

DIVISION OF BIOKINESIOLOGY & PHYSICAL THERAPY
UNIVERSITY OF SOUTHERN CALIFORNIA

CURRICULUM VITAE
ROB LANDEL, PT, DPT, OCS, CSCS, MTC, FAPTA
March 2020

I. Personal Information

Work Contact Information

Division of Biokinesiology & Physical Therapy at the Herman Ostrow School of Dentistry
University of Southern California
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Los Angeles, CA 90033
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Education

1996	DPT	University of Southern California	Physical Therapy
1984	MS	University of Southern California	Physical Therapy
1981	BS	California State University, Long Beach	Health Science/Community Health Education
1978	AA	Pasadena City College	

Academic Appointments & Administrative Positions

2010-present	Director , Doctor of Physical Therapy Residential Program, USC
2010-present	Director , Physical Therapy Residency and Fellowship Programs, USC
2017-2019	Director , USC Physical Therapy Continuing Education Program
2011	Professor of Clinical Physical Therapy (non-tenure) University of Southern California, Division of Biokinesiology and Physical Therapy at the Herman Ostrow School of Dentistry, Los Angeles, CA.
2009-2010	Director , USC Orthopedic Physical Therapy Residency Program
2002-2011	Adjunct Assistant Professor (non-tenure) Loma Linda University, Department of Physical Therapy.
1998-2005	Director , USC Orthopedic Physical Therapy Residency Program
1996-2010	Associate Professor of Clinical Physical Therapy (non-tenure) University of Southern California, Division of Biokinesiology and Physical Therapy at the Herman Ostrow School of Dentistry, Los Angeles, CA.
1989-1996	Assistant Professor of Clinical Physical Therapy (non-tenure) USC Department of Biokinesiology and Physical Therapy, Los Angeles, CA.
1988-1989	Adjunct Assistant Professor of Clinical Physical Therapy (non-tenure) USC, Department of Physical Therapy, Los Angeles, CA.

Professional and Clinical Appointments

2012-present	Physical Therapist, USA Volleyball - Beach Torrance, CA: PT to USA National Teams at domestic and international events
2003-Present	Physical Therapist, Association of Volleyball Professionals (AVP) Physical Therapist for domestic professional beach volleyball tour

Curriculum Vitae

Rob Landel, PT, DPT, OCS, FAPTA

- 1996-present **Physical Therapist, USC Physical Therapy Associates**
Outpatient Faculty Practice of USC Division of BKN & PT, Los Angeles, CA.
- 2016 **Physiotherapist, Rio 2016 Olympic Games** (Medical Services Volunteer)
Field of Play (Courtside), Beach Volleyball
- 2016 **Representative**, Long Beach South Bay District, to the California APTA Assembly
of Representatives
- 2007-2010 & **Association of Volleyball Professionals (AVP) Medical Advisory Board**
2012-2015 Sports Medicine Event Supervisor; Physical Therapist to AVP athletes.
- 2011 **Volunteer Medical Team Member, USOC Olympic Training Center**,
Chula Vista, CA: Physical Therapist to Olympic-class athletes
- 1989-1996 **Director, USC Physical Therapy Associates**
Outpatient Faculty Practice of USC Division of Biokinesiology and Physical
Therapy, Los Angeles, CA.
- 05/91-08/91 **Director, USC University Hospital Physical Therapy Department**
Inpatient rehabilitation and acute care, Los Angeles, CA.

Previous Employment

- 12/86-8/89 **Staff Physical Therapist**
Bay Shores Medical Group, Inc., Torrance, CA. Outpatient orthopedics.
- 11/85-12/86 **Physical Therapist II**
Rancho Los Amigos Medical Center, Downey, CA. Polio clinic; Outpatient Adult
Neurology Service.
- 11/84-11/85 **Physical Therapist I**
Rancho Los Amigos Medical Center, Downey, CA. Arthritis, Burn Services.

