

THIRD EDITION

DREEBEN-IRIMIA'S
INTRODUCTION TO
**Physical
Therapist
Practice**
for Physical Therapist
Assistants

Christina M. Barrett, PT, MEd

Program Director

Physical Therapist Assistant Program

Lake Area Technical Institute

Watertown, South Dakota



JONES & BARTLETT
LEARNING

World Headquarters
Jones & Bartlett Learning
5 Wall Street
Burlington, MA 01803
978-443-5000
info@jblearning.com
www.jblearning.com

Jones & Bartlett Learning books and products are available through most bookstores and online booksellers. To contact Jones & Bartlett Learning directly, call 800-832-0034, fax 978-443-8000, or visit our website, www.jblearning.com.

Substantial discounts on bulk quantities of Jones & Bartlett Learning publications are available to corporations, professional associations, and other qualified organizations. For details and specific discount information, contact the special sales department at Jones & Bartlett Learning via the above contact information or send an email to specialsales@jblearning.com.

Copyright © 2017 by Jones & Bartlett Learning, LLC, an Ascend Learning Company

All rights reserved. No part of the material protected by this copyright may be reproduced or utilized in any form, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without written permission from the copyright owner.

The content, statements, views, and opinions herein are the sole expression of the respective authors and not that of Jones & Bartlett Learning, LLC. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not constitute or imply its endorsement or recommendation by Jones & Bartlett Learning, LLC and such reference shall not be used for advertising or product endorsement purposes. All trademarks displayed are the trademarks of the parties noted herein. *Dreeben-Irimia's Introduction to Physical Therapist Practice for Physical Therapist Assistants, Third Edition* is an independent publication and has not been authorized, sponsored, or otherwise approved by the owners of the trademarks or service marks referenced in this product.

There may be images in this book that feature models; these models do not necessarily endorse, represent, or participate in the activities represented in the images. Any screenshots in this product are for educational and instructive purposes only. Any individuals and scenarios featured in the case studies throughout this product may be real or fictitious, but are used for instructional purposes only.

The authors, editor, and publisher have made every effort to provide accurate information. However, they are not responsible for errors, omissions, or for any outcomes related to the use of the contents of this book and take no responsibility for the use of the products and procedures described. Treatments and side effects described in this book may not be applicable to all people; likewise, some people may require a dose or experience a side effect that is not described herein. Drugs and medical devices are discussed that may have limited availability controlled by the Food and Drug Administration (FDA) for use only in a research study or clinical trial. Research, clinical practice, and government regulations often change the accepted standard in this field. When consideration is being given to use of any drug in the clinical setting, the healthcare provider or reader is responsible for determining FDA status of the drug, reading the package insert, and reviewing prescribing information for the most up-to-date recommendations on dose, precautions, and contraindications, and determining the appropriate usage for the product. This is especially important in the case of drugs that are new or seldom used.

Production Credits

VP, Executive Publisher: David D. Cella
Publisher: Cathy L. Esperti
Associate Acquisitions Editor: Kayla Dos Santos
Associate Director of Production: Julie C. Bolduc
Marketing Manager: Grace Richards
VP, Manufacturing and Inventory Control: Therese Connell

Composition: Cenveo Publisher Services
Cover Design: Scott Moden
Rights & Media Specialist: Jamey O'Quinn
Cover Image: © Knikola/Shutterstock
Printing and Binding: RR Donnelley
Cover Printing: RR Donnelley

Library of Congress Cataloging-in-Publication Data

Names: Barrett, Christina M., 1967- , author. | Dreeben-Irimia, Olga.
Introduction to physical therapy for physical therapist assistants.
Preceded by (work):

Title: Dreeben-Irimia's introduction to physical therapist practice for physical therapist assistants / Christina Barrett.

Other Titles: Introduction to physical therapist practice for physical therapist assistants

Description: Third edition. | Burlington, MA : Jones & Bartlett Learning, 2016. | Preceded by Introduction to physical therapy for physical therapist assistants / Olga Dreeben-Irimia. 2nd ed. 2011. | Includes bibliographical references and index.

Identifiers: LCCN 2015041962 | ISBN 9781449681852 (pbk.)

Subjects: | MESH: Physical Therapy Specialty--methods. | Physical Therapist Assistants. | Physical Therapy Modalities.

