

Ivosidenib + azacitidine ups event-free survival in IDH1-mutated acute myeloid leukemia

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Compared with placebo and azacitidine, the combination of ivosidenib and azacitidine prolongs event-free survival for patients with newly diagnosed *IDH1*-mutated acute myeloid leukemia who are ineligible for induction chemotherapy, according to a study published in the April 21 issue of the *New England Journal of Medicine*.

Pau Montesinos, M.D., Ph.D., from Hospital Universitari i Politècnic La Fe in Valencia, Spain, and colleagues conducted a phase 3 trial involving patients with newly diagnosed *IDH1*-mutated [acute myeloid leukemia](#) who were ineligible for intensive [induction chemotherapy](#). Patients were randomly assigned to receive oral ivosidenib and subcutaneous or intravenous azacitidine or matched placebo and azacitidine (72 and 74 [patients](#), respectively).

The researchers found that event-free survival was significantly longer in the ivosidenib-and-azacitidine group than in the placebo-and-azacitidine group at a median follow-up of 12.4 months (hazard ratio for treatment failure, relapse from remission, or death, 0.33). The estimated probability that a patient would remain event-free at 12 months was 37 and 12 percent in the ivosidenib-and-azacitidine group and the placebo-and-azacitidine group, respectively. Median overall survival was 24.0 and 7.9 months in the ivosidenib-and-azacitidine group and placebo-and-azacitidine group, respectively (hazard ratio for death, 0.44).

"Because this trial showed a robust improvement in all efficacy end points, it becomes important to consider the positioning of this new option in the current treatment landscape, which includes venetoclax-based regimens," the authors write.

The study was funded by Agios Pharmaceuticals. Servier Pharmaceuticals has completed the acquisition of the Agios oncology business.

More information: [Abstract/Full Text \(subscription or payment may be required\)](#)

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