Honors and Awards

- President's Award, Oncology Section, APTA, 2018
Lucy Blair Service Award, APTA, 2018
Associates Award for Excellence in Teaching, University of Southern California, 2014
Royce P. Noland Award of Merit, California Chapter American Physical Therapy Association, 2012
Catherine Worthingham Fellow, APTA, 2012
James A. Gould Excellence in Teaching Orthopaedic Physical Therapy Award, Orthopedic Section of
the APTA, 2009
Teacher of the Year, Division of Biokinesiology and Physical Therapy, 2009
Excellence in Research—Faculty; California Chapter APTA, 2008
Teacher of the Year, Department of Biokinesiology and Physical Therapy, 2005
Steven Rose Excellence in Research Award, Orthopedic Section, APTA, 1998

Membership in Scientific/Professional/Honor Societies

- American Physical Therapy Association
American Academy of Orthopedic Manual Physical Therapy, Associate Member
Phi Kappa Phi Honor Society, member
National Strength and Conditioning Association (NSCA), member.

Licensure

Physical Therapy, State of California, License #12717

Certification

Board Certified Specialist, Orthopedic Physical Therapy (OCS), ABPTS, 1992. Re-certified 2007, 2015

Certified Strength and Conditioning Specialist, NSCA, 2004. Re-certified 2008, 2011, 2014, 2019.

Certified Competency, Vestibular Rehabilitation, APTA and Emory University, 2002.

Certified Manual Therapist (MTC), Institute of Graduate Physical Therapy, 1989.

II. Scholarly Activity**Grant Support**

1. *Comparison of the Effectiveness of Three Manual Physical Therapy Techniques in a Subgroup of Patients with Low Back Pain Who Satisfy a Clinical Prediction Rule: A Randomized Clinical Trial.* **Role: Intervention Therapist.** PI: Joshua Cleland, PhD. 2006-2007.
 2. *The effects of a single intervention session on pain response and lumbar segmental mobility in persons with low back pain: A comparison of spine mobilization and active extension using dynamic MRI.* **Role: Consultant.** PI: Christopher Powers, PT, PhD. \$40,000. Foundation for Physical Therapy. 2001-2002.
 3. *Effects of Patellar Taping on Functional Outcomes in Patients with Patellofemoral Pain.* **Role: Co-Investigator.** PI: Christopher Powers, PT, PhD. \$2000, California Physical Therapy Fund, Inc., Grant # 93-8. 1993.
 4. *Timing of Vasti Muscle Contractions During Functional Activities in Patients with Patellofemoral Pain Syndrome: an Electromyographic Study.* **Role: Co-Investigator.** PI: Christopher Powers, PT, PhD. \$2300, California Physical Therapy Fund, Inc., Grant # 92-6. 1992.
 5. *Instructional Gait Analysis Tutor Using Interactive Computers and Graphic Animation.* **PI: Rob Landel, PT, DPT.** \$1800, California Physical Therapy Fund, Inc., Grant # 88-8. 1988.
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Published Papers in Peer-Reviewed Journals

1. Quatman-Yates CC, **Landel R**, et al. Physical therapy evaluation and treatment after concussion/mild traumatic brain injury. Clinical Practice Guidelines linked to the International Classification of Functioning, Disability and Health. *J Orthop Sports Phys Ther.* 2020;50(4):CPG1-CPG73. doi:10.2519/jospt.2020.0301
2. Alsalaheen B, **Landel R**, Hunter-Giordano A, Shimamura KK, Quatman-Yates C, Hanke T, McCulloch KL. A Treatment-based profiling model for physical therapy management of patients following a concussive event. *J Orthop Sports Phys Ther.* 2019 Nov;49(11):829-841. doi: 10.2519/jospt.2019.8869.
3. Pollard CD, Stearns-Reider KM, Katzel M and **Landel RF**. Knee biomechanics during side-step cutting and performance on return to sport tests: retrospective analysis following anterior cruciate ligament re-injury. *Int J Phys Med Rehabil* 2017, 5:5, 2017.
4. Kulig K, Noceti-DeWit LM, Reischl SF, **Landel RF**. Physical therapists' role in prevention and management of patellar tendinopathy injuries in youth, collegiate, and middle-aged indoor volleyball athletes. *Braz J Phys Ther.* Oct 6 2015. doi: 10.1590/bjpt-rbf.2014.0126.
5. Kulig K, **Landel R**, Chang YJ, Hannanvash N, Reischl SF, Song P, Bashford, G. Patellar tendon morphology in volleyball athletes with and without patellar tendinopathy. *Scand J Med Sci Sports.* 2012 Dec 17. doi: 10.1111/sms.12021. [Epub ahead of print]
6. Powers CM, Beneck GJ, Kulig K, **Landel R**, Fredericson M. The effects of a single session of posterior to anterior spinal mobilization and press-ups on pain response and lumbar spine

