CURRICULUM VITAE

NAME Douglas Haladay, PT, DPT, PhD, OCS, CSCS

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EDUCATION

DATE	DISCIPLINE	DEGREE	INSTITUTION
2011	Kinesiology	Doctorate of Philosophy	The Pennsylvania State University
2003	Physical Therapy	Doctorate of Physical Therapy	Temple University
2000	Physical Therapy	Master of Health Science	University of Indianapolis
1994	Physical Therapy	Bachelor of Science	The University of Scranton

LICENSURE & CERTIFICATION

Massachusetts, 19250

Pennsylvania, PT-008437-L (inactive)

Direct Access Authorization, DAPT001230 (inactive)

Board Certified Orthopedic Clinical Specialist, ABPTS, 2002 - Present Certified Strength and Conditioning Specialist, NCSA, 2004 - Present

ACADEMIC APPOINTMENTS

DATE TITLE DEPARTMENT INSTITUTION

Fall 2013- Asst. Professor Physical Therapy University of South Florida
Present Responsibilities: Course preparation, instruction, and assessment within Movement

Sciences, Scientific and Professional Foundations, and Principles of Patient/Client

Management.

Pursue research agenda: measurement and role of abdominal motor control, specifically

in the evaluation and management of persons with low back pain.

Fall 2010- Asst. Professor Physical Therapy MGH Institute of Health Professions

Summer 2013 Responsibilities: Course preparation, instruction, and assessment in both the entry level

and post-professional programs. Entry Level Courses include: Gross Anatomy,

Fundamentals of PT Practice, and Health Promotion Project Advisor. Post-Professional Level Courses include: Concepts of Motor Control, Examination and Treatment of Upper/Lower Extremity Dysfunction, and Master's Thesis/Directed Research Advisor. Pursue research agenda: measurement and role of core stability, specifically in the

evaluation and management of persons with low back pain.

Fall 2008- Instructor Physical Therapy The University of Scranton

Spring 2010 Responsibilities: Course development, preparation, instruction, and assessment for

Pharmacology, Scientific Inquiry I-III, Neurologic PT I/II, Motor Control and Motor Learning, and Kinesiology for Occupational Therapy Program. Assist with laboratory experiences for Ortho I/II. Pursue research agenda: validity of assessment of abdominal

musculature and role of core stability in back pain.

Fall 2007- Visiting Lecturer Exercise Science The University of Scranton

Spring 2008 Responsibilities: Course development, preparation, instruction, and assessment for

Applied Anatomy and Kinesiology and Biomechanics in Sport and Exercise. Also advise students and pursue research agenda: validity of assessment of abdominal musculature

and role of core stability in back pain.

Fall 2002Spring 2007 Physical Therapist Assistant Penn State Hazleton
Responsibilities: Course development, preparation, instruction, and assessment for
Muscular Anatomy (PT205), Kinesiology (PT384), Therapeutic exercise I & II (PT160 &
260), and Rehabilitation (PT 280W). Also advised students and served on the Physical
Therapist Assistant Advisory Board, the Instruction and Advising Committee, and served
as chair of one of its subcommittees.

Fall 2000- Adjunct Faculty Physical Therapist Assistant Keystone College
Fall 2002 Responsibilities: Traumatic Brain Injury Module course instruction and Therapeutic

Exercise course preparation, instruction, and assessment.

Fall 2001 Adjunct Faculty Physical Therapist Assistant Penn State Hazelton

Responsibilities: Rehabilitation course preparation, instruction, and assessment.

Fall 1997- Adjunct Faculty Physical Therapy The University of Scranton Responsibilities: Course development, preparation, instruction, and assessment for

Research Design and Implementation, Fall 2007. Course participant lecturer for Motor Control/Motor Learning and Treatment Approaches for the Neurological Population courses, Fall 1997, Spring/Fall 1998, Spring/Fall 1999, Spring 2000, Spring 2001, Spring 2002, Spring 2005. Course development, preparation, instruction, and assessment for

Medical Screening Module, Fall 2001.

