Contents

Гhе	Author	ix
	Section I	
	INTRODUCTION	
1	Introduction: Coaching Objectives in Medical Education	3
	Section II	
	A PROGRAM IN FORENSIC PATHOLOGY	
2	The Forensic Pathology Residency Program with Rotations	9
	Section III	
	FORENSIC PATHOLOGY ESSENTIALS	
3	The Governmental Role in Forensic Pathology	33
4	The Medical Examiner and Coroner Systems with Comparisons and Evaluations	39
5	The Academic Discipline of Forensic Pathology	45
6	Scene Investigation	51
7	Identification: Problems and Methods	57

vi	i (Сс	nt	en	ts

8	Postmortem Changes (Signs of Death)	63
9	The Medical Legal Autopsy and the Ethics of Pathological Diagnosis by Forensic Pathologists; Suicide as a Topic Area in Forensic Pathology	69
10	The Cause and Mechanisms of Death: Natural Death and the Changes of Aging; Geriatric Pathology; and End-of-Life Care, Hospice Care, and Palliative Care	79
11	Sudden Death: Forensic Clinical Microbiology	83
12	Physical Trauma	87
13	Secondary Effects and Complications of Trauma	91
14	Gunshot Wounds	95
15	Incised and Stab Wounds	101
16	Asphyxiation	105
17	Blunt Force Injuries and Pediatric Homicide	109
18	Electrical and Thermal Injury	113
19	Gas Asphyxiation	115
20	Occupational Diseases	119
21	Sexual Deaths and Serial Deaths	123
22	Infanticide, Abortion, and Crib Death	127

23	Alcoholism and Deaths from Addiction	131
24	Analytical Toxicology	135
25	Classification of Death; Therapeutic Misadventures	143
26	Trace Evidence and Criminalistics; Forensic Science	147
27	Recent Advances in Medical Ethics Affecting Forensic Medicine and Pathology	153
28	International Forensic Medicine and Pathology Practice; Forensic Nursing; Epidemics and Laboratory Identifications	155
29	Urban Warfare and Nationalistic Weaponry	159
30	Bombs, Explosives, and Improvised Explosive Devices (IEDs)	161
31	Mental Disease, Paranoia, Aggression, and the Central Nervous System	163
32	The New Electronic Media, Forensic Informatics, Forensic Pathology on the Web, and Digital Forensics	167
33	The Asylum and the 60s: The Reform of Mental Disease Asylums and the Consequences from the 70s to Today	171
34	Epidemics and Public Health; Molecular Pathology	175

viii		Contents
35	Why Did the Forensic Sciences Become Popular? The Story and Heritage of Ronald Kornblum, MD, Pathologist	179
36	Organizational Complexity in the Forensic Sciences	183
37	Forensic Sciences and the Military	187
38	Digital Forensics and Forensic Informatics; The New Web and Internet	189
39	Advanced Microscopic Techniques	193
40	Forensic Entomology in Forensic Pathology	197
41	Clinical Forensic Pathology	199
42	Practical Advice for Forensic Pathologists	203
	Section IV DEDICATION	

221

Dedication to Russell S. Fisher, MD