BE THE MATCH

Blood Stem Cell Curriculum

INTRODUCTION:

Short Answer:

1. What is the age range a person must fall within to donate blood stem cells?

2. The ideal age range of a person to donate stem cell is from \_\_\_\_ years to \_\_\_\_ years old.

3. What is the purpose of Angels in Disguise?

Essay:

4. In thinking about the need for donors, what could your HOSA Chapter do to impact the number of available donors?

MODULE ONE:

Short Answer:

1. What are the three key elements created by bone marrow and their function?

2. Describe the three types of hematopoietic cell transplants.

3. What is the difference between allogeneic and autologous transplants?

4. Why is it possible to donate stem cells to someone with a different blood type?

5. Currently, how many diseases can be treated with blood stem cell transplant?

MODULE TWO:

Short Answer:

1. What determines if donor and patient are a match for blood stem cells?

2. What is the percentage of individuals who would find a match with a sibling?

3. What is the percentage of individuals who would need to find a genetically matched unrelated donor?

MODULE THREE:

Short Answer:

1. What percentage is represented by people of African descent in the Be The Match registry?

2. Name two of the three reasons it is felt that underrepresentation is low for bone marrow registry?

Research

3. Research the Tuskegee Studies and describe the study and the impact the studies may have had on the African American community.

Essay:

4. Compare and contrast the role of the donor and the recipient of blood stem cell transplant.

MODULE FOUR:

Short Answer:

1. What is the percentage of African Americans who are in the registry that have a unique HLA or tissue type?

2. Name three ways that stem cells can be donated.

MODULE FIVE:

Short Answer:

1. What percentage of donors give through circulating blood or peripheral blood stem cell (PBSC) donation?

2. Why are filgrastim injections given for 5 days prior to PBSC donation?

3. What are potential side effects of filgrastim injections?

4. When can a PBSC donor expect full recovery?

5. What percentage of donors are asked to provide bone marrow donation?

6. What should the bone marrow donor expect during donation?

7. What are potential side effects from a bone marrow donation?

8. When can a bone marrow donor expect full recovery?

9. When is cord blood donated?

MODULE SIX:

Short Answer:

1. What is the typical time period for a recipient to develop a normal blood cell count

2. Explain graft-versus-host disease (GVHD).

MODULE SEVEN:

Short Answer:

1. What is the average number of registrants who actually donate?

2. What legislative act protects the confidentiality of the donor and recipient?

MODULE EIGHT:

Short Answer:

1. What two things are required for the donor and recipient to meet in the United States?

MODULE NINE:

Short Answer:

1. Name three ways to join the Be the Match registry?