EXPERIENCE

MGH Outpatient Physical Therapy Department

Per-Diem Clinical Associate, Boston, MA; March 2012-September 2013.

Pinnacle Physical Therapy

Co-Owner and Physical Therapist, Pinnacle Physical Therapy, P.C., Bartonsville, PA; March 2006-October 2010.

Genesis Rehabilitation

Per Diem Physical Therapist, The Jewish Home of Northeastern Pennsylvania, Scranton, PA; January 2010-June 2010.

Taylor Nursing and Rehabilitation Center

Per Diem Physical Therapist, Taylor Nursing and Rehabilitation Center, Taylor, PA; June 2007-May 2008.

Viewmont Medical Services

Part-time Orthopedic Physical Therapist, Viewmont Medical Services, Scranton, PA; March 2004 to August 2005.

All Care Home Care

Contract Home Health Therapist, All Care Home Care, Hazleton, PA; December 2003 to March 2004.

Allied Services Rehabilitation Hospital

Physical Therapist, Allied Services Rehabilitation Hospital, Scotrun Clinic, Scotrun, PA; October 2002 to October 2003.

Clinic Director, Allied Services Rehabilitation Hospital, Scotrun Clinic, Scotrun, PA; November 1997 to October 2002.

2

Back and Neck Program Manager, Allied Services Rehabilitation Hospital, Scranton, PA; April 2000 to October 2002.

Staff Physical Therapist, Allied Services Rehabilitation Hospital, Scotrun Clinic, Scotrun, PA; July 1997 to November 1997.

Contract Home Health, Allied Services Rehabilitation Hospital, Scranton, PA; January 1997 to 1998, March 1999 to 2000.

Neurological Program Manager, Allied Services Rehabilitation Hospital, Scranton, PA; November 1995 to June 1997.

Staff Physical Therapist, Outpatient, Allied Services Rehabilitation Hospital, Scranton, PA; May 31, 1994 to July 1997.

Novacare

Contract Physical Therapist, Novacare, Scranton, PA; January 1995 to 1996.

AWARDS

APTA Section on Research Traveling Fellowship Award, 2012-2013. 2012 Partners in Excellence Team Award, 2CC Construction and Operational Team. Changing Course Teaching Fellowship Award, MGH Institute of Health Professions, 2011-2012. Butler Excellence in Teaching with Technology, Penn State Hazleton, 2004.

GRANTS

"An Electromyographic and Kinematic Comparison of Abdominal Muscle Activity during Abdominal Strength Tests"

• University of Scranton, Intersession Grant, 2010, \$3000

"Comparison of Specific versus General Stabilization Exercises for Chronic Low Back Pain: A Randomized Controlled Trial"

- PPTA Research Grant, \$1000, 2008-2010
- University of Scranton Internal Research Fund, \$2000, 2008-2009

PRESENTATIONS

Platform - Peer Reviewed

Haladay DE, Plummer L. Development and Application of Virtual Interactive Patient Scenario for Clinical Decision Making, Combined Sections Meeting 2013, San Diego, CA, January 21-24, 2013.

Morgan M, **Haladay DE**. Joint Protection Techniques at the Radio-carpal Joint: A Kinetic and Kinematic Analysis, Pennsylvania Occupational Therapy Conference October 23, 2010.

Haladay DE, Yurko RA. The Power of Plyometrics. Pennsylvania State Association of Health, Physical Education, Recreation, and Dance State Conference; Lancaster, PA; December 1-3, 2000.

Haladay DE, Yurko RA. Bouncing into the Year 2000- the use of the therapeutic ball in exercise, Pennsylvania State Association of Health, Physical Education, Recreation, and Dance State Conference in Seven Springs, Champion, PA; December 2-5, 1999.

