

Contents

PART I

Promoting Function

CHAPTER 1

Framework for Clinical Decision-Making and Patient Management

Susan B. O'Sullivan, PT, EdD

Kristen M. Johnson, PT, EdD, MS, NCS

CHAPTER 2

Interventions to Improve Motor Function

Susan B. O'Sullivan, PT, EdD

Heather M. David, PT, MPT, EdD

CHAPTER 3

Proprioceptive Neuromuscular Facilitation

Susan B. O'Sullivan, PT, EdD

Heather M. David, PT, MPT, EdD

CHAPTER 4

Interventions to Improve Bed Mobility and Early Trunk Control

Cristiana K. Collins, PT, PhD, CFMT, NCS

Vicky Saliba Johnson, PT, FFFMT, FAAOMPT

Thomas J. Schmitz, PT, PhD

CHAPTER 5

Interventions to Improve Prone on Elbows and Quadruped Skills

Cristiana K. Collins, PT, PhD, CFMT, NCS

Vicky Saliba Johnson, PT, FFFMT, FAAOMPT

Thomas J. Schmitz, PT, PhD

CHAPTER 6

Interventions to Improve Sitting and Sitting Balance Skills

Edward W. Bezkor, PT, DPT, OCS, MTC, CAFS

Susan B. O'Sullivan, PT, EdD

CHAPTER 7

Interventions to Improve Intermediate Trunk and Hip Control: Kneeling and Half-Kneeling Skills

Faris S. Alshammari, PT, MPT, PhD

Thomas J. Schmitz, PT, PhD

CHAPTER 8

Interventions to Improve Transfers

Amy DeBlois, PT, DPT, NCS

Coby D. Nirider, PT, DPT, CBIS

George D. Fulk, PT, PhD, FAPTA

CHAPTER 9

Interventions to Improve Manual Wheelchair Skills

George D. Fulk, PT, PhD, FAPTA

Jennifer Hastings, PT, PhD

Maureen Johnson, PhD, MS, OT/L, BCPR, C/NDT

CHAPTER 10

Interventions to Improve Standing and Standing Balance Skills

JoAnn Moriarty-Baron, PT, DPT

Susan B. O'Sullivan, PT, EdD

CHAPTER 11

Interventions to Improve Locomotor Skills

Cristiana K. Collins, PT, PhD, CFMT, NCS

Thomas J. Schmitz, PT, PhD

CHAPTER 12

Interventions to Improve Upper Extremity Skills

Marianne H. Mortera, PhD, OTR /L

Sharon A. Gutman, PhD, OTR, FAOTA

CHAPTER 13

Constraint-Induced Movement Therapy

David M. Morris, PT, PhD, FAPTA

Edward Taub, PhD

CHAPTER 14

Interventions for Vestibular Rehabilitation

JoAnn Moriarty-Baron, PT, DPT

PART II

Case Studies

Erin Menefee, PT, DPT, OCS, Case Studies and Multimedia Editor

CASE STUDY 1

Patient With Traumatic Brain Injury

Temple T. Cowden, PT, MPT

CASE STUDY 2

Patient With Traumatic Brain Injury: Balance and Locomotor Training

Heidi Roth, PT, MSPT, NCS

Jason Barbas, PT, MPT, NCS

CASE STUDY 3

Patient With Incomplete Spinal Cord Injury, T4: Locomotor Training

Elizabeth Ardolino, PT, MS

Elizabeth Watson, PT, DPT, NCS

Andrea L. Behrman, PT, PhD

Susan Harkema, PhD

Mary Schmidt-Read, PT, DPT, MS

CASE STUDY 4

Patient With Stroke: Home Care Rehabilitation

Lynn Wong, PT, DPT, MS, GCS

CASE STUDY 5

Patient With Stroke: Constraint-Induced Movement Therapy

David M. Morris, PT, PhD, FAPTA

Sonya L. Pearson, PT, DPT

Edward Taub, PhD

CASE STUDY 6

Patient With Parkinson's Disease

Edward W. Bezkor, PT, DPT, OCS, MTC, CAFS

CASE STUDY 7

Patient With Complete Spinal Cord Injury, T9

Paula Ackerman, MS, OTR/L

Myrtice Atrice, PT, BS

Teresa Foy, BS, OTR/L

Sarah Morrison, PT, BS

Polly Hopkins, MOTR/L

Shari McDowell, PT, BS

CASE STUDY 8

Patient With Incomplete Spinal Cord Injury, C7

Maria Stelmach, PT, DPT, NCS

Sophie Benoist, PT, DPT

CASE STUDY 9

Patient With Peripheral Vestibular Dysfunction

JoAnn Moriarty-Baron, PT, DPT

CASE STUDY 10

Patient With Complete Spinal Cord Injury, T10

Darrell Musick, PT

Laura S. Wehrli, PT, DPT, ATP

CASE STUDY 11

Patient With Cerebellar Glioblastoma

Catherine Printz, PT, DPT, NCS

Melissa S. Doyle, PT, DPT, NCS

Carter McElroy, PT, MPT

CASE STUDY 12

Patient With Guillain-Barré Syndrome and Tetraplegia

Kate Rough, PT, DPT, NCS

Victoria Stevens, PT, NCS

Stacia Lee, PT, NCS

Katie R. Sweet, PT, DPT

CASE STUDY 13

Patient With Stroke

Lauren Snowdon, PT, DPT, ATP

CASE STUDY 14

Patient With Motor Incomplete Spinal Cord Injury, C4

Sally M. Taylor, PT, DPT, NCS

CASE STUDY 15

Patient With Transfemoral Amputation

Kyla L. Dunlavey, PT, MPT, OCS

Barri L. Schnall, PT, MPT

CASE STUDY 16

Patient With Multiple Sclerosis

Maria Rundell, PT, DPT, NCS, MSCS

CASE STUDY 17

Patient Status Post-Orthotopic Heart Transplant Followed Through the Continuum of Care

Wendy Chan, PT, DPT, LAc, Dipl. OM

Kristine L. Josef, PT, DPT, NCS, CSRS, CCRP

Patricia Laverty, PT, DPT, NCS