Bettina Marty

Endovascular Aneurysm Repair
From Bench to Bed

With 61 Figures (Some in Colour)
In 109 separate Illustrations and 13 Tables

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In 1997, Dr. Marty visited Montefiore Medical Center in New York to pursue her research in endovascular aneurysm repair. During her 12 months stay, I had the pleasure to work closely with her. At Montefiore Medical Center, we have accepted over 20 researchers from around the World over the last 10 years. Among them, Bettina distinguished herself with her creativity, curiosity, and persistence, some of the most important abilities to be a successful surgeon scientist.

Dr. Marty is an established researcher in the field of vascular surgery and this book is a summary of her work in the field of aneurysm therapy. Some of her earlier investigations included basic research related to biological response to endoprostheses. When she proceeded to analyze the effect of endoleaks following endovascular repair in canines, many believed that the presence of an endoleak meant that the aneurysm was untreated and conversely, that absence of an endoleak guaranteed successful outcome. Dr. Marty challenged this conventional wisdom and conducted a study that is summarized in this book, while the second part of this book describes problems and solutions in the clinical setting. Dr. Marty has a very well balanced approach where she identifies problems in the clinical setting and takes them to the laboratory to solve them. I believe that this is an ideal approach and should be a role model for many surgeon scientists.

This book also provides a summary of the field of endovascular aneurysm repair and gives one a nice review of how this exciting field has evolved over the last ten years.

I recommend this book to be read by not only those clinicians taking care of patients with aneurysms but also young surgeon scientists who wish to understand some of the important issues in this field.

Takao Ohki
The advent of endovascular surgery represents a quantum leap in the evolution of vascular surgery. My professional career coincided with the exciting decade of endovascular surgery in the nineties. I had the opportunity to start first with experimental studies giving me insight into the biological response towards these new endoprosthetic devices and also the fate of the aneurysm left in situ. Later I performed endovascular aneurysm surgery in patients, and I encountered new and different challenges. The goal of this book was to summarize my own experience in endovascular surgery from the experimental beginning to clinical practice. It represents a document of our time illustrating a surgeon’s growing personal experience on a small scale, while a dramatic upheaval in aneurysm surgery takes place worldwide.

I am very grateful to Karl Ludwig von Segesser whose leadership, knowledge and expertise have guided my vascular surgery career. I wish to thank Adam Fischer who taught me vascular surgery with responsibility, honesty and respect as the principles that guide all professional and personal relationships. I am deeply grateful to my father whose admirable standard and practice of surgery and patient care have earned my greatest respect.

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Contents

Introduction ......................................................... 1
Historical background ........................................... 3

Experimental studies
1 Quantification of radial pressure caused by bare and covered Wallstents ................. 11
2 Latex covering of Palmaz stents and its effect on stent expansion ......................... 19
3 The healing response towards polyurethane covered Wallstents – A histological investigation .............................................. 26
4 Biological fixation of polyester vs polyurethane covered stents in a porcine model .... 40
5 Animal models for endovascular graft application ............................................. 52
6 Endoleaks following endovascular repair of experimental aneurysms: Does coil embolization with angiographic ‘seal’ lower intra-aneurysmal pressure? ...................... 66
7 Does large oversizing of self-expandable endoprotheses compensate for aortic growth? ................................................. 78

Clinical applications
1 Classification of infrarenal aortic aneurysms with respect to endovascular suitability .......... 95
2 Systematic and exclusive use of intravascular ultrasound for endovascular aneurysm repair – The Lausanne experience ..................................................... 100
3 Endoprosthesis and intravascular ultrasound: The tools for straightforward repair of traumatic aortic rupture ................................................................. 113
4 Partial inflow occlusion facilitates accurate deployment of thoracic aortic endografts ......................................................... 123

Future perspectives .................................................. 131
Subject index ......................................................... 133