Platform - Invited

Haladay DE, Low Back Pain: Identifying Instability and Implementing an Exercise Program, Pennsylvania Athletic Trainers Society Annual Conference, June 5, 2010.

Haladay DE, Do Physical Examination Procedures Accurately Identify Patients With and Without Pathology?, Athletic Training Program at the Pennsylvania State University, October 19, 2007.

Haladay DE. Color Profile: Understanding How to Communicate and Relate in Your Preferred Style, Pennsylvania Physical Therapy Association State Conference; Harrisburg, PA; October 22, 2005.

Haladay DE, Kester JE. Utilization of Orthopedic Outcome Measures, Pennsylvania Physical Therapy Association Northeast District Orthopedic Study Group; Scranton, PA; November 8, 2004.

Haladay DE. Medical Screening for the Physical Therapist, Pennsylvania Physical Therapy Association Northeast Distric Meeting, Allied Services Rehabilitation Hospital; Scranton, PA; March 10, 2003.

Haladay DE, Krieder AL. Office Ergonomics, Allied Services Corporate Service Center, Scranton, PA; April 1998.

Poster

Haladay DE, Steiner LA, Chari A, Yu CH. Effectiveness of Select Classification Systems for Low Back Pain: A Systematic Review, APTA Combined Sections Meeting 2013, San Diego, CA, January 21-24, 2013.

Haladay DE, Denegar CR, Miller SJ, Challis J. An Electromyographic and Kinetic Comparison of Abdominal Muscle Activity during Abdominal Strength Tests, ISEK (International Society of Electromyography and Kinesiology) Conference 2012, Brisbane Australia, July 2012.

Haladay DE, Challis J, Miller SJ, Denegar CR. An Electromyographic Assessment of Abdominal Muscle Activity during Lower Abdominal Strength Tests, APTA Combined Sections Meeting 2012, Chicago, IL, February 8-12, 2012.

Hakim RM, **Haladay DE**, Beskal J, Shipe D. Use of a Computerized Dynamic Posturography (CDP) System to Improve Balance in an Adult with Multisensory Dysequilibrium and a History of Recurrent Near Falls: A Case Report, APTA Combined Sections Meeting 2011, New Orleans, LA, February 9-12, 2011.

Blorstad A, Perry K, **Haladay D**. The diagnostic accuracy of joint line tenderness for assessing meniscal tears: a systematic review with meta-analysis, APTA Combined Sections Meeting 2011, New Orleans, LA, February 9-12, 2011.

Haladay D, Miller S, Denegar C, McBrier N. Quality of Systematic Reviews on Specific Spinal Stabilization Exercise for Chronic Low Back Pain, APTA Combined Sections Meeting 2011, New Orleans, LA, February 9-12, 2011.

Musti G, Crowell R, **Haladay D**. Low Back Pain Clinical Practice Guidelines: A Systematic Review and Quality Assessment, APTA Combined Sections Meeting 2011, New Orleans, LA, February 9-12, 2011.

Rodio N, Ednie R, **Haladay D**. Endurance Training as an Intervention to Improve Balance in Healthy Older Adults: A Systematic Review, APTA Combined Sections Meeting 2011, New Orleans, LA, February 9-12, 2011.

McGovern K, Rohm AE, Sadowski K, Wagner BR, **Haladay DE**. Does Gender Matter? A Systematic Review of Gender Differences in Cancer-Related Fatigue among Individuals Following Exercise Interventions, APTA Combined Sections Meeting 2011, New Orleans, LA, February 9-12, 2011.

Ferraro K, Dickson M, Hermansader H, Rosa S, **Haladay D**. A Systematic Review of the Effectiveness of Body-Weight Supported Treadmill Training vs. Conventional Over-Ground Training for Patients with

Incomplete Spinal Cord Injury, APTA Combined Sections Meeting 2010, San Diego, February 17-20, 2010.

Reddington S, DeMark L, **Haladay D**. The Effectiveness of Spinal Manipulation on Acute Low Back Pain: A Systematic Review, PPTA State Conference, Seven Springs, PA, October 24, 2009.