- extension in persons with nonspecific low back pain. *Phys Ther*, 88(4):485-493, 2008.
7. Johnson E, **Landel R**, Kusunose RS, Appel, TD. Positive patient outcome after manual cervical spine management despite a positive vertebral artery test. *Man Ther* (2008), doi:10.1016/j.math.2007.12.001
 8. **Landel R**, Kulig K, Fredericson M, Li B, Powers CM. Intertester reliability and validity of manual lumbar spine segmental motion testing. *Phys Ther*. 88:43-49, 2008.
 9. Kulig K, Powers CM, **Landel RF**, Chen H, Fredericson M, Guillet M, Butts K. Segmental lumbar mobility in individuals with low back pain: In vivo assessment during passive and active motion using dynamic MRI. *BMC Musculoskeletal Disorders* 2007, **8**:8 (29 January 2007)
 10. Beneck GJ, Kulig K, **Landel R**, Powers CM. The relationship between lumbar segmental motion and pain response in persons with low back pain. *J Orthop Sports Phys Ther*, 2005;35:203-209.
 11. Kulig K, **Landel R**, Powers CM: Assessment of lumbar spine kinematics using dynamic MRI: a proposed mechanism of sagittal plane motion induced by manual posterior to anterior mobilization. *J Orthop Sports Phys Ther*, 34(2):57-64, 2004.
 12. Doubleday KL, Kulig K, **Landel R**: Treatment of testicular pain using conservative management of the thoracolumbar spine: a case report. *Arch Phys Med Rehabil* 84:1903-5, 2003.
 13. Mascal CL, **Landel R**, Powers C: Management of patellofemoral pain targeting hip, pelvis and trunk muscle function: 2 case reports. *J Orthop Sports Phys Ther* 33:642-660, 2003.
 14. Requejo SM, Barnes R, Kulig K, **Landel R**, Gonzalez DS. The use of a modified classification system in the treatment of low back pain during pregnancy: a case report. *J Orthop Sports Phys Ther*. 32(7):318-26, 2002
 15. Meyer J, Kulig K, **Landel R**: Differential diagnosis and management of subcalcaneal heel pain: A case report. *J Orthop Sports Phys Ther*, 32: 114-122, 2002.
 16. Bast SC, Vangsnest CT, Takemura J, Folkins E, **Landel R**: The effects of concentric versus eccentric isokinetic strength training of the rotator cuff in the plane of the scapula at various speeds. *Bull Hosp Joint Dis* 57(3): 139-144, 1998.
 17. Powers CM, **Landel R**, Sosnick T, Mengel K, Cheney A, Kirby J, Perry J: The effects of patellar taping on stride characteristics and joint motion in subjects with patellofemoral pain. *J Orthop Sports Phys Ther* 26(6):286-291, 1997.
 18. Powers CM, **Landel R**, Perry J: Timing and intensity of vasti muscle activity during functional activities in subjects with and without patellofemoral pain. *Phys Ther* 76:946-955, 1996.

Published Papers in Non-Peer-Reviewed Journals

1. Sigman E, **Landel R**. Clinical Summary: Cervicogenic Headache. American Physical Therapy Association PTNow website. <http://www.ptnow.org/clinical-summaries-detail/cervicogenic-headache>. Published 6/12/2017. Accessed 1/21/2018.

Manuscripts in Press or Accepted for Publication

1. Quatman-Yates C, Hanke T, McCulloch K, Giordano A, **Landel R**, Kumagai K, Alsalaheen B. Clinical Practice Guideline: Physical Therapy Management Following a Concussive Event. *J Orthop Sports Phys Ther*.

Published Books, Chapters & Monographs

Book Chapters

1. Clendaniel RA, **Landel R**, Cervicogenic Dizziness. In: Herdman S, Clendaniel R. *Vestibular Rehabilitation (Contemporary Perspectives in Rehabilitation)*. 4th ed. Philadelphia, PA: F. A. Davis. 2014.

