Contents hydrew J. Robinson Foreword ix Preface xi Contributors CHAPTER I Basic Concepts in Electricity and Contemporary Terminology in Electrotherapy 1 Andrew J. Robinson CHAPTER 2 27 Instrumentation for Electrotherapy Andrew J. Robinson CHAPTER 3 ruart A. Binder-Macleod and Jennifer A. Bushey Physiology of Muscle and Nerve

CHAPTER 4

Andrew J. Robinson

The Neurobiology of Pain and Foundations for Electrical Stimulation for Pain Control

Kathleen A. Sluka

Electrical Stimulation for Pain Modulation Tara Jo Manal and Lynn Snyder-Mackler	151
Newark, Delaware	
CHAPTER 6 Kellogg, PT PhD 23119311	0 2
Electrical Stimulation of Muscle: Techniques and Applications Sara J. Farquhar and Lynn Snyder-Mackler	197
CHAPTER 7	
Electrical Stimulation of Muscle for Control of Movement and Posture Scott Stackhouse	239
CHAPTER 8	Nontacophecosques
Electrical Stimulation to Augment Healing of Chronic Wounds Andrew J. Robinson	275
»i	
CHAPTER 9	and the second second
Electrical Stimulation and Biofeedback for Genitourinary Dysfunction Rebecca G. Stephenson and Elizabeth R. Shelly	301
CHAPTER 10	
Electrical Stimulation for the Delivery of Medications: Iontophoresis Charles D. Ciccone	351
mentation for Electrotherapy 27	
CHAPTER II	***************************************
Electromyographic Biofeedback for Improvement of Voluntary Motor Control	389
Stuart A. Binder-Macleod and Jennifer A. Bushey	
CHAPTER 12	MATERIAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN 1
Clinical Electrophysiologic Examination and Evaluation: Principles, Procedures, and Interpretation of Findings Andrew J. Robinson, with Case Studies Provided by Robert M. Kellogg	409

APPENDIX A	
Peripheral Neuroanatomy of the Upper and Lower Extremities Andrew J. Robinson	499
APPENDIX B Answers to Self-study Questions	511
Terminology in Electrotherapy	533
Andrew J. Robinson	
Fundamental Concepts of Electricity - Electric Charge - Electric Field - Voltage - Conductors and Insulators - Electrical Current	