

[Improving stem cell mobilization strategies: future ...](#)<https://www.nature.com/articles/bmt2008410>

Jan 12, 2009 Autologous hematopoietic SCT (auto-HSCT) provides hematopoietic support after high-dose chemotherapy and is the standard of care for patients with multiple myeloma (MM) or...

Cited by: 277 Author: W. Bensinger, John Dipersio, J. M. McCarty

Publish Year: 2009

[Plerixafor added to G-CSF-supported paclitaxel-ifosfamide ...](#)<https://pubmed.ncbi.nlm.nih.gov/24625457>

Patients with relapsed/refractory GCTs (n=10) received salvage paclitaxel-ifosfamide-cisplatin (TIP) chemotherapy+G-CSF to mobilize adequate HSCs to support HDC, mainly with two courses of high...

[Plerixafor-aided Mobilization of Peripheral Blood ...](#)<https://pubmed.ncbi.nlm.nih.gov/31884151>

Background: An appreciable proportion of patients in need of salvage high-dose chemotherapy (HDC) and autologous peripheral blood stem cell (PBSC) transplantation (PBSCT) fail to mobilize adequate...

Author: Evangelos Fergadis, Abraam Assi, El... Publish Year: 2020

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High-dose Chemotherapy With Autologous Stem Cell<https://clinicaltrials.gov/ct2/show/NCT00231582>

Oct 04, 2005 · Sequential high-dose chemotherapy protocol for relapsed poor prognosis germ cell tumors combining two mobilization and cytoreductive treatments followed by three high-dose chemotherapy regimens supported by autologous stem cell transplantation. Results of the phase II multicentric TAXIF trial. Ann Oncol. 2005 Mar;16(3):411-8. Epub 2005 Jan 19.

Actual Enrollment : 50 participants

Allocation: Non-Randomized

Intervention Model: Single Group Assignment

Study Type : Interventional (Clinical Trial)

Increased mobilization and yield of stem cells using ...<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC24198526>

The yield of CD34+ cells and the number of aphereses required for successful collection, however, is largely determined by the efficiency of stem cell mobilization. In addition, a number of studies have shown a significant correlation between CD34+ cell dose and rapidity of engraftment following high-dose chemotherapy.18

Cited by: 1

Author: Louis M Pelus, Sherif S Farag

Publish Year: 2011

High-Dose Chemotherapy and Stem-Cell Rescue for Metastatic ...<https://www.nejm.org/doi/10.1056/NEJMoa067749>

Lotz JP, Bui B, Gomez F, et al. Sequential high-dose chemotherapy protocol for relapsed poor prognosis germ cell tumor combining two mobilization and cytoreductive treatments followed by three ...

Cited by: 498

Author: Lawrence H. Einhorn, Stephen D. Williams, ...

Publish Year: 2007

Successful stem-cell mobilization and transplantation ...<https://europepmc.org/article/MED/21150242>

Oct 01, 2010 · Plerixafor added to G-CSF-supported paclitaxel-irifosfamide-cisplatin salvage chemotherapy enhances mobilization of adequate numbers of hematopoietic stem cells for subsequent autografting in hard-to-mobilize patients with relapsed/refractory germ-cell tumors: a single-center experience.

Successful stem-cell mobilization and transplantation ...<https://www.semanticscholar.org/paper/Successful...>

High-dose chemotherapy followed by autologous hematopoietic stem-cell transplantation is an important treatment option for a variety of malignancies. Peripheral blood stem cells (PBSCs) have replaced bone marrow-derived cells as source of stem cells in transplants, and the success of a transplant depends highly on the number of PBSCs mobilized, collected and eventually infused.

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Hematopoietic stem-cell transplantation is the transplantation of multipotent hematopoietic stem cells, usually derived from bone marrow...

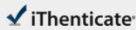
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**Hematopoietic stem cell mobilization strategies to support high-dose chemotherapy:
A focus in relapsed/refractory germ-cell tumors**

Porfyriou E *et al.* HSC mobilization strategies in GCTs

Eleni Porfyriou, Sylvia Letsa, Christos Kosmas

Abstract

High-dose chemotherapy (HDCT) with autologous hematopoietic stem cell transplantation has been explored and apparently played an important role in the management of patients with high-risk germ-cell tumors (GCTs) failing to be cured by conventional chemotherapy. Hematopoietic stem cells (HSCs) collected from the peripheral blood (PB), after appropriate pharmacologic mobilization, have largely replaced bone marrow in transplants as the principal source of HSCs. As it is currently

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Autologous hematopoietic stem cell transplantation in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3521428>

Sep 23, 2010 · Pre-HSCT high-dose salvage **chemotherapy** was performed in 45 patients (42.4%) using regimens based on ifosfamide with etoposide (53.33%), cytarabine with dexamethasone (22.22%) and ifosfamide with gemcitabine (24.44%); 61 patients (57.54%) did not receive salvage **chemotherapy**. The **mobilization of hematopoietic stem cells** was attained in 83 ...

Cited by: 1

Author: Afonso José Pereira Cortez, Frederico Lui...

Publish Year: 2010

Childhood Hematopoietic Cell Transplantation ...

<https://www.cancer.gov/types/childhood-cancers/child-hct-hp-pdq> ▾

A dose-intensified **chemotherapy** regimen (with or without **radiation therapy**) with **hematopoietic stem cell support** is used to achieve a significantly higher cell kill than could be achieved without the use of **hematopoietic stem cell support**.

High-Dose Chemotherapy and Stem-Cell Rescue for ...

<https://www.nejm.org/doi/10.1056/NEJMoa067749>

Lotz JP, Bui B, Gomez F, et al. Sequential high-dose **chemotherapy** protocol for relapsed poor prognosis germ cell tumor combining two **mobilization** and cytoreductive treatments followed by three ...

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Successful stem-cell mobilization and transplantation ...

<https://europepmc.org/article/MED/21150242> ▾

2001-2010 · Pre-HSCT high-dose salvage chemotherapy was performed in 45 patients (42.4%) using regimens based on ifosfamide with etoposide (53.33%), cytarabine with dexamethasone (22.22%) and ifosfamide with gemcitabine (24.44%); 61 patients (57.54%) did not receive salvage chemotherapy. The mobilization of hematopoietic stem cells was attained in 83 ...