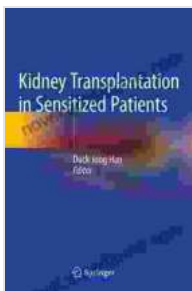


Kidney Transplantation in Sensitized Patients: A Comprehensive Guide

Kidney transplantation is the treatment of choice for end-stage renal disease (ESRD). However, for patients who have developed antibodies against donor antigens, kidney transplantation can be a challenge. These patients are known as sensitized patients.



Kidney Transplantation in Sensitized Patients

by VL DeAlexander

★★★★★ 5 out of 5

Language : English
File size : 18439 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 261 pages



Sensitization can occur after a blood transfusion, pregnancy, or a previous organ transplant. Once a patient is sensitized, it becomes more difficult to find a suitable donor. This is because the antibodies can attack the donor kidney and cause rejection.

Challenges in Kidney Transplantation for Sensitized Patients

The main challenge in kidney transplantation for sensitized patients is finding a suitable donor. The ideal donor is one who has no antibodies against the patient's antigens. However, this can be difficult to find.

Another challenge is that sensitized patients are more likely to experience rejection after transplantation. This is because the antibodies can attack the donor kidney and damage it.

Approaches to Kidney Transplantation in Sensitized Patients

There are a number of approaches that can be used to increase the chances of successful kidney transplantation in sensitized patients. These approaches include:

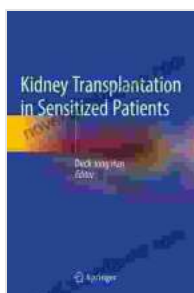
* **Desensitization:** Desensitization is a process that aims to reduce the number of antibodies in the patient's blood. This can be done through a variety of methods, such as plasmapheresis, intravenous immunoglobulin (IVIG), and rituximab. * **HLA matching:** HLA matching is a process of finding a donor whose antigens are as similar as possible to the patient's antigens. This can help to reduce the risk of rejection. * **Crossmatch:** A crossmatch is a test that is performed to determine if the patient's antibodies will react with the donor's antigens. A positive crossmatch means that the patient is likely to experience rejection if they receive a kidney from that donor. * **Living donor transplantation:** Living donor transplantation is a good option for sensitized patients because it allows for better HLA matching. This can help to reduce the risk of rejection. *

Deceased donor transplantation: Deceased donor transplantation is another option for sensitized patients. However, it is more difficult to find a suitable donor from a deceased donor pool.

Kidney transplantation is a life-saving treatment for patients with ESRD. However, for sensitized patients, kidney transplantation can be a challenge. There are a number of approaches that can be used to increase the chances of successful kidney transplantation in sensitized patients. These

approaches include desensitization, HLA matching, crossmatch, living donor transplantation, and deceased donor transplantation.

Disclaimer: The information provided in this article is for general knowledge and informational purposes only, and does not constitute medical advice. It is essential to consult with a qualified healthcare professional for any health concerns or before making any decisions related to your health or treatment.

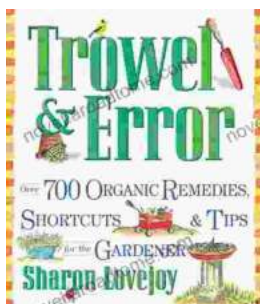


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