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Hydroxyurea, azacitidine and gemtuzumab ozogamicin therapy in patients with previously untreated non-M3 acute myeloid leukemia and high-risk myelodysplastic syndromes in the elderly: results from a pilot trial

Sucha Nand , John Godwin, Scott Smith, Kevin Barton, Laura Michaelis, Serhan Alkan, ... show all

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count below 10,000/ μL , followed by azacitidine 75 mg/ m^2 subcutaneously for 7 days and GO 3 mg/ m^2 on day 8. Patients who achieved complete remission (CR) received a consolidation course. The median age of patients was 76 years. Eleven patients (55%) were treated in the outpatient setting. Fourteen (70%) achieved a CR, three of which were incomplete (CRi). The median duration of remission was 8 months and median survival was 10 months. Performance status of 0–1 was associated with high complete response rate. Overall toxicity was acceptable with only one (5%) early death due to disease progression. The combination of HU, azacitidine and GO appears to be a safe and effective regimen in the treatment of AML and high risk MDS in the elderly. These results need to be confirmed in a larger cohort of patients.

Keywords: Acute myeloid leukemia azacitidine gemtuzumab ozogamicin

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