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Titolo	Rodent Transplant Medicine / / edited by Weihua Gong
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ISBN	94-017-9472-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (171 p.)
Disciplina	610 616.027 616079 617954
Soggetti	Transplantation of organs, tissues, etc Animal models in research Immunology Transplant Surgery Animal Models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Rodent Transplantation Medicine -- T Cell Costimulatory Molecules -- Age in Rodent Organ Transplantation -- Role of Gender in Animal Transplantation -- Role of Body-Weight/Functioning Mass of Graft in Rodent Transplantation -- Illustration of Laboratory Facilities and Microsurgical Instruments -- Organ Preservation -- Rat Kidney Transplantation -- Rat Orthotopic Liver Transplantation -- Mouse Skin Transplantation -- Mouse Heterotopic Abdominal Heart Transplant Model -- Mouse Heterotopic Cervical Heart Transplant Model -- Mouse kidney Transplantation -- Mouse Liver Transplantation.
Sommario/riassunto	This book introduces transplantation in rodents as useful tools used in studying transplant immunobiology. Several solid organs (kidney, heart, liver) transplant models in rodents are described in this book. It can help surgical quality and save surgical time. The first part of the book provides a review of rodent transplant tolerance induction, the role of gender and body-weight in rodent transplantation, surgical instruments and organ preservation solutions. In the second part of the

book, various organ-transplantation techniques in rodents are discussed in individual chapters. This book presents uniform surgical procedures in mouse and rats, which produce comparable data, efficiently enhancing the translational research from bench to non-human primates and beyond. It will be of great value to transplant researchers, research fellows and clinicians in many surgical specialties. Editor Weihua Gong is an Associate Professor at the Department of Surgery, the 2nd Affiliated Hospital of Zhejiang University, China.