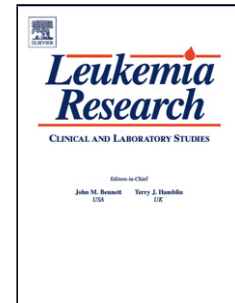


## Accepted Manuscript

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**The synergy of Vitamin C with decitabine activates TET2 in leukemic cells and significantly improves overall survival in elderly patients with acute myeloid leukemia**

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**Highlights:**

- Low-dose Vitamin C has a synergistic effect with decitabine in vitro, the Synergistic mechanism may be related to TET2 gene.
- Low-dose Vitamin C combined with DCAG was found to be likely effective and safe in treating elderly AML patients.
- The addition of low-dose Vitamin C to DCAG appeared to improve CR and prolong OS, in elderly AML patients.

**Abstract:**

**Background:** Decitabine is widely used in the treatment of acute myeloid leukemia (AML) in elderly patients. Low-dose Vitamin C has also been indicated to induce

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