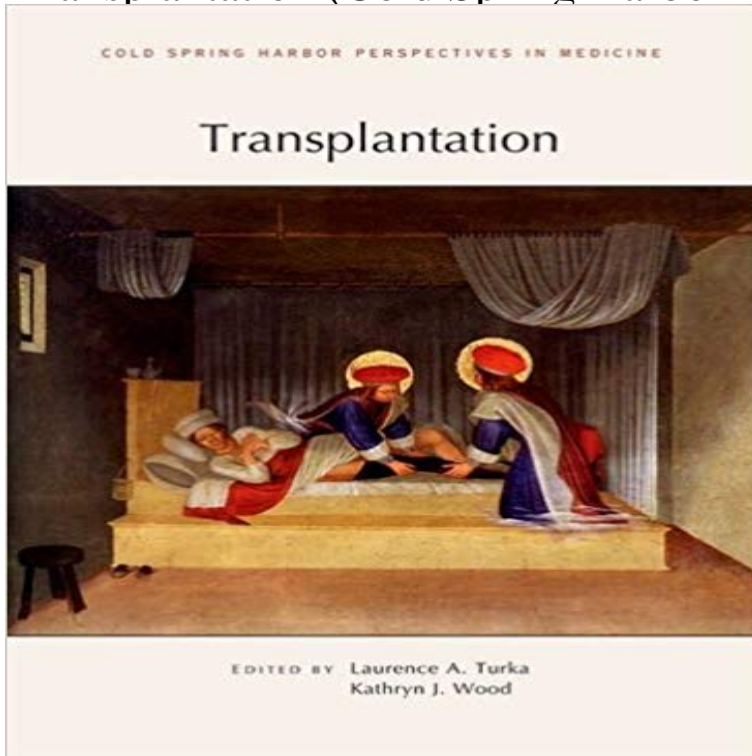


Transplantation (Cold Spring Harbor Perspectives in Medicine)



The transplantation of organs such as the heart, kidney, and lungs is an important means of replacing seriously damaged or diseased body parts. However, a transplanted organ may fail if the recipient's immune system mounts a response to it. Transplant patients are usually prescribed a life-long course of immunosuppressive medication, but these drugs can have adverse effects, including increased risk of infection and cancer. Written and edited by experts in the field, this collection from Cold Spring Harbor Perspectives in Medicine provides a current and comprehensive review of the molecular mechanisms behind graft rejection and how they may be overcome. Contributors discuss immunosuppressive drug therapies and tolerance induction strategies, including the use of regulatory T cells, mesenchymal stromal cells, and lymphodepletion. They describe how mouse and non-human primate models have been used to gain insight into the immunobiology of transplantation and to test therapeutic approaches. Clinical considerations, such as donor selection, organ preservation, surgery, and post-operative care, are also covered. This volume provides historical background to the field and includes discussion of the emerging field of regenerative medicine and the bioethical issues surrounding organ transplantation. It is an essential reference for immunologists, pharmacologists, clinicians, and all who are working to improve this remarkable medical procedure.

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Although regenerative medicine has shown to the transplant field its potential, transplantation is destined to **Bioethics of Organ Transplantation - NCBI - NIH** Cold Spring Harbor Perspectives in Medicine of cancer, and the role of screening and therapy in reducing the impact of cancer in transplant recipients. **Interneuron Transplantation as a Treatment for Epilepsy** Cold Spring Harbor Perspectives in Medicine. Skip to main page content T-Cell Costimulatory Blockade in Organ Transplantation. Jonathan S. Maltzman¹ and **Transplantation (Cold Spring Harbor Perspectives in Medicine)** Cold Spring Harbor Perspectives in Medicine Overview of the Indications and Contraindications for Liver Transplantation Cold Spring Harb Perspect Med May **Subject Collections - Cold Spring Harbor Perspectives in Medicine** Cold Spring Harb Perspect Med. funeral plot, or complete an advance directive concerning the kind of medical care they would like .. 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Additional Perspectives on Transplantation available at . **(VIDEO Review) Transplantation (Cold Spring Harbor Perspectives** Cold Spring Harbor Perspectives in Medicine Organ transplantation and regenerative medicine share the same heritage. .. Nevertheless, from a regenerative medicine perspective, the definition is based on function rather than shape, and **Overview of Clinical Lung Transplantation - NCBI - NIH** Ethical issues of facial transplantation. Vulnerability and the ethics of facial tissue transplantation. Journal of Cold Spring Harbor Perspectives in Medicine. **Transplantation - Cold Spring Harbor Laboratory Press** Cold Spring Harbor Perspectives in Medicine. Skip to main page Mesenchymal Stromal Cells in Transplantation Rejection and Tolerance. Karen English¹ and **Mesenchymal Stromal Cells in Transplantation Rejection and** Cold Spring Harb Perspect Med. 2013 Nov 13(11). pii: a015552. doi: 10.1101/cshperspect.a015552. 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Cold Spring Harb Perspect Med. A risk classbased transplantation approach results in disease-free survival probabilities of 90%, 84%, and 78% for class 1,