Classification: LCC RM705 | NLM WB 460 | DDC 615.8/2--dc23

LC record available at <http://lccn.loc.gov/2015041962>

6048

Printed in the United States of America

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

*To all my past, present, and future students for
understanding my crazy awesome love of physical
therapy.*



Brief Contents

Preface	xv
Note from Olga Dreeben-Irimia	xix
About the Author	xxi
Reviewers.	xxiii

PART I The Profession of Physical Therapy 1

CHAPTER 1	The Physical Therapist Profession.	3
CHAPTER 2	The Physical Therapist Assistant as a Member of the Health Care Team	25
CHAPTER 3	Physical Therapist Clinical Practice	51

PART II Physical Therapist Practice 71

CHAPTER 4	Examination, Evaluation, and Plan of Care	73
CHAPTER 5	Physical Therapy Practice Areas	85

PART III Ethical and Legal Issues 97

CHAPTER 6	Ethics and Professionalism	99
CHAPTER 7	Laws and Regulations	121

PART IV Communication 139

CHAPTER 8	Communication Basics.	141
CHAPTER 9	Introduction to Documentation and the Medical Record. . .	155

CHAPTER 10	Teaching and Learning	171
CHAPTER 11	Reimbursement and Research.	177
PART V	Planning for Success	191
CHAPTER 12	Student Learning Success	193
CHAPTER 13	Lifelong Success	203
APPENDIX A	Hippocratic Oath	209
APPENDIX B	Patient's Bill of Rights	211
APPENDIX C	American Physical Therapy Association's Code of Ethics for Physical Therapists	213
APPENDIX D	American Physical Therapy Association's Standards of Ethical Conduct for Physical Therapist Assistants	217
APPENDIX E	Problem-Solving Algorithm Utilized by PTAs in Patient/Client Intervention	219
	Glossary	221
	Index.	225

Contents

Preface	xv
Note from Olga Dreeben-Irimia	xix
About the Author	xxi
Reviewers.	xxiii

PART I The Profession of Physical Therapy 1

CHAPTER 1 The Physical Therapist Profession. 3

History of Rehabilitation Treatments Including Therapeutic Exercises	3
Ancient China, India, and Greece	4
Europe and America from the 1500s to the 1900s.	5
History of the Physical Therapy Profession	7
Formative Years: 1914 to 1920.	8
Development Years: 1920 to 1940	10
Fundamental Accomplishment Years: 1940 to 1970	13
Mastery Years: 1970 to 1996	14
Adaptation Years: 1996 to 2005	16
Vision and Application of Scientific Pursuit Years: 2006 to Today	17
Beyond Vision 2020	18
Membership in the American Physical Therapy Association	19
The APTA's Mission	20
APTA Components.	21
The House of Delegates and the Board of Directors	21
APTA's Headquarters	22
Other Organizations Involved with Physical Therapy	22
Commission on Accreditation in Physical Therapy Education	22
American Board of Physical Therapy Specialties.	22
Federation of State Boards of Physical Therapy	23
APTA's Position in Regard to Licensure	23
Political Action Committee	23
Physical Therapy Education	24

	Discussion Questions	24
	Learning Opportunities	24
CHAPTER 2	The Physical Therapist Assistant as a Member of the Health Care Team	25
	Direction and Supervision of the Physical Therapist Assistant	25
	Levels of Supervision.	25
	The Role of the PTA in a Clinical Setting.	26
	The Physical Therapist's Responsibilities in the Clinical Setting	34
	The Collaboration Path Between the Physical Therapist and the Physical Therapist Assistant	35
	Differences in Supervision Requirements for Physical Therapist Assistants	36
	The Health Care Team and the Rehabilitation Team	37
	Health Care Team	37
	Rehabilitation Team	37
	Discussion Questions	49
	Learning Opportunities	49
CHAPTER 3	Physical Therapist Clinical Practice	51
	Patient and Client Management in Clinical Practice	51
	Guide to Physical Therapist Practice	52
	The Purposes of the Guide	52
	The Significance of the Guide.	52
	Elements of Patient and Client Management Included in the Guide	53
	Description of the Principles of Patient and Client Management of the Guide to Physical Therapist Practice	53
	Preferred Practice Patterns.	57
	Physical Therapy Clinical Settings	58
	Acute Care Facilities	58
	Primary Care Facilities.	58
	Subacute Care Facilities	58
	Outpatient Care Facilities	59
	Rehabilitation Hospitals	59
	Chronic Care Facilities	59
	Hospice Care Facilities	59
	Home Health Care	59
	School System	60
	Private Practice Facilities.	60
	Physical Therapy Employment	60
	Networking	60
	Cover Letter	60
	Resume.	60
	References	61
	Interview.	61
	Policy and Procedure Manual	63
	Departmental Meetings	64

