

---

# CONTENTS

---

Preface .....	v
Contributors .....	ix
Color Plates .....	xi

1 Hormonal Regulation of the Vascular System: An Overview .....	1
<i>Ronald Tamler and Derek LeRoith</i>	

## **Part I Diabetes and Cardiovascular Disease**

2 Epidemiology and Prevention of Cardiovascular Disease in Diabetes .....	19
<i>David S. Frankel and James B. Meigs</i>	
3 Disruption of the Nitric Oxide Signaling System in Diabetes .....	35
<i>Bobby D. Nossaman, Subramanyam N. Murthy, and Philip J. Kadowitz</i>	
4 Free Fatty Acids, A Major Link Between Obesity, Insulin Resistance, Inflammation, and Atherosclerotic Vascular Disease .....	61
<i>Guenther Boden</i>	
5 The Anti-Inflammatory and Antiatherogenic Effects of Insulin .....	71
<i>Pareesh Dandona, Ajay Chaudhuri, Husam Ghanim, and Priya Mohanty</i>	
6 Insulin Sensitizers and Cardiovascular Disease .....	81
<i>Tina K. Thethi, Shipra Singh, Vivian Fonseca</i>	
7 Screening for Cardiovascular Disease in Symptomatic and Asymptomatic Patients with Diabetes Mellitus .....	97
<i>Paolo Raggi and Leslee J. Shaw</i>	

## **Part II Endocrine Hypertension and Cardiovascular Events**

8 Renin-Angiotensin System .....	121
<i>L. Romayne Kurukulasuriya and James Sowers</i>	
9 Microalbuminuria and Chronic Kidney Disease as Cardiovascular Risk Factors .....	149
<i>Pantelis A. Sarafidis and George L. Bakris</i>	

## **Part III Obesity in Cardiovascular Disease**

10 Adiponectin and Cardiovascular Disease .....	171
<i>Medhavi Jogi and Mandeep Bajaj</i>	

**Part IV Sex Hormones and Vascular Disease**

- 11 Testosterone and Cardiovascular Disease.....187  
*Allen D. Seftel and Dr. Spencer Land*
- 12 Sexual Dysfunction and Cardiovascular Risk – Links and Solutions.....199  
*Glenn Matfin*

**Part V Of Interest**

- 13 Natriuretic Peptides and Cardiovascular Regulation ..... 219  
*Kailash N. Pandey*
- 14 Insulin-Like Growth Factors, Cardiovascular Risk Factors, and  
Cardiovascular Disease ..... 239  
*Islam Bolad and Patrice Delafontaine*
- Index .....247