2. **Landel R.** Differential Diagnosis of Dizziness. In: Davenport T, Kulig K, Sebelski C, Gordon J, Watts H. *Diagnosis for Physical Therapists: A Symptom-Based Approach*. Philadelphia, PA: F. A. Davis. 2012.
3. **Landel R.** Beyond Diagnosis: the Search for the Underlying Etiology. In: Davenport T, Kulig K, Sebelski C, Gordon J, Watts H. *Diagnosis for Physical Therapists: A Symptom-Based Approach*. Philadelphia, PA: F. A. Davis. 2012.
4. **Landel R,** Hall C. The Thoracic Spine. In: Hall C, Thein-Brody L, *Therapeutic Exercise: Moving towards function*. 3rd Ed. Lippincott, Williams and Wilkens, 2011.
5. Thein-Brody L, **Landel R.** Patellofemoral Pain. In: Hall C, Thein-Brody L, *Therapeutic Exercise: Moving towards function*. 3rd Ed. Lippincott, Williams and Wilkens, 2011.
6. Pomrantz AB, **Landel R.** Upper Cervical Spine. In: Sueki D, Brechter J, ed. *Orthopedic Rehabilitation Clinical Advisor*. Maryland Heights, MO: Mosby Elsevier, 2010.
7. Clendaniel RA, **Landel R,** Cervicogenic Dizziness. In: Herdman S, ed. *Vestibular Rehabilitation*. 3rd ed. Philadelphia, PA: F. A. Davis. 2007.
8. **Landel R,** Hall C. The Thoracic Spine. In: Hall C, Thein-Brody L, *Therapeutic Exercise: Moving towards function*. 2nd Ed. Lippincott, Williams and Wilkens, 2004. ISBN: 0-7817-4135-1
9. Thein-Brody L, **Landel R.** Patellofemoral Pain. In: Hall C, Thein-Brody L, *Therapeutic Exercise: Moving towards function*. 2nd Ed. Lippincott, Williams and Wilkens, 2004. ISBN: 0-7817-4135-1

Scientific Presentations

International

1. **Landel RF.** *Use of traction to treat cervicogenic dizziness: A case study*. Poster presentation. World Congress of Physical Therapy, Singapore, 2015.
2. Treleaven J, **Landel R,** Malmstrom EM. *Biological mechanisms underpinning dizziness associated with neck pain: implications for clinical management*. Quadrennial International Federation of Orthopedic Manual Physical Therapists (IFOMPT) Conference, Quebec City, Canada, 10/2012.
3. **Landel RF.** *Computerized Dynamic Posturography: From assessment to rehabilitation*. Invited presentation. Portuguese Society of Physical Medicine and Rehabilitation Meeting, Porto, Portugal. 10/2003
4. **Landel RF.** *Reeducation of gait and balance*. Invited presentation. Hellenic Scientific Society of Physical Therapy, Athens, Greece. 11/2002
5. **Landel RF.** *Functional Capacity Re-education*. Invited presentation. Hellenic Scientific Society of Physical Therapy, Athens, Greece. 11/2002
6. **Landel RF.** *Orthopedic Intervention in the Neurologically Involved Patient*. Invited presentation. National Annual Congress, Physical Therapy Association of the Republic of China. Taipei, Taiwan, ROC. 9/2001
7. **Landel RF.** *Vestibular Rehabilitation*. Invited presentation. National Annual Congress, Physical Therapy Association of the Republic of China, Taipei, ROC. 9/2001
8. **Landel RF.** *Vestibular rehabilitation: Habituation Exercise*. First Annual Otorhinolaryngologic Conference, Lisbon, Portugal. 3/1998

National/State

1. Quatman-Yates C, Hanke T, McCulloch K, Giordano A, **Landel R,** Kumagai K, Alsalaheen B. *Clinical Practice Guideline: Physical Therapy Management Following a Concussive Event*. APTA Combined Sections Meeting, Washington DC. 2019.
2. Tilson J, **Landel RF,** Gordon J, Dominguez J, Simpson M, Kirages D, Andersen M, Havens K, Nelson M, Robertson E, Sebelski C, Stevenson J, Aguilar S, Teglia V. *Deciding to expand a DPT program to include a hybrid online/on-campus cohort - a case study of shared governance*.