Fiscal Management of a Physical Therapy Service	65
Budgets	65
Costs	65
Quality Assurance	66
Utilization Review	66
Peer Review	66
Risk Management	67
Clinical Trends	67
Wellness and Health Promotion	67
Disease Prevention	68
Discussion Questions	68
Learning Opportunities	68
Summary of Part I	69

PART II **Physical Therapist Practice** **71**

CHAPTER 4 **Examination, Evaluation, and Plan of Care 73**

Examination and Evaluation	74
Examination	74
Pain Description	74
Data Collection	75
Specialized Examinations	77
Orthopedic Examination	77
Neurologic Examination	78
Cardiopulmonary Examination	78
Pediatric Examination	79
Geriatric Examination	80
Environmental Examination	82
Integumentary Examination	82
Plan of Care	83
Discussion Questions	84
Learning Opportunities	84

CHAPTER 5 **Physical Therapy Practice Areas 85**

Practice Areas	86
Orthopedic Physical Therapy	86
Neurologic Physical Therapy	86
Cardiovascular and Pulmonary Physical Therapy	86
Pediatric Physical Therapy	86
Geriatric Physical Therapy	86
Integumentary Physical Therapy	87
Interventions	87
Therapeutic Exercises	87
Range of Motion Exercises	88
Strengthening Exercises	89

Flexibility Exercises	90
Patient Education	90
Physical Agents and Modalities	90
Manual Therapy	91
Gait Training	91
Orthotics and Prosthetics	91
Motor Control and Motor Learning	91
Cardiovascular and Pulmonary Interventions	92
Pediatric Interventions	93
Geriatric Interventions	94
Integumentary Interventions	94
Discussion Questions	95
Learning Opportunities	95
Summary of Part II	96

PART III Ethical and Legal Issues 97

CHAPTER 6 Ethics and Professionalism 99

Medical Ethics Versus Medical Law	99
Medical Ethics	100
Medical Law	100
Biomedical Ethical Principles	100
Beneficence	100
Non-Maleficence	100
Justice and Veracity	101
Confidentiality	101
Autonomy and Patients' Rights	107
Understanding Cultural Competence	108
Ethical and Legal Perspectives of Cultural Competence	109
Developing Cultural Competence in Health Care	110
Developing Cultural Competence in Physical Therapy	112
Informed Consent	114
Ethics Documents for Physical Therapists	114
Ethics Documents for Physical Therapist Assistants	115
Confronting Ethical Dilemmas	116
Professionalism	116
Core Values	117
Integrity in Practice	119
Discussion Questions	119
Learning Opportunities	119

CHAPTER 7 Laws and Regulations 121

Sources of Laws and Examples	122
Laws Affecting Physical Therapy Practice	122
The Americans with Disabilities Act	122
Individuals with Disabilities Education Act (IDEA) of 1997	124

Licensure Laws	125
<i>Licensure for PTs and PTAs</i>	125
Occupational Safety and Health Administration's Federal Standards	126
<i>The Bloodborne Pathogens Standard</i>	126
Domestic Violence and Legal Issues	128
<i>Recognizing Domestic Violence Patterns</i>	128
<i>Domestic Violence and Health Care</i>	129
<i>Domestic Violence and Physical Therapy</i>	129
<i>Domestic Violence and Legal Issues</i>	131
<i>Elder Abuse</i>	133
Harassment	133
Malpractice Laws	133
Negligence	134
<i>Malpractice Acts in Physical Therapy</i>	135
Discussion Questions	135
Learning Opportunities	135
Summary of Part III	136