Haladay DE, McBrier NM, Denegar CR, Legenerich E. Back pain among health care workers in Pennsylvania 2002-2005, PT 2009: The Annual conference and Exposition of the APTA, June 10-13, 2009.

Haladay D, Cole R. Comparison and Prediction of Outcomes in Patients with Cerebrovascular Accidents, Ninth Annual Stroke Rehabilitation Conference, Cambridge, Massachusetts; October 1997.

PUBLICATIONS

Haladay DE, Denegar CR, Miller SJ, Challis J. Responsiveness of the Double Limb Lowering Test and Lower Abdominal Muscle Progression to Core Stabilization Exercise Programs in Healthy Adults, under review.

Haladay DE, Denegar CR, Miller SJ, Challis J. An Electromyographic and Kinetic Comparison of Abdominal Muscle Activity during Abdominal Strength Tests, in preparation for submission.

Haladay DE, Miller SJ, Challis JH, Denegar CR Quality of Systematic Reviews on Specific Spinal Stabilization Exercise for Chronic Low Back Pain. *J Orthop Sports Phys Ther. Epub 14 January 2013. doi:10.2519/jospt.2013.4346.*

Haladay DE, Blorstad A, McBrier NM, Denegar CR, Legenerich E. Back pain among health care workers in Pennsylvania 2002-2006, *WORK: A Journal of Prevention, Assessment & Rehabilitation.* 2012; 41(1):93-98.

Blorstad A, Perry K, **Haladay D**. The diagnostic accuracy of joint line tenderness for assessing meniscal tears: a systematic review with meta-analysis. *Orthopaedic Physical Therapy Practice*. 2011; 23(2):76-82.

Vela LI, **Haladay DE**, Denegar C. Clinical assessment of low-back-pain treatment outcomes in athletes. *J Sport Rehabilitation*. 2011; 20, 74-88.

Haladay DE, Blorstad A, McBrier NM, Denegar CR, Legenerich E. Back pain among health care workers in Pennsylvania 2002-2005, *Physical Therapy*, PT 2009: The Annual conference and Exposition of the APTA, June 10-13, 2009. (abstract)

UNIVERSITY SERVICE

MGHIHP, Search Committee for Associate Chair, Department of Physical Therapy, 2013-Present.

MGH Institute of Health Professions, B79/96 Design Committee, 2013-Present.

MGH Institute of Health Professions, Institute Faculty Senate, 2012-Present.

MGH Institute of Health Professions. Institute Course and Curriculum Review Committee. 2012-Present.

MGH Institute of Health Professions, Department of Physical Therapy, Post-Professional Program Admission Committee, 2012-Present.

MGH Institute of Health Professions, Department of Physical Therapy, Curriculum Review Committee, 2011-Present.

MGH Institute of Health Professions, Institute 2CC Space Committee, 2011-2012.

MGH Institute of Health Professions, Department of Physical Therapy, Committee on Academic Policy and Procedure, 2010-2012

MGH Institute of Health Professions, Department of Physical Therapy, Search Committee, 2010-2012.

MGH Institute of Health Professions, Department of Physical Therapy, Peer Review Development, 2010.

The University of Scranton, Physical Therapy Program Advisory Board, 2005-2010

The University of Scranton, PT/OT Department Review Board for the protection human research participants, 2009-2010

Penn State Hazleton, Physical Therapist Assistant Program Advisory Board, 2001-2007

PROFESSIONAL SERVICE

Manuscript Reviewer – Journal of Sport Rehabilitation – 2009; Physiotherapy Theory and Practice – 2012-Present; Archives of Physical Medicine and Rehabilitation – 2013-Present

Abstract Reviewer for CSM Orthopedic Section, 2012 - present

Highmark Medical Review Committee, 2006-2010

The University of Scranton, "disAbility" Conference Planning Committee, January 2007-December 2008; January 2009-December 2009