- Education Leadership Conference, Academy of Physical Therapy Education, APTA. Jacksonville, FL. 10/2018.
3. **Landel RF**, Morris L. *Brain or Sprain? Concussion vs Cervicogenic Dizziness*. APTA Combined Sections Meeting, San Antonio, TX. 2017.
 4. Cleland J, **Landel R**, Mintken P, Olson K. *The Neck Pain Clinical Practice Guideline: Strengths, Limitations, and Recommendations for the Future*. 2016 Annual Orthopedic Section Meeting, Atlanta, GA. 05/2016.
 5. **Landel RF**, Morris L, Holmberg J. *Differentiating Migraine, Cervicogenic, and Anxiety-Related Dizziness*. APTA Combined Sections Meeting, Anaheim, CA. 02/2016.
 6. Hammerle M, **Landel RF**, Nelson J, Bowles A. *Retrospective Record Review: Comparison of two treatments for dizziness post-concussion in an active duty military population*. APTA Combined Sections Meeting, Anaheim, CA. 02/2016.
 7. **Landel RF**, *Leveraging Clinical and Classroom Technology: There's an App for That!* Oakland CA, California Physical Therapy Association, CPTA Annual Conference, October 2014.
 8. **Landel RF**, *Managing the Cervical Spine in a Direct Access State*. Los Angeles, Greater Los Angeles District, May 2014.
 9. **Landel RF**, Elliott J. *Putting psychosomatic and psychosocial theories of chronic neck pain into context with biological factors: where does manual therapy fit?* AAOMPT Meeting, Cincinnati, OH. 10/2013.
 10. **Landel RF**, *Cervical Pain and Cervicogenic Dizziness: Perspectives on Evaluation and Treatment*. APTA Combined Sections Meeting, New Orleans, LA. 2/2011.
 11. **Landel RF**. *Comprehensive cervical spine management: What am I missing?* APTA Combined Sections Meeting, San Diego, CA. 2/2010.
 12. **Landel RF**. *Posturography improvement after cervical manipulation*. APTA Combined Sections Meeting, Las Vegas, NV. 2/2009.
 13. **Landel RF**, Kulig K, Powers CM, Fredricson M, Guillet M. *Spinal Segmental Motion Testing Using a Dichotomous Within Subject Scale*. APTA Combined Sections Meeting, Boston, MA. 2/2002.
 14. **Landel RF**. *Successful outcome using exercise therapy for ototoxic vestibular loss—A case report*. Physical Therapy National Science Meeting and Exposition, Orlando, FL. 6/1998.
 15. **Landel RF**. *The effects of patellar taping on knee motion and stride characteristics in subjects with patellofemoral pain*. World Confederation for Physical Therapy Congress, Washington, DC. 6/1995.
 16. **Landel RF**. *Comparison of concentric, eccentric or combined concentric and eccentric modes for isokinetic training of the shoulder*. APTA Combined Sections Meeting, Reno, NV. 2/1995.
 17. **Landel RF**. *An interactive observational gait tutor utilizing computerized text, graphics and animation*; APTA National Conference, Anaheim, CA. 6/1990.
 18. **Landel RF**. *Comparison of exercise only, continuous passive motion, and combined CPM/NMES on recovery following total knee arthroplasty*; APTA National Conference, Anaheim, CA. 6/1990.
 19. **Landel RF**. *Post-Polio Syndrome: Problem Identification and Treatment Guidelines*; APTA National Conference, San Antonio, TX. 6/1987.
 20. **Landel RF**, England T. *Comparison of Post-op Total Knee Arthroplasty Rehab: Exercise Alone, or Augmented with CPM or Combined CPM/NMES*; California Chapter APTA Annual Conference, Long Beach, CA. 10/1985.
 21. **Landel RF**. *Trends in Post-op Total Knee Arthroplasty Management*; ARA/AHPA Annual Scientific Meeting, Anaheim, CA. 6/1985.