PART IV **Communication** **139**

CHAPTER 8 **Communication Basics. 141**

Verbal and Nonverbal Communication.	141
Therapeutic Communication: Empathy Versus Sympathy.	142
<i>Empathy</i>	142
<i>Empathy Versus Sympathy</i>	143
The Therapeutic Relationship.	144
The Physical Therapist and Physical Therapist Assistant Relationship.	145
Types of Communication Forms	146
<i>Defining Verbal Communication</i>	146
<i>Effective and Ineffective Listening and Questioning</i>	149
<i>Defining Nonverbal Communication</i>	151
<i>Defining Written Communication</i>	152
Discussion Questions	154
Learning Opportunities	154

CHAPTER 9 **Introduction to Documentation and the Medical Record. . . 155**

Medical Records	155
<i>Documentation for Reimbursement</i>	156
<i>Documentation for Assurance of Quality Care</i>	156
<i>Documentation for Continuity of Care</i>	156
<i>Documentation for Legal Reasons and Research/Education</i>	156
<i>Documentation for Marketing</i>	156
The American Physical Therapy Association's Documentation Guidelines	156

Types of Medical Records	157
<i>Problem-Oriented Medical Records</i>	157
<i>Source-Oriented Medical Records</i>	157
<i>SOAP Records</i>	157
Types of Physical Therapy Documentation Reports	158
<i>Initial Examination/Evaluation Report</i>	158
<i>Treatment Notes</i>	159
<i>Progress Reports</i>	159
<i>Discharge Reports</i>	160
SOAP Writing Format	160
<i>Visit/Encounter SOAP-Format Reports</i>	160
<i>Subjective Data in SOAP-Format Reports</i>	161
<i>Physical Therapy Diagnosis Versus Medical Diagnosis</i>	161
<i>Subjective Data in Progress SOAP-Format Notes</i>	161
<i>Objective Data in SOAP-Format Notes</i>	162
<i>Objective Data in Progress SOAP-Format Notes</i>	163
<i>Assessment Data in SOAP-Format Notes</i>	164
<i>Plan Data of SOAP-Format Notes</i>	166
Legal Issues in Documentation	166
Standardized Titles and Names Used in Physical Therapy.	167
Defensible Documentation	168
Computerized Documentation	169
Discussion Questions	169
Learning Opportunities	169
 CHAPTER 10 Teaching and Learning	 171
Communication Methods for Teaching and Learning	171
<i>Teaching</i>	171
Communication Methods for Patient Education.	174
<i>Patient Education</i>	174
Barriers to Learning	174
Discussion Questions	175
Learning Opportunities	176
 CHAPTER 11 Reimbursement and Research	 177
Reimbursement Issues in Physical Therapy	177
<i>Reimbursement Terminology</i>	177
<i>Reimbursement Organizations</i>	179
Basic Research Elements.	182
<i>The Significance of Physical Therapy Research</i>	182
<i>Types of Research</i>	183
<i>Significant Elements of Research</i>	184
<i>Evaluating a Research Article</i>	186
<i>Suggestions for Reading a Research Paper</i>	188
<i>How to Write a Research Report</i>	189

Discussion Questions	189
Learning Opportunities	189
Summary of Part IV	190

PART V **Planning for Success** **191**

CHAPTER 12 **Student Learning Success 193**

Becoming a Physical Therapist Assistant Student	193
Learning	193
<i>Learning Styles.</i>	194
Learning Resources.	197
<i>Textbooks</i>	197
<i>The Internet</i>	197
<i>The Library.</i>	197
<i>Student Services</i>	198
<i>Instructor Assistance</i>	198
<i>Schedules and Calendars.</i>	198
Strategies for Success in PTA School	198
<i>Learning Strategies.</i>	199
<i>Test-Taking Skills.</i>	199
Lifelong Learning	200
Discussion Questions	201
Learning Opportunities	201

CHAPTER 13 **Lifelong Success 203**

Attributes of Successful People	203
<i>Optimism</i>	203
<i>Commitment</i>	204
<i>Passion</i>	204
<i>Competence</i>	204
<i>Initiative</i>	204
<i>Flexibility</i>	204
<i>Generosity</i>	204
<i>Relationships</i>	205
Developing a PTA Career	205
<i>Networking</i>	205
<i>Career Development</i>	205
<i>Continuing Competence</i>	206
<i>Leadership Development</i>	207
Discussion Questions	207
Learning Opportunities	207
Summary of Part V	208