Hearts in Motion (Guatemala), Physical Therapy Service Trip with Arcadia Physical Therapy Program, August 8-22, 2009

PROFESSIONAL ORGANIZATIONS

American Physical Therapy Association (APTA)

Education Section Member, APTA

Orthopedic Section Member, APTA

Research Section, APTA

APTA House of Delegates, Pennsylvania Delegation, 2005-present

Pennsylvania Physical Therapy Association (PPTA)

Research Committee Chair, January 2009-July 2010

Chair Northeast District/PPTA Board Member, PPTA, 2004-2008

Legislative Committee, PPTA, 2003-2006

Legislative Ambassador, PPTA, 2003-2010

Pennsylvania Northeast District Delegate to APTA House of Delegates, 2005-2010

Chair Technology Task Force PPTA, 2005-2008

Vice-Chair Northeast District, PPTA, 2003

Organizational Task Force PPTA, 2002

International Society of Electromyography and Physiology

Member, 2012-Present

National Strength and Conditioning Association

Member 2004, 2006, 2011-Present

The Pennsylvania State University Alumni Society

Member, 2011-Present

CONTINUING EDUCATION

XIXth Congress of the International Society of Electrophysiology and Kinesiology, Brisbane, Australia, July 19-21, 2012.

New Frontiers in Disability Related Comparative Effectiveness Research (CER) Conference, Boston, MA, June 22, 2012.

CSM 2012, Chicago, IL, February 8-11, 2012.

CSM 2011, New Orleans, LA, February 9-12, 2011.

CSM 2010, San Diego, CA, February 17-21 2010.

PPTA State Conference, Seven Springs, PA, October 2009.

PT 2009: The Annual Conference and Exposition of the APTA, Baltimore, MD, June 10-13, 2009.

CSM 2009, Las Vegas, NV, February 2009.

PPTA State Conference, Harrisburg, PA, October 2008.

PT 2008: The Annual Conference and Exposition of the APTA, San Antonio, TX, June 2008.

PPTA State Conference, Pittsburgh, PA, October 2007.

"Reimbursement and Regulation Update," Ms. S. McCuen, PT, Hazleton, PA, April, 2007.

PPTA State Conference, Philadelphia, PA, October 2006.

PT2006: The Annual Conference and Exposition of the APTA, APTA National Conference, Orlando, FL, June 21-24, 2006.

"Reimbursement and Coding for Outpatient Physical Therapy Services," Helene M. Fearon, PT and Stephen Levine, PT, DPT, MSHA, Alexandria, VA, May 11-12, 2006.

PPTA State Conference, Seven Springs, PA, October 2005.

PT2005: The Annual Conference and Exposition of the APTA, APTA National Conference, Boston, MA, June 8-12, 2005.

"2004 Reimbursement and Regulation Update," Ms. S. McCuen, PT, Harrisburg, PA, March 31, 2005.

CSM 2005, New Orleans, LA, February 24-28, 2005.

PPTA State Conference, Harrisburg, PA, October 2004.

PT2004: The Annual Conference and Exposition of the APTA, APTA National Conference, Chicago, IL, June 29-July 3, 2004.

"2004 Reimbursement and Regulation Update", Ms. S. McCuen, PT, Harrisburg, PA, March 2004.

CSM 2004, Nashville, TN, February 2004

"Diagnosis and Treatment of Movement Impairment Syndromes Level I", Ms. S. Sahrmann, PhD, PT, FAPTA, November 2003.

PPTA State Conference, Seven Springs, PA, October 2003.

APTA National Conference, Washington, DC, June 2003.

"2003 Reimbursement and Regulation Update", Ms. S. McCuen, PT and Ms. C. Galletta, PT, MPH, March 2003.

CSM 2003, Tampa, FL, February 2003.

"Selected Interventions of the Cervical Spine and Shoulder", Mr. G. Deyle, PT, DPT, MPT, OCS, FAAOMPT and Mr. M. Bang, PT, November 2002.