Invited Lectures & Keynote Addresses

International

1. **Landel RF.** *Post-concussion Dizziness and Headache: A Diagnostic and Management Dilemma.* Beijing, China. 06/2019.
2. **Landel RF.** *Treatment of Proprioceptive Deficits in the Lower Extremity.* Barcelona, Spain. 10/1996.
3. **Landel RF.** *Balance and Vestibular Rehabilitation; Preventing Falls in the Elderly.* France, England, Scotland, Germany, Netherlands. 09/1996
4. **Landel RF.** *Balance and Vestibular Rehabilitation; Preventing Falls in the Elderly.* Seoul, Korea; Taipei, Taiwan; Hong Kong; Singapore; Kuala Lumpur, Malaysia. 03/1995

National

1. **Landel R.** *Managing Post-Concussion Syndrome: The Diagnostic Dilemma, and Where Does Manual Therapy Fit In?* 18th Annual Patricia Leahy Lecture, University of the Sciences, Philadelphia PA. 09/2018
2. **Landel R.** *Concussion or worse? Differentiating and managing patients with dizziness in a typical (busy!) outpatient clinic.* University of New Mexico Annual PT Research Day. Albuquerque, NM. 05/2018
3. **Landel R.** *Concussion or worse? Differentiating and managing patients with dizziness in a typical (busy!) outpatient clinic.* Alaska Physical Therapy Association Annual Meeting, Alyeska, AK. 10/2016.
4. **Landel RF.** *Vestibular rehabilitation in the orthopedic setting.* Wisconsin APTA State Conference. 10/2015.
5. **Landel RF.** *Cervical spine contributions to concussion symptoms: A hidden culprit.* 5th Annual First Coast Sports Medicine Symposium, Jacksonville Sports Medicine Program. Jacksonville, FL 03/2015.
6. **Landel RF, Kulig K.** *Patellar Tendinosis in volleyball athletes.* USA Beach Volleyball Medical Summit, US Olympic Training Center, Chula Vista, CA. 02/2015.
7. **Landel RF.** *A House Divided.* Royce P. Noland Award Address, California Chapter APTA Annual Conference, Pasadena, CA. 09/2013.
8. **Landel RF.** *The missing links to comprehensive cervical spine management.* Invited presentation to California Chapter APTA Annual Conference, Pasadena, CA. 09/2013.
9. **Landel RF, Tilson J.** *There's an App for That!* APTA Combined Sections Meeting, San Diego, CA. 2/2013.
10. **Landel RF.** *Cervicogenic Dizziness: Perspectives on Evaluation and Treatment.* Vestibular SIG, Neurology Section, APTA. 2010 Combined Sections Meeting, San Diego, CA. 2/2010.
11. **Landel RF.** Conference Keynote Address. *Managing patients with neck pain: Forgotten considerations.* Florida Physical Therapy Association, 2009 Annual conference, Orlando, FL. September 11, 2009.
12. **Landel RF.** *Cervicogenic dizziness: An orthopedic spin on vertigo, cervical dysfunctions, and whiplash.* Florida Physical Therapy Association, 2009 Annual conference, Orlando, FL. September 10, 2009.
13. **Landel RF.** *Cervicogenic dizziness.* Invited presentation. American Academy of Orthopedic Manual Therapists Annual Conference, St. Louis, MO. 10/2007.
14. **Landel RF.** *Differential Diagnosis of Dizziness.* Invited presentation to California Chapter APTA Annual Conference, San Jose, CA. 10/2006.

