



### STEM CELL DONATION

#### Why is stem cell research necessary?

In many life-threatening diseases, such as leukemia and other hematopoietic disorders, only bone marrow / stem cell transplantation can cure and save a patient's life.

#### What are hematopoietic stem cells?

Hematopoiesis takes place in the bone marrow in human bodies. Red blood cells, white blood cells and platelets are being produced from these stem cells throughout our lives. Some stem cells are also found in our blood.

#### What does it mean to be a stem cell donor?

Anyone who registers in the Hungarian Stem Cell Donor Registry undertakes that if her/his hematopoietic stem cells represent a cure for a given unknown patient, based on her/his histological properties, s/he is willing to give bone marrow or stem cells.

#### How is the stem cell taken from the donor?

Similar to blood donation, the stem cells are collected from the blood through a vein. Sometimes bone marrow is needed for the patient. In this case the stem cells are extracted from the hip bone under anesthesia or spinal anesthesia.

#### Can I apply to be a stem cell donor?

Yes, if

- ✓ You are a healthy adult between the ages of 18 and 45
- ✓ You have donated blood at least once
- ✓ You undertake stem cell donation to any patient in need

#### What should I need to do to be a stem cell donor?

1. Find out about the topic so you can make an informed decision.
2. If you have not already done so, donate blood at any blood donation site.
3. Apply to the nearest Donor Center where preliminary blood tests will be performed. You can find the address list on our website.
4. Once you have made your decision, the last step is to sign the Consent form and you will be entered in the Hungarian Stem Cell Donor Registry.

#### Where can I learn more about stem cell donation? Who can I ask?

<https://www.ovsz.hu/en/csv>

e-mail: [hbmdr@ovsz.hu](mailto:hbmdr@ovsz.hu)