PPTA State Conference, Harrisburg, PA, October 2002.

"Examination of the Lower Quarter: Biomechanics", Mr. C. Powers, PT, PhD and Mr. S. Reischl, PT, DPT, OCS, October 2002.

"APTA State Government Affairs Forum," sponsored by the APTA, Louisville, KY, September 21-23. 2002.

PT 2002: The Annual Conference and Exposition of the APTA, sponsored by the APTA, Cincinatti, OH, June 5-8, 2002.

"2002 Reimbursement and Regulation Update," sponsored by the Pennsylvania Physical Therapy Association, Bloombsurg, PA, April 23, 2002.

CSM 2002, Boston, MA; February 20-24, 2002.

"HSC 11.2 Current Concepts of Orthopedic Physical Therapy," sponsored by the Orthopedic Section of the APTA, Home Study Course, Winter 2001-2002.

"Diagnosis and Treatment of Movement Impairment Syndromes, Level 2 Upper Extremity," sponsored by the Washington University School of Medicine, St. Louis, MO; January 12-13, 2002.

"Myofascial Mapping," presented by Kris Roy, PT, IMPC, sponsored by Dialogues in Contemporary Rehabilitation, Bloomfield, CT; June 10, 2001

"S-4 Functional Analysis and Management of the Lumbo-pelvic-hip Complex," presented by Richard Nyberg, sponsored by University of St. Augustine; April 28-29, 2001

PT 2001: The Annual Conference and Exposition of the APTA, sponsored by the APTA, Annaheim, CA. June 20-23, 2001

"Diagnosis and Treatment of Movement Impairment Syndromes," presented by Shirley Sahrmann, PT, PhD, FAPTA, sponsored by the APTA, Annaheim, CA; June 18-19, 2001.

Administrative and Neurologic Tracts at the PPTA State Conference, sponsored by the Pennsylvania Physical Therapy Association, Harrisburg, PA; October 28-29, 2000.

"Medicare Documentation Requirements for Rehabilitation Services for Traditional Medicare and PPS ServiceDelivery," Presented by Thomas J. Slominsji, MA, sponsored by ASRH, Scranton, PA; September 16, 2000.

Physical Therapy 2000: The Annual Conference and Exposition of the American Physical Therapy Association, sponsored by the APTA, Indianapolis, IN; June 14-18, 2000.

"An Intensive Training on Trigger Point, Myofascial and Proprioceptive Therapy for the Upper Quadrant," Presented by Dimitrios Kostopoulos, PT, PhD and Konstantine Rizopoulos, PT, FABS, sponsored by the American Physical Therapy Association, Indianapolis, IN; June 12-13, 2000.

"S-2 Advanced Evaluation and Manipulation of Pelvic, Lumbar and Thoracic Spine," presented by Michael Irwin, University of St. Augustine, Florida, held at Philadelphia, PA; May 19-21, 2000.

"Leading for Service Excellence- Part 1: Awareness and Understanding," presented by Gail Scott, sponsored by Allied Services Rehabilitation Hospital, Scranton, PA; April 3, 2000.

"Mulligan Concepts: Mobilization with Movement, 'NAGS,' 'SNAGS,' Cyriax's and More," presented by Michael Dufrense, PT, MCTA, sponsored by the Western District PPTA at Loretto, PA; March 25-26, 2000.

"Customer satisfaction: Breakthrough Strategies for Leaders in Healthcare," presented by Gail Scott, sponsored by Allied Services Rehabilitation Hospital, Scranton, PA; February 10, 2000.

"Improving Function in Geriatric and Neurological Rehabilitation," presented by Beth Fisher, PT, MS, NCS, sponsered by Allied Services Rehabilitation Hospital, Scranton, PA; September 25-26, 1999.

"Current Concepts in Treatment of Articular Cartilage Injuries of the Knee," presented by Michael Ciccotti, MD, sponsored by Allied Services Rehabilitation Hospital, Scranton, PA; August 27, 1999.

