



Organtransplantation in Rats and Mice

By Timmermann, Wolfgang / Gassel, Heinz-Jochen

Condition: New. Publisher/Verlag: Springer, Berlin | Microsurgical Techniques and Immunological Principles | Main focus of the new book will be the description and discussion of rat and mouse models for organ transplantation. Various microsurgical techniques will be presented which allow transplantation of functional organs in syngeneic systems. In particular, the extremely difficult methods necessary for organ transplantation in mice will be presented and evaluated. Besides these practical aspects the book will also cover the theoretical sides of organ transplantation like the immunobiology of allotransplantation. Special emphasis will be given to the resurgent field of xenotransplantation. The results from xenograft models developed in the recent years using rats or mice will be reviewed and their impact on future human xenotransplantation will be discussed. | 'History and Development of Experimental Microsurgery.- Organ Transplantation in Mice: Current Status and Future Prospects.- Experimental Microsurgery as an Educational Concept and Scientific Basis for a Research Group: Principles of the Technical Development of Animal Models in Transplantation Research.- Basic Requirements for Research with Small Rodents.- Guidelines for the Use and Care of Small Laboratory Animals in Transplantation Research.- Technical Aids and Training Program for Microsurgery.- Statistical Methods in Small Animal Experimentation.- In Vitro Analysis of Transplantation...



READ ONLINE
[5.77 MB]

Reviews

Good eBook and helpful one. It really is written in straightforward words and phrases and never confusing. I am just effortlessly could possibly get a enjoyment of looking at a published book.

-- **Romaine Rippin**

The book is great and fantastic. it absolutely was written very properly and beneficial. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Lyda Davis II**