APPENDIX A	Hippocratic Oath	209
APPENDIX B	Patient's Bill of Rights	211
APPENDIX C	American Physical Therapy Association's Code of Ethics for Physical Therapists	213
APPENDIX D	American Physical Therapy Association's Standards of Ethical Conduct for Physical Therapist Assistants	217
APPENDIX E	Problem-Solving Algorithm Utilized by PTAs in Patient/Client Intervention	219
	Glossary	221
	Index.	225

Preface

I have been given a wonderful opportunity, a privilege really, to revise Olga Dreeben-Irimia's *Introduction to Physical Therapy for Physical Therapist Assistants* textbook. This textbook has been a mainstay of physical therapist assistant (PTA) education and has provided beginning physical therapist assistant students with the basic understanding of the role and profession. I hope that this *Third Edition* lives up to the expectations of the readers and helps them develop an understanding and enthusiasm for the profession.

When students choose to enter physical therapist assistant school, their decision usually revolves around the idea that they enjoy helping people. Service professions are rooted in the intrinsic feelings that helping others gives and the satisfaction of seeing progress in patients' function. The understanding of pathology, development of skills, and assimilation of behaviors are all required to enter the role of a physical therapist assistant. This textbook's goal is to present information in a way that students appreciate all that is necessary to learn to become an effective physical therapist assistant. Knowledge of the basics begins with an introduction to the profession and health care. An overall grasp of what will be learned helps students realize how the components of a physical therapist assistant curriculum connect to prepare them for this role. This will help the students map out a plan for success in both their education and career.

STRUCTURE OF THE TEXT

The textbook is broken into five parts:

- *Part I: The Profession of Physical Therapy* introduces the reader to the profession of physical therapy.
 - *Chapter 1: The Physical Therapist Profession*, a historical overview, describes the progression of the profession in both skills and creation of
- *Chapter 2: The Physical Therapist Assistant as a Member of the Health Care Team* introduces the reader to each of the members of the health care team and describes what role the physical therapist assistant has in the team. A detailed discussion of the relationship between the physical therapist and physical therapist assistant describes the supervisory and collaborative role the two have in patient care.
- *Chapter 3: Physical Therapist Clinical Practice* completes the introduction by explaining practice issues to assist the learner in appreciating patient-related components of physical therapist practice and management issues. An understanding of the *Guide to Physical Therapist Practice* helps the student see the broad picture of physical therapy. Practice settings are explained including: acute care, primary care centers, sub acute facilities, outpatient care, rehabilitation hospitals, chronic care facilities, hospice, home health services, school systems, and private practice facilities. An understanding of job applications, resumes, and interviews will allow the PTA student to learn skills and effective behaviors that will be nurtured and developed throughout the professional program coursework.
- *Part II: Physical Therapist Practice* covers physical therapy evaluation and the major physical therapist practice specialties.
 - *Chapter 4: Examination, Evaluation, and Plan of Care* explains the components of the initial

visit with the patient. An understanding of the process and terminology of physical therapy will assist the student in being more effective in treating the patient.

- *Chapter 5: Physical Therapy Practice Areas* explains the specific areas of practice: orthopedic, neurologic, pediatric, geriatric, cardiopulmonary, and integumentary.
- *Part III: Ethical and Legal Issues* includes *Chapter 6: Ethics and Professionalism* and *Chapter 7: Laws and Regulations*. This part explains the ethical, legal, and professional components of providing health care services. An understanding of confidentiality, cultural competence, and laws along with the expectations of conduct for a PTA provides the basis for PTA interaction with the patients.
- *Part IV: Communication* comprises Chapters 8–11 and describes aspects of communication.
 - *Chapter 8: Communication Basics* lays the groundwork for learning the skills for successful verbal and nonverbal communication with patients and with colleagues.
 - *Chapter 9: Introduction to Documentation and the Medical Record* introduces the basics to writing effective documentation and appropriate written communication with a variety of audiences.
 - *Chapter 10: Teaching and Learning* discusses teaching techniques for patient instruction that will help students develop skills that will work in a variety of settings and with a variety of patients.
 - *Chapter 11: Reimbursement and Research* helps students understand reimbursement by a variety of payer sources and allows an understanding of restrictions that may be in place. Research techniques and an understanding of evidence-based practices complete Part IV.
- *Part V: Planning for Success* completes the textbook by describing how the student can be most successful during PTA school (*Chapter 12: Student Learning Success*) and how to develop career success (*Chapter 13: Lifelong Success*).

