markers of B cells are dominant.

3. The figure and table included in this article has been modified in a way that can be edited (raw data). We provided it in the attachment which named figure and table.

4. We have provided the funding agency copy of approval document in the attachment which named approval document.

5. The document format has been modified as required, we have added the PubMed numbers and DOI citation numbers and listed all authors of the references.