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Medical, ethical, and legal aspects of hematopoietic stem cell transplantation of crohn's disease in brazil

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Milton Artur Ruiz, Roberto Luiz Kaiser Junior, Lilian Piron-Ruiz, Priscila Samara Saran, Lilian Castiglioni, Luiz Gustavo de Quadros, Tainara Souza Pinho, Richard K Burt

Abstract

Crohn's disease (CD) is a chronic inflammatory bowel disease that can affect any part of the gastrointestinal tract. Of unknown etiology, genetic, epigenetic, environmental, and lifestyle factors could play an essential role in the onset and establishment of the disease. The disease results from immune-dysregulation due to loss of the healthy symbiotic relationship between host and intestinal flora and or its antigens. It affects both sexes equally with a male to female ratio of 1.0. and its onset can occur at any age.

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2011-3-8 · Allogenic hematopoietic stem cell transplantation (HSCT) remains the only potentially curative therapy. Unfortunately, the subgroup of adult thalassemia patients with hepatomegaly, portal fibrosis and a history of irregular iron chelation have an elevated risk for transplantation-related mortality that is currently estimated to be about 29 percent.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3063251>

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Abstract

Introduction

A European Overview

Medical and Ecc



Hematopoietic stem cell transplantation (HSCT) is one of a range of therapeutic options available to patients suffering from various diseases. HSCT procedure involves important ethical and legal aspects





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Dec 15, 2015 - Crohn **disease** is a chronic relapsing inflammatory condition of the gastrointestinal (GI) tract that can result in lifelong ill health, impaired quality of life, and reduced life expectancy. 1 Immunosuppressive drugs are standard of care for Crohn **disease**, but some patients do not respond or lose response to treatment. 1-3 **Hematopoietic stem cell transplantation** (HSCT) might have a role ...

Cited by: 133 **Author:** Christopher J. Hawkey, Matthieu Allez, Mi...
Publish Year: 2015

[\(PDF\) Hematopoietic stem cell transplantation in a severe ...](#)

https://www.researchgate.net/publication/320614440_Hematopoietic_stem_cell...

Importance Case reports and series suggest **hematopoietic stem cell transplantation** (HSCT) may benefit some patients with Crohn **disease**. Objective To evaluate the effect of autologous HSCT on ...

Stem Cell Transplantation

Medical Procedure

Involves replacement of damaged or diseased blood forming cells (stem cells) with healthy stem cells.

Type of procedure: Minimally invasive

Recovery time: Can take several weeks

Duration: About 20-30 minutes

Hospital stay: Typically a few days

May treat

[See all \(10+\)](#)

Aplastic Anemia

Extremely rare

Aplastic anemia is a disease in which the body fails to produce blood ...

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Sickle Cell Anemia

Rare

Sickle cell disease is a group of blood disorders typically inherited from a ...

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What to expect before procedure

- Before the procedure, the healthcare provider performs a physical exam and takes a medical history.
- Several tests are performed to assess general health condition and what type of stem cells should be transplanted.
- In case of cancer patients, chemo and radiation therapy might be given before the procedure as part of the conditioning process.
- The procedure may require a hospital stay of several days, so prepare in advance for the same and make sure to get the necessary personal belongings.

What to expect during procedure