NEW TO THE THIRD EDITION

- The addition *Chapter 6: Ethics and Professionalism* will allow the student to understand the process of dealing with ethical issues and work through the process to make a decision.
- *Part V: Planning for Success* is entirely new, including two chapters to assist students in educational success and career development. The focus is on developing career-ready skills and behaviors and understanding how to develop a plan for lifelong learning and career success.
- Important data updates have been made throughout the text. As the student will learn, health care and physical therapy are constantly being updated with research on effective techniques, changes in health care policy, and new technology advances. These updates bring the book up to speed with the latest *APTA Guide 3.0*.
- APTA documents have been added, including the Vision Statement, Strategic Plan, Minimum Skills of the PTA Graduate at Entry-Level, the Decision-Making Guide, and the Value-Based Behaviors for the PTA.
- Practice issues such as elder abuse, harassment, the development of professional attributes, and good teaching practices are introduced.

KEY FEATURES

Students will find learning tools developed specifically for the development of understanding the concepts presented in the textbook. Each chapter includes the following:

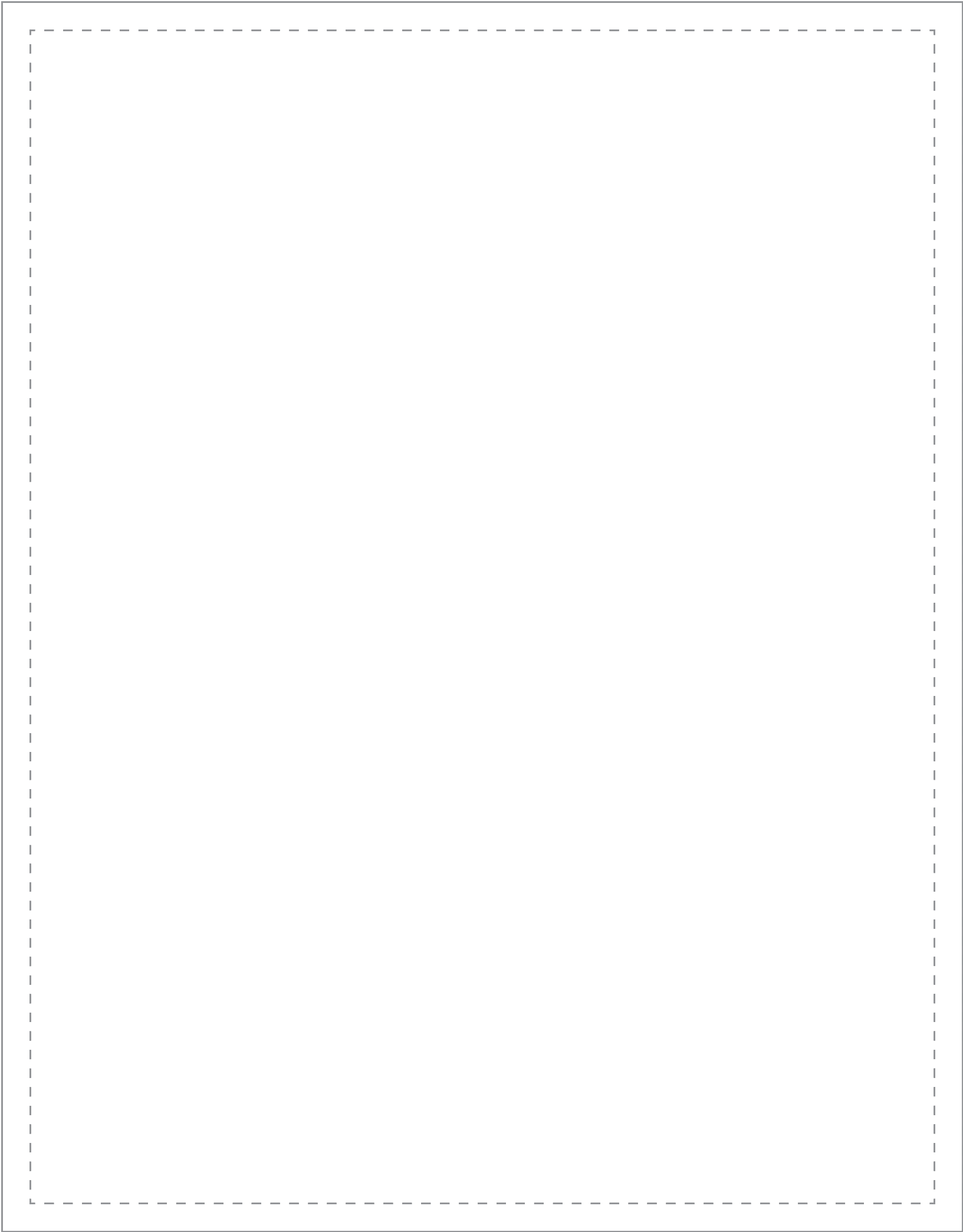
- **Learning Objectives** are new to this edition and have been included to focus the reader's learning on the core concepts.
- **Discussion Questions** push the reader's learning further with questions that assess and stretch the knowledge gained throughout the chapter.
- **Learning Opportunities** replace lab activities from the previous edition and present additional activities for readers to deepen their understanding.

