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Unmanipulated Haploidentical Hematopoietic Stem Cell Transplantation Achieved Outcomes Comparable with Matched Unrelated Donor Transplantation in Young Acquired Severe Aplastic Anemia

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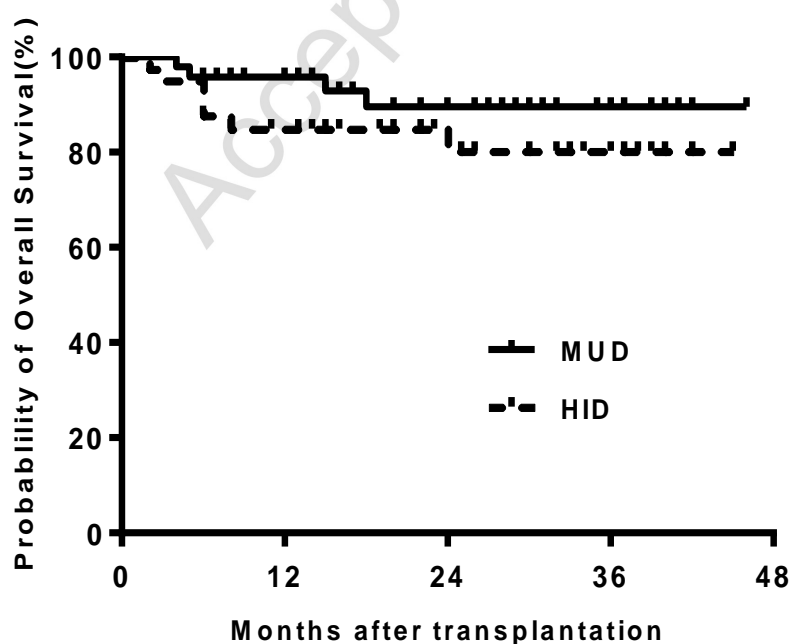
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Graphical Abstract

The present study retrospectively analyzed the outcomes of 89 young patients with acquired severe aplastic anemia , who underwent unmanipulated alternative HSCT between September 2012 and September 2016 at our single center. 41 patients received haploidentical donors, and 48 patients received MUD for HSCT. No significant differences were observed between haplo-HSCT and MUD-HSCT cohorts in the 3-y OS ($P=0.210$), DFS ($P=0.127$) and GFFS ($P=0.976$). haplo-HSCT, as salvage therapy, achieved similar outcomes as MUD-HSCT in young SAA patients, thereby rendering it as an effective and safe option for young SAA.



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