



## The role of the nurse in the transplantation of the peripheral hematopoietic stem cell

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### Abstract:

**INTRODUCTION:** Stem cell transplantation is a modern way of treating certain hematological diseases and solitary tumors.

A blood stem cell transplant is a steadily increasing and is making progress, making transplantation an option for the treatment of many patients. The transplant itself may be allogeneic or autologous.

Allogeneic hematopoietic stem cell transplantation involves taking stem cell from a matched family or matched unrelated donor.

In autologous transplantation, the stem cells are collected from the patient at a certain stage at the disease, they are frozen as preserved and then returned to the patient after applying high doses of chemotherapy.

The process of separating stem cells from the blood is called apheresis, where the blood circulates through a special apparatus called the cellular separator and stores the stem cells from the blood.

Treatment is carried out in several stages where the nurse plays major roll. She must have years of experiences in this field in order to be part of a multidisciplinary team.

**THE GOAL:** The main goal of the work is to determine the importance of nurses in the units where the stem cell transplantation is performed. The importance of applying the nursing process to its procedures and nursing documentation should also be determinate.

**MATERIAL AND METHODS:** Documentation analysis and post-review

**THE RESULTS:** The results achieved and presented numerically and descriptively.



### Biography:

Marija Deretic is working as a nurse in the internal oncology department for the last eight years. Prior to that, she has two more years of experience in medicine in the emergency room, this year completing ten years of nursing experience.

The job description is a patient care, medication application, patient care and education plan, high knowledge of chemotherapy preparation, and the application itself and pre medication prior to chemotherapy itself. Marjia is also working in a unit of stem cell transplant where only nurses with many years of experience can perform. Working on a various medical project, participate in seminars and congresses, some of them has been published in public medical journals.

One of the congresses in which she presented work was the National Fifth Congress of Health with International Participation, also participated in the Alliance of

Health workers of Vojvodina emergencies from primary to tertiary health level.

### Publication of speakers:

1. Isolated Inflammatory Arthritis of the Atlantooccipital Joint Confused with Migraine, 2018.