- **Key Terms** are listed at the start of each chapter and defined in the new **end-of-book glossary** to provide readers with a quick guide to important terminology.

INSTRUCTOR RESOURCES

Instructors also have access to numerous resources including the following:

- **Clinical Scenarios** present real-world examples of the concepts introduced in the text and include questions that instructors can utilize to assess students' application of those concepts.
- **Slides with Lecture Outlines** for each chapter include slide decks that instructors can use as a starting point for teaching the content in their course. These slides now include additional notes for the instructor and additional images.
- **Test Banks** have been extensively revised from the previous edition and new questions added.
- **Practice Activities** have been supplied as suggested questions for students to use to study the material.



Note from Olga Dreeben-Irimia

My wonderful journey writing and publishing a new edition of *Introduction to Physical Therapy for Physical Therapist Assistants* is coming to an end. Although I feel a little sad for not being able to continue this trip of enhancing information and knowledge in the profession, I am happy to pass the torch to a new author, Professor Barrett.

Good luck to all of you in your new and exciting quest to become a physical therapist assistant!

Olga Dreeben-Irimia, PhD, (R)PT



About the Author



Christina M. Barrett is the Physical Therapist Assistant Program Director at Lake Area Technical Institute in Watertown, South Dakota. She received her Bachelor's degree in Physical Therapy from the University of North Dakota and a Masters of Education degree from the University of Phoenix. In her 20 years in academia, she has taught the fundamental theories and skills of physical therapy in all areas of practice to hundreds of students. She continues to work in clinical practice spending time in a variety of practice settings for Big Stone Therapies, Inc. She has been a proud member of the American Physical Therapy Association since 1989. She has had opportunities to work in leadership as both Delegate and President of the South Dakota chapter, and currently serves as membership chair. This membership has allowed her to work closely with her peers in promoting the continued development of the physical therapy profession.

Image courtesy of Christina Barrett

xxi



Reviewers

Frank J. Bates, PT, DPT, MBA

Director and Assistant Professor
Physical Therapist Assistant Program
University of Indianapolis
Indianapolis, Indiana

Paula W. Duffy, PT

Instructor
Physical Therapist Assistant Program
Bishop State Community College
Mobile, Alabama

Julie Feeny, PTMS

Program Director
Physical Therapist Assistant Program
Illinois Central College
East Peoria, Illinois

Renae H. Gorman, PT, DPT, MTC, OCS, ACCE

Assistant Professor
Springfield Technical Community College
Springfield, Massachusetts

Charlene S. Jensen, PT, DPT

Program Director
Physical Therapist Assistant Program
Riverside College of Health Careers
Newport News, Virginia

Kelly McGovern, PT, DPT

Academic Coordinator of Clinical Education,
Instructor
Physical Therapist Assistant Program
Lackawanna College
Hawley, Pennsylvania

Kimberly Salyers, PTA, MA Ed

Physical Therapist Assistant Program
Coordinator
Physical Therapist Assistant Program
Florida Gateway College
Lake City, Florida

Debbie Van Dover, PT, MEd

Program Director
Physical Therapist Assistant Program
Mt. Hood Community College
Gresham, Oregon

Bruce Wassung, PTA, MSPH, PhD (cand)

Chair
Physical Therapist Assistant Program
Terra State Community College
Fremont, Ohio

