THE MATCHING PROCESS FOR ORGAN TRANSPLANT

MICHAEL

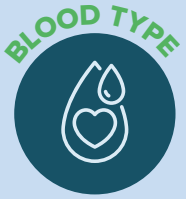
JULIA

DESMOND

RACHELLE

Michael, Julia, Desmond and Rachelle are all Indiana residents and currently on the transplant waiting list in need of a lifesaving organ transplant. What factors pictured below will be considered in the matching process? Be advised they all have B+ blood type.

- Discuss each of the pictures below and circle which factors you think will be considered in the selection process.
- Put an X through factors you do not think will aid in the decision-making process.



SCENARIO QUESTIONS: DISCUSS AND ANSWER EACH OF THE FOLLOWING SCENARIOS.

Two people are waiting for transplants — Michael and Julia. They each live in the Indianapolis area, weigh approximately 70 pounds, have been on the transplant list for one year and have reached a point where the need for a heart transplant is critical. In addition, Julia's condition has reached a point where she has been admitted to the hospital in order to continue her care, while Michael's health status allows him to remain at home.

- A heart has become available from a registered donor who is a young male. Which recipient should receive the heart, and why?

Rachelle and Desmond were born with genetic kidney diseases and are each in need of a kidney transplant. They both live in Indiana, have been on the waiting list approximately three years and weigh approximately 90 pounds. Desmond has been admitted to the hospital, as his kidney disease has progressed. Rachelle is able to remain home and attend school, while doing outpatient dialysis.

- A kidney becomes available from a registered donor who is young, female and lives in Ohio. Who do you think will receive a kidney transplant, and why?

WHAT IS TISSUE DONATION

Did you know that tissue from a donor can save and heal up to 75 people? Tissue is made of cells; in fact, all living things are composed of one or more cells.

Match a correct tissue with the statements below. Not every word will be used.

skin graft | ligament | tendon | heart valve | bone graft | cornea | vein

1. This tissue improves blood flow through Devon's heart.

_____

2. These tissues repair knee and joint injuries, restoring mobility for injured athletes such as Jessica, and others such as Edwin with knee and joint issues. (Two answers from above.)

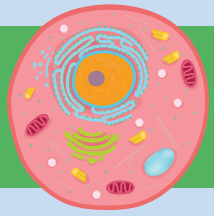
_____ _____

3. This thin, transparent tissue covering found on the front of the eye restores Caleb's sight when it was damaged by disease, infection or injury.

_____

4. This tissue helps patients like Maria with severe burns by providing a temporary covering, decreasing pain and lowering the chance of infection.

_____



Did you know? Cells are amazing! They can divide and produce identical copies of themselves. The reason they do this is to replace worn-out cells. This process is called mitosis.

1. Unfortunately, when a patient has been severely burned, thepatient's skin cells may not entirely heal the burn. What do you think doctors can do to help heal these patients?

2. Can you describe how the liver and mitosis are related?