Physical Therapy '99: The Annual Conference and Exposition of the American Physical Therapy Association, sponsored by the APTA, Washington, DC; June 5-8, 1999.

"Evaluation & Treatment of Sacroiliac Joint: Preventing Recurrence," presented by Michael T. Cibulka, PT/MHS, OCS, sponsored by the APTA, June 3-4, 1999.

"Reimbursement for Rehab Service, 1999," presented by Helene Fearon, PT, sponsored by Allied Services Rehabilitation Hospital, Scranton, PA; March 17, 1999.

"Patellofemoral Joint and Shoulder Pain: Current Management Techniques," presented by Jenny McConnell, sponsored by JFK Johnnson Rehabilitation Institute, Edison NJ; October 23, 1998.

"The Lumbar Spine Revisited," presented by Jenny McConnell, sponsored by JFK Johnnson Rehabilitation Institute, Edison NJ; October 22, 1998.

Ninth Annual Stroke Rehabilitation Conference, Cambridge, Massachusetts; October 1997.

"S-1 Introduction to Spinal Evaluation and Manipulation," presented by Larry Yack, University of St. Augustine, Florida, held at Sommerset Medical Center, NJ; July 10-14, 1997.

"Out Think and Out Maneuver Low Back Pain", presented by Angelo Dimaggio, University of Virginia Medical Center, Charlottesville, VA; June 26-29, 1997.

"Movement Disorders Associated with Aging", sponsored by the Teachers' College, Columbia University, New York, NY; April 4-6, 1997.

"18th Annual Neuro-Audiology Seminar", presented by Susan Herdman, St. Joseph's Hospital, Savannah, GA; March 21-22, 1997.

"Outcomes Seminar", presented by Pamela Duncan, Allied Services Rehabilitation Hospital, Scranton, PA; March 14, 1997.

"Treatment of the Back & Neck", presented by Duane Saunders, Allied Services Rehabilitation Hospital, Scranton, PA; March 8-9, 1997.

"Time Management Work Shop", presented by Bruce Scagat, John Heinz Rehabilitation Institute, Wilkes-Barre, PA; February 23, 1997.

"Customer Service Seminar", presented by Sidney Hurlbert, Allied Services Corporate Services Center, Scranton, PA; January 8, 1997.

"A Movement Science Basis for Training Functional Movement in Rehabilitation" presented by Carr and Shepherd at Rehabilitation Institute of Chicago, Chicago, IL; June 1-2, 1996.

"Bridging from Research in Motor Learning and Motor Control to Conceptual Models for Therapeutic Practice" sponsored by the Teachers' College at Columbia University, New York, NY; April 26-27, 1996.

Total Quality Management Training, Corporate Education, Allied Services Rehabilitation Hospital, Scranton, PA; February 7, 1996.

"Balance Rehabilitation in the Neurological Patient", Anne Shumway-Cook, Ph. D., P.T., Fay B. Horak, Ph. D., P.T., Washington, D.C.; October 28-29, 1995.

"Orthopedic Intervention in the Neurologic Patient", Beth Fisher, M.S.P.T., N.C.S. & Robert Landel, M.S.P.T., O.C.S.; September 28-30, 1995.

"Orthopedic Interventions in Children with Cerebral Palsy", Kirk W. Dabne, M.D. & Freeman Miller, M.D.; June 1995.

"Managed Care", Allied Services Rehabilitation Hospital, Scranton, PA; August 23, 1995.

"Strain & Counterstrain I", Ed Goering, D.O., Allied Services Rehabilitation Hospital, Scranton, PA; March 12, 1995.

"Soft Tissue Mobilization", Brian Barnes, Allentown, PA; 1994.

"Introduction to NDT" given by Richard J. Worrall, MSPT, Mechanicsburg Rehabilitation; May 22, 1994.

Updated /04/01/2013