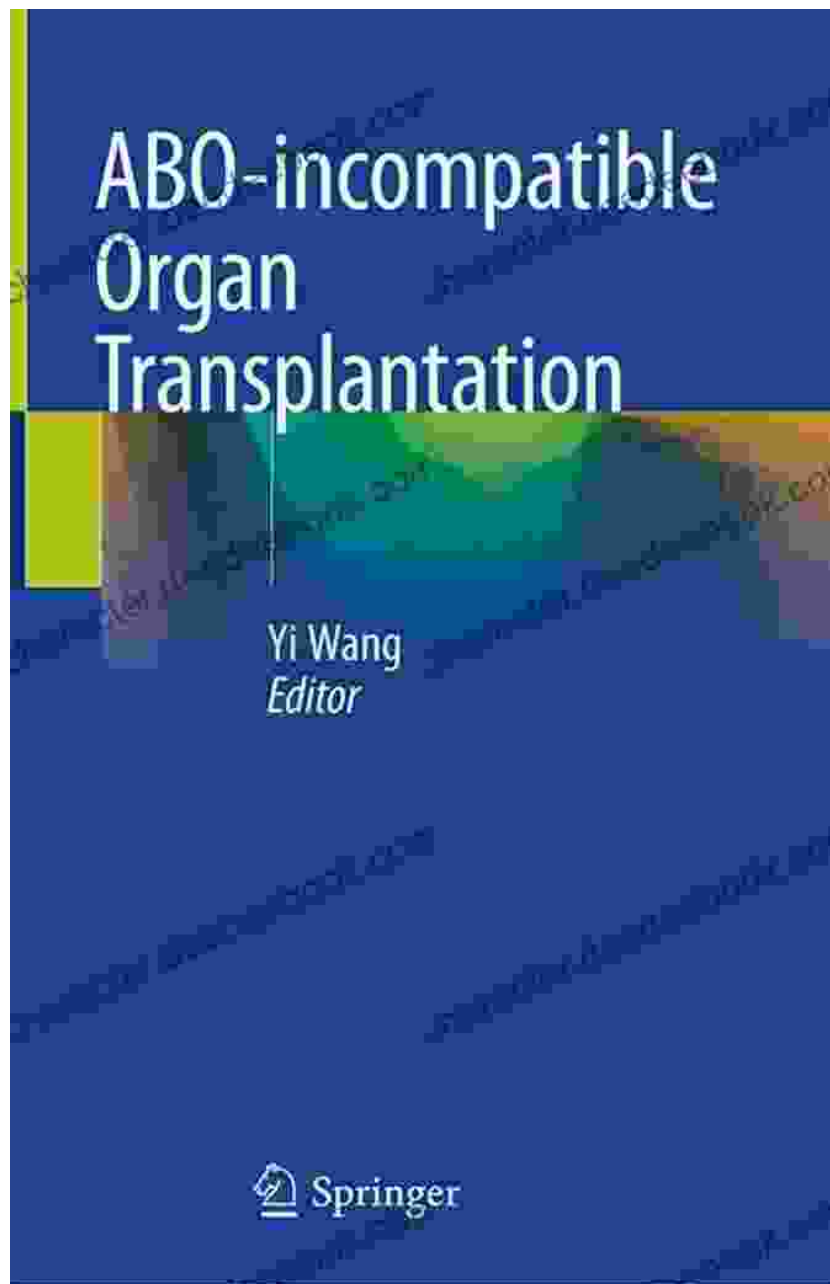


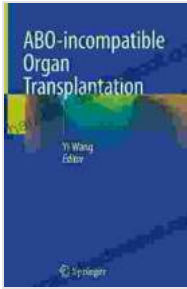
ABO Incompatible Organ Transplantation: A Comprehensive Guide

What is ABO incompatible organ transplantation?



ABO-incompatible Organ Transplantation by Yi Wang

★★★★☆ 4.7 out of 5



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Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 422 pages



ABO incompatible organ transplantation is a type of organ transplantation in which the donor and recipient have different ABO blood types. The ABO blood group system is a classification of blood based on the presence or absence of certain antigens on the surface of red blood cells. There are four main ABO blood types: A, B, AB, and O. People with type A blood have only A antigens on their red blood cells, people with type B blood have only B antigens, people with type AB blood have both A and B antigens, and people with type O blood have neither A nor B antigens.

In ABO incompatible organ transplantation, the donor and recipient have different ABO blood types. This can lead to a number of complications, including rejection of the transplanted organ. The immune system of the recipient recognizes the donor organ as foreign and attacks it. This can lead to damage to the organ and, eventually, rejection.

Who can receive an ABO incompatible organ transplantation?

Not everyone can receive an ABO incompatible organ transplantation. The best candidates are those who have a high level of antibodies against the donor organ. This means that their immune system is less likely to reject

the organ. Candidates who have a low level of antibodies against the donor organ are more likely to experience rejection.

Other factors that can affect the success of an ABO incompatible organ transplantation include the type of organ being transplanted, the size of the organ, and the length of time the organ is stored before transplantation.

What are the risks of ABO incompatible organ transplantation?

There are a number of risks associated with ABO incompatible organ transplantation, including:

- Rejection of the transplanted organ
- Hemolytic transfusion reaction
- Thrombotic microangiopathy
- Infection
- Death

How is ABO incompatible organ transplantation performed?

ABO incompatible organ transplantation is performed in a similar way to ABO compatible organ transplantation. The donor organ is removed from the donor and transplanted into the recipient. However, there are some additional steps that must be taken to prevent rejection of the organ.

Before the transplantation, the recipient is given a series of blood transfusions to reduce the level of antibodies against the donor organ. This helps to prevent the immune system from attacking the organ.

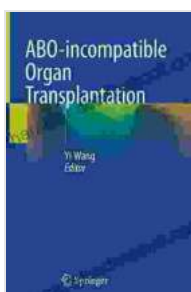
After the transplantation, the recipient is given immunosuppressive drugs to prevent rejection of the organ. These drugs work by suppressing the immune system so that it does not attack the organ.

What is the success rate of ABO incompatible organ transplantation?

The success rate of ABO incompatible organ transplantation depends on a number of factors, including the type of organ being transplanted, the size of the organ, the length of time the organ is stored before transplantation, and the level of antibodies against the donor organ in the recipient.

In general, the success rate of ABO incompatible organ transplantation is lower than the success rate of ABO compatible organ transplantation. However, with careful planning and management, ABO incompatible organ transplantation can be successful.

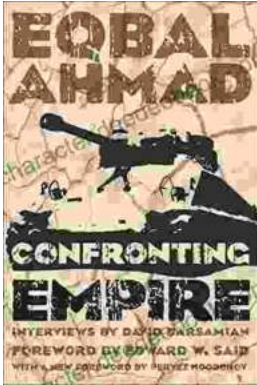
ABO incompatible organ transplantation is a complex procedure, but it can be successful with careful planning and management. The success rate of ABO incompatible organ transplantation is lower than the success rate of ABO compatible organ transplantation, but it can still be a life-saving procedure for patients who need an organ transplant.



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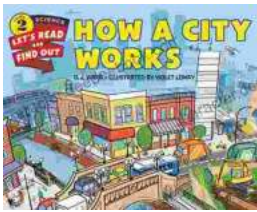
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