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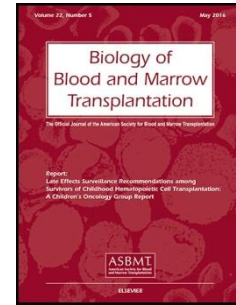
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Augmenting Total Body Irradiation with a Cranial Boost Before Stem Cell Transplantation Protects Against Post-Transplant CNS Relapse in Acute Lymphoblastic Leukemia

Short title: Cranial Boost Protects Against CNS Relapse in Acute Lymphoblastic Leukemia

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Conflicts of Interest: none

Highlights

- A cranial boost for ALL patients undergoing transplant using TBI conditioning regimen reduces CNS relapse.
- Zero of 30 patients who received a cranial boost relapsed in the CNS.
- A cranial boost does not impact overall or disease free survival.

Abstract

Purpose: The purpose of this study was to determine the effect of a pre-transplant cranial boost (CB) on post-transplant central nervous system (CNS) relapse and survival in acute lymphoblastic leukemia (ALL) patients undergoing allogeneic hematopoietic stem cell transplantation (HSCT) using a total body irradiation (TBI)-containing preparation regimen.

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