

The Perfect Storm: A Low-Performing Biotech Plant

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Ages for Transplant

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Really anybody is capable of having a kidney transplant. There is no specific age group. A kidney transplant could be needed for a little kid, teenager, or an older adult. It all depends on if there kidney is working or not.

Function of the Kidney

- Filters waste products in the blood
- Removes excess fluid
- Returns nutrients to the bloodstream
- Helps regulate blood pressure

Video Link

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<http://www.nebraskamed.com/health-library/3d-medical-atlas/65/kidney-transplant>

What is a Kidney Transplant?

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A kidney transplant is a surgery in which you replace the diseased kidney with a new healthy kidney.

Procedure for receiving donated kidney

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- They are given anesthesia
- The surgeon makes a cut on the patients lower belly and places the new kidney into the lower stomach
- The artery and the vein of the new kidney are connected to the artery and vein of the pelvis

There are two types of donors

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- Living Donor, which can be someone related or someone not related.
- Deceased Donor, meaning they recently passed away and they have a healthy kidney.

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- If a the patient isn't compatible for a living donor kidney they are then added to the deceased donor list.
- Because there are fewer available kidneys than there are people waiting for a transplant, the waiting list continues to grow.
- The waiting time for a deceased donor kidney can be a year or longer.

After the procedure

- The patient that received the kidney will need to stay in the hospital 3-7 days after the procedure is performed
- Need regular blood tests every 1-2 months
- The full recovery time can last up to 6 months

Cites

- <http://www.cdm.com/a-top-40-bio-tech-companies-2016/>
- <http://www.nlm.nih.gov/medlineplus/ency/article/003065.htm>
- <http://www.cdc.gov/healthcare.org/transplant/kidney-kern-plant-why-consider.html>

Risks

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- Rejection of the new kidney
- Severe infection
- Bleeding
- Reaction to the anesthesia, used before the surgery.
- Failure of the donor kidney



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