

3rd Edition

HARRISON'STM

CARDIOVASCULAR MEDICINE

JOSEPH LOSCALZO



B0050866

ห้องสมุดวพบ.นครราชสีมา

Mc
Graw
Hill
Education

CONTENTS

Contributors	vii
Preface	xi

SECTION I INTRODUCTION TO CARDIOVASCULAR DISORDERS

1 Basic Biology of the Cardiovascular System	2
<i>Joseph Loscalzo, Peter Libby, Jonathan A. Epstein</i>	
2 Epidemiology of Cardiovascular Disease	18
<i>Thomas A. Gaziano, J. Michael Gaziano</i>	
3 Approach to the Patient with Possible Cardiovascular Disease	25
<i>Joseph Loscalzo</i>	

SECTION II DIAGNOSIS OF CARDIOVASCULAR DISORDERS

4 Chest Discomfort	32
<i>David A. Morrow</i>	
5 Dyspnea	45
<i>Richard M. Schwartzstein</i>	
6 Hypoxia and Cyanosis	52
<i>Joseph Loscalzo</i>	
7 Edema	57
<i>Eugene Braunwald, Joseph Loscalzo</i>	
8 Palpitations	63
<i>Joseph Loscalzo</i>	
9 Physical Examination of the Cardiovascular System	65
<i>Patrick T. O’Gara, Joseph Loscalzo</i>	
10 Approach to the Patient with a Heart Murmur. . . .	79
<i>Patrick T. O’Gara, Joseph Loscalzo</i>	
11 Electrocardiography	92
<i>Ary L. Goldberger</i>	
12 Noninvasive Cardiac Imaging: Echocardiography, Nuclear Cardiology, and Magnetic Resonance/ Computed Tomography Imaging.	105
<i>Marcelo F. Di Carli, Raymond Y. Kwong, Scott D. Solomon</i>	

13 Diagnostic Cardiac Catheterization and Coronary Angiography.	143
<i>Jane A. Leopold, David P. Faxon</i>	

SECTION III HEART RHYTHM DISTURBANCES

14 Principles of Electrophysiology	154
<i>David D. Spragg, Gordon F. Tomaselli</i>	
15 The Bradyarrhythmias: Disorders of the Sinoatrial Node.	164
<i>David D. Spragg, Gordon F. Tomaselli</i>	
16 The Bradyarrhythmias: Disorders of the Atrioventricular Node.	171
<i>David D. Spragg, Gordon F. Tomaselli</i>	
17 Supraventricular Tachyarrhythmias	179
<i>Gregory F. Michaud, William G. Stevenson</i>	
18 Ventricular Arrhythmias.	197
<i>Roy M. John, William G. Stevenson</i>	

SECTION IV DISORDERS OF THE HEART

19 Heart Failure: Pathophysiology and Diagnosis. . .	214
<i>Douglas L. Mann, Murali Chakinala</i>	
20 Heart Failure: Management.	224
<i>Mandeep R. Mehra</i>	
21 Cardiac Transplantation and Prolonged Assisted Circulation	239
<i>Sharon A. Hunt, Hari R. Mallidi</i>	
22 Congenital Heart Disease in the Adult	245
<i>Jamil A. Aboulhosn, John S. Child</i>	
23 Aortic Valve Disease.	259
<i>Patrick T. O’Gara, Joseph Loscalzo</i>	
24 Mitral Valve Disease.	274
<i>Patrick T. O’Gara, Joseph Loscalzo</i>	
25 Tricuspid and Pulmonic Valve Disease.	286
<i>Patrick T. O’Gara, Joseph Loscalzo</i>	
26 Multiple and Mixed Valvular Heart Disease. . .	292
<i>Patrick T. O’Gara, Joseph Loscalzo</i>	

27 Cardiomyopathy and Myocarditis296 <i>Neal K. Lakdawala, Lynne Warner Stevenson, Joseph Loscalzo</i>	42 Percutaneous Coronary Interventions and Other Interventional Procedures488 <i>David P. Faxon, Deepak L. Bhatt</i>
28 Pericardial Disease323 <i>Eugene Braunwald</i>	43 Hypertensive Vascular Disease497 <i>Theodore A. Kotchen</i>
29 Tumors and Trauma of the Heart333 <i>Eric H. Awtry, Wilson S. Colucci</i>	44 Renovascular Disease521 <i>Stephen C. Textor</i>
30 Cardiac Manifestations of Systemic Disease338 <i>Eric H. Awtry, Wilson S. Colucci</i>	45 Deep Venous Thrombosis and Pulmonary Thromboembolism527 <i>Samuel Z. Goldhaber</i>
31 Infective Endocarditis343 <i>Adolf W. Karchmer</i>	46 Diseases of the Aorta537 <i>Mark A. Creager, Joseph Loscalzo</i>
32 Acute Rheumatic Fever359 <i>Jonathan R. Carapetis</i>	47 Arterial Diseases of the Extremities546 <i>A. Creager Mark, Loscalzo Joseph</i>
33 Chagas Disease and African Trypanosomiasis . . .367 <i>Louis V. Kirchhoff, Anis Rassi, Jr.</i>	48 Chronic Venous Disease and Lymphedema557 <i>Mark A. Creager, Joseph Loscalzo</i>
34 Cardiogenic Shock and Pulmonary Edema374 <i>Judith S. Hochman, David H. Ingbar</i>	49 Pulmonary Hypertension565 <i>Aaron B. Waxman, Joseph Loscalzo</i>
35 Cardiovascular Collapse, Cardiac Arrest, and Sudden Cardiac Death382 <i>Robert J. Myerburg, Agustin Castellanos</i>	
SECTION V	
DISORDERS OF THE VASCULATURE	
36 The Pathogenesis, Prevention, and Treatment of Atherosclerosis394 <i>Peter Libby</i>	
37 Disorders of Lipoprotein Metabolism409 <i>Daniel J. Rader Helen H. Hobbs</i>	
38 The Metabolic Syndrome431 <i>Robert H. Eckel</i>	
39 Ischemic Heart Disease439 <i>Elliott M. Antman, Joseph Loscalzo</i>	
40 Non-ST-Segment Elevation Acute Coronary Syndrome (Non-ST-Segment Elevation Myocardial Infarction and Unstable Angina)461 <i>Christopher P. Cannon, Eugene Braunwald</i>	
41 ST-Segment Elevation Myocardial Infarction469 <i>Elliott M. Antman, Joseph Loscalzo</i>	
	SECTION VI
	CARDIOVASCULAR ATLASES
	50 Atlas of Electrocardiography575 <i>Ary L. Goldberger</i>
	51 Atlas of Noninvasive Imaging593 <i>Marcelo F. Di Carli, Raymond Y. Kwong, Scott D. Solomon</i>
	52 Atlas of Cardiac Arrhythmias605 <i>Ary L. Goldberger</i>
	53 Atlas of Percutaneous Revascularization618 <i>Jane A. Leopold, Deepak L. Bhatt, David P. Faxon</i>
	Appendix631
	Laboratory Values of Clinical Importance631 <i>Alexander Kratz, Michael A. Pesce, Robert C. Basner, Andrew J. Einstein</i>
	Review and Self-Assessment653 <i>Charles M. Wiener, Cynthia D. Brown, Brian Houston</i>
	Index725