

EKG for Nursing

DeMYSTiFieD[®]

Hard stuff made easy[™]

Step-by-step guidance on
PERFORMING EKGs in
everyday practice

INTERPRET common
DYSRHYTHMIAS that impact
your patient's health

Understand **HYPERTROPHY**,
ENLARGEMENT, and **EKG** changes
seen with **MYOCARDIAL INFARCTION**



10045605

ห้องสมุด วพบ. สุรินทร์

FINAL EXAM help
your knowledge

Patricia Clutter





Contents

<i>Preface</i>	<i>xi</i>
<i>Acknowledgments</i>	<i>xiii</i>

CHAPTER 1	Introduction	1
	Overview	2
	History of EKG	3
	Clinical Uses of EKG	4
	Who Can Perform an EKG?	6
	Conclusion	7
	Practice Questions	7
	Answer Key	8

CHAPTER 2	Heart Anatomy and Physiology	9
	Overview	10
	Heart Layers	12
	Pericardial Space	15
	Heart Chambers	16
	Heart Valves	18
	Heart Sounds	20
	Heart Nerves	23
	Blood Flow Through the Heart	24
	Coronary Circulation	26
	Cardiac Cycle	27
	Cardiac Output	30
	Blood Pressure	32
	Conclusion	33

	Practice Questions	34
	Answer Key	36
<hr/>		
CHAPTER 3	Cardiac Electrical Conduction System	37
	Overview	38
	Cardiac Conduction	38
	Cardiac Conduction System	46
	Abnormal Heart Impulses	52
	Conclusion	57
	Practice Questions	58
	Answer Key	61
<hr/>		
CHAPTER 4	Cardiac Monitoring and 12-Lead EKG Basics	63
	Overview	64
	Types of Electrocardiograms	64
	Monitoring Systems	65
	The Process	66
	Leads	79
	Conclusion	88
	Practice Questions	90
	Answer Key	92
<hr/>		
CHAPTER 5	Waves, Complexes, Straight Lines, and Intervals/ Labeling and Interpreting	95
	Overview	96
	Waves and Complexes	97
	Segments	107
	Intervals	109
	The Whole Picture	112
	Systematic Interpretation	112
	Normal Sinus Rhythm	117
	Conclusion	118
	Practice Questions	121
	Answer Key	123
<hr/>		
CHAPTER 6	Axis, Hypertrophy, and Bundle Branch Blocks	127
	Overview	128
	Hypertrophy and Enlargement	132
	Bundle Branch Blocks	141
	Conclusion	148
	Practice Questions	151
	Answer Key	154

CHAPTER 7	Sinus Node Related Dysrhythmias	157
	Overview	158
	Sinus Rhythms	160
	Conclusion	173
	Practice Questions	176
	Answer Key	179
<hr/>		
CHAPTER 8	Atrial/AV Nodal and Junctional Dysrhythmias	181
	Overview	182
	Atrial/AV Nodal Dysrhythmias	183
	Junctional Dysrhythmias	208
	Conclusion	213
	Practice Questions	217
	Answer Key	221
<hr/>		
CHAPTER 9	Ventricular Dysrhythmias and AV Nodal Blocks	223
	Overview	224
	Ventricular Dysrhythmias	225
	AV Nodal Blocks	241
	Conclusion	248
	Practice Questions	250
	Answer Key	255
<hr/>		
CHAPTER 10	Acute Myocardial Infarction Patterns	257
	Overview	258
	Acute Coronary Syndrome	260
	EKG Changes	262
	Areas of Infarction	266
	Biomarkers	274
	Symptoms	275
	Treatment	275
	Conclusion	276
	Practice Questions	278
	Answer Key	281
<hr/>		
CHAPTER 11	EKG Changes Other Than Myocardial Infarction	283
	Overview	284
	Electrolyte Imbalances	286
	Environmental	288
	Central Nervous System	289
	Pulmonary System	289
	Cardiac System	292
	Medications	298

	Conclusion	299
	Practice Questions	301
	Answer Key	304
<hr/>		
CHAPTER 12	Final Exam	307
	Final Exam Answers and Rationales	326
	Index	335