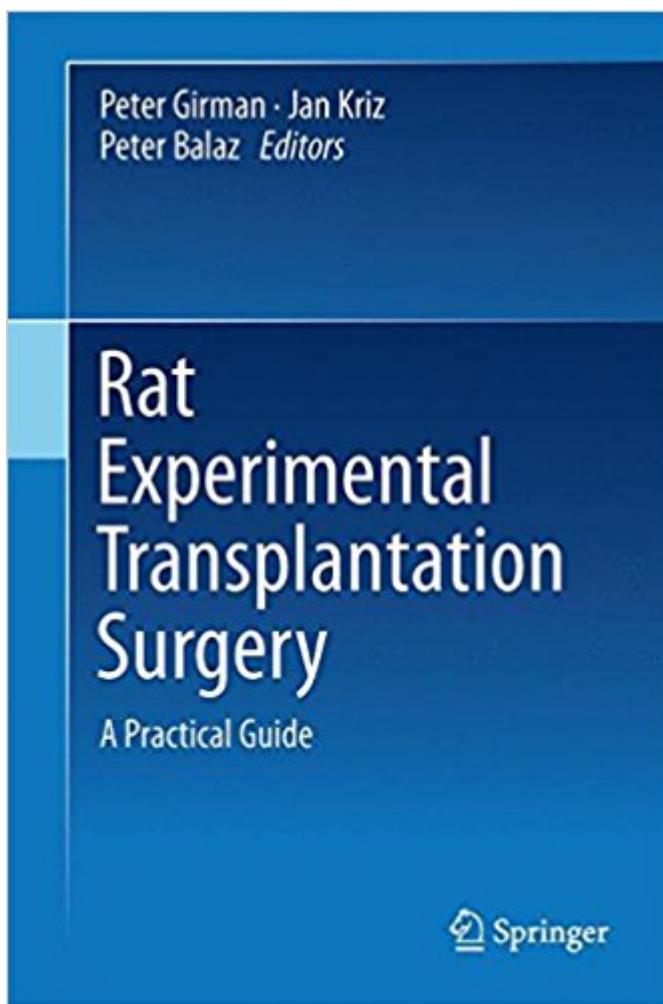


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Rat Experimental Transplantation Surgery: A Practical Guide



Synopsis

The aim of the book is to describe tested microsurgical procedures of kidney, pancreas, islets, heart, liver and small bowel transplantation. All procedures written in the book are used in our experimental research laboratory and their description will be provided by an experienced researcher. The book is organized into "General" and "Specific" sections. The "General" section will include principles, doses and available drugs for rat anaesthesia, the surgical anatomy of the rat, a brief review of immunosuppressants used in rat models, a description of basic surgical techniques and blood sampling. The "Specific" section will include a description of the rat model with the appropriate organ failure relevant to the organ transplantation, which will be followed by a detailed description of the surgical procedure with high quality pictures of key steps. Each chapter will describe "tips and tricks" including practical advice and recommendations.

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Customer Reviews

"This is a fundamental book for researchers interested in starting or continuing work in an animal laboratory. The book is of high quality and I imagine it would be of great benefit to any students and researchers participating in these procedures. I am sure it would be helpful to people involved in animal research that isn't necessarily even related to transplant." (Krishna G, Putchakayala, Doody's Book Reviews, March, 2016)

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liver and small bowel transplantation. All procedures written in the book are used in our experimental research laboratory and their description will be provided by an experienced researcher. The book is organized into "General" and "Specific" sections. The "General" section will include principles, doses and available drugs for rat anaesthesia, the surgical anatomy of the rat, a brief review of immunosuppressants used in rat models, a description of basic surgical techniques and blood sampling. The "Specific" section will include a description of the rat model with the appropriate organ failure relevant to the organ transplantation, which will be followed by a detailed description of the surgical procedure with high quality pictures of key steps. Each chapter will describe "tips and tricks" including practical advice and recommendations.

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