15. **Landel RF.** *Cervicogenic Dizziness.* Invited presentation to Neurology and ENT Departments, Cleveland Clinic, Cleveland, OH. 08/2005.
16. **Landel RF.** *Residency Education: the Clinician's Challenge.* American Academy of Orthopedic Manual Therapists, Louisville, KY. 10/2004.
17. **Landel RF.** *Residency Education: the Academic Challenge.* Academic Administrator's Special Interest Group, Education Section, APTA. St. Louis, MO. 10/2004.
18. **Landel RF.** *Differential diagnosis in orthopedic physical therapy.* Invited presentation. California Physical Therapy Association Annual Meeting, Sacramento, CA. 11/2003.
19. **Landel RF.** *Exercising away your pain.* Invited presentation. USC Andrus School of Gerontology, annual Leadership Retreat, San Diego, CA. 05/2003.
20. **Landel RF.** *Current concepts in physical therapy for low back pain.* Invited presentation. USC Community Hospital Network; presented to the physicians at Valley Presbyterian Hospital, Van Nuys, CA. 04/2003.
21. **Landel RF.** *Management of the Dizzy Patient.* Department of Physical Therapy, Loma Linda University. 11/2002.
22. **Landel RF.** *Management of the Dizzy Patient.* Department of Physical Therapy, Loma Linda University. 10/2002.
23. **Landel RF.** *Conquering neck and back pain.* Invited presentation. USC Andrus School of Gerontology, annual Leadership Retreat, San Diego, CA. 05/2002
24. **Landel RF.** *Forum on Clinical Residency and Fellowship Credentialing.* APTA Combined Sections Meeting, Boston, MA. 02/2002.
25. **Landel RF.** *Whipped and Dizzy: cervical vertigo and whiplash.* Invited presentation. Annual meeting, Kentucky Chapter, APTA. 10/2000.
26. **Landel RF.** *Whipped and Dizzy: cervical vertigo and whiplash.* Invited presentation. APTA Combined Sections Meeting, New Orleans, LA. 2/2000.
27. Powers CM, **Landel R.** **The Steven Rose Excellence in Research Award.** Presented by the Orthopedic Section, APTA. *The effects of patellar taping on stride characteristics and joint motion in subjects with patellofemoral pain.* APTA Combined Sections Meeting, Seattle, WA. 2/1999.

Continuing Education Presentations: International

- 2016 *PHYT 3011: Musculoskeletal Management III. The Thoracic spine, Cervical Spine and TMJ.* Advanced Standing Doctor of Physiotherapy program, Addis Ababa University, Ethiopia.
- Cervicogenic Dizziness: An Evidence-based Competency Course.* Sponsored by APTA, Emory University, Skill Works, Inc.
- 2015 Auckland University of Technology, Auckland, New Zealand
- 2012 Singapore General Hospital, Singapore
- Examination and management of the cervical spine, thoracic spine and temporomandibular joint.* Sponsored by The Jackson Clinics Foundation, Project Africa. Middleburg, VA.
- Jan & Nov Kenya Medical Training College Higher Diploma in Physical Therapy, Nairobi,
2014 Kenya. 10-day teaching assignment training physiotherapists from all over Kenya.
- Vestibular Rehabilitation. Continuing education courses.*
- 2012 Singapore General Hospital, Singapore
- Balance and Vestibular Rehabilitation; Preventing Falls in the Elderly.*

Curriculum Vitae

Rob Landel, PT, DPT, OCS, FAPTA

- 7/00 Bethesda Hospital, Melbourne, Australia.
- 7/00 Brisbane and Adelaide, Australia.

Orthopaedic Intervention in the Neurologically Involved Patient.

- 5/00 Glenrose Rehabilitation Center, Edmonton, Alberta, Canada.
- 4/00 G. F. Strong Rehabilitation Centre, Vancouver, BC, Canada.

Management of the Vestibular Patient. Cedar Court Physical Rehabilitation Hospital, Melbourne, Australia. 1995

Continuing Education Presentations: National

Advanced Management of the Cervical Spine

- 2017 Sponsored by Redwood District, CPTA and Skill Works, Inc. Santa Rosa, CA.
- 2015 Sponsored by MedStar Good Samaritan Hospital and Skill Works, Inc. Baltimore, MD.

Cervicogenic Dizziness: An Evidence-based Competency Course. Sponsored by APTA, Emory University, Skill Works, Inc.

- 2019 Seattle WA; Davenport IA; Sapulding Rehab, Cape Cod, MA; Oakland, CA.
- 2018 Banner Health, Phoenix, AZ; Chestnut Hill, Philadelphia, PA; Portland, OR.
- 2017 Intermountain Health, Salt Lake City, Utah, January; Worcester, MA; Therapeutic Associates, Eugene, OR.
- 2016 Good Shepherd Penn Partners, Philadelphia, PA; Rush Medical Center, Chicago IL. October
- 2015 Baptist Hospital, Miami, FL; Rusk Rehabilitation, NYU Langone Medical Center, New York, NY; Emerson Hospital, Concord, MA; Agile Physical Therapy, Palo Alto, CA.
- 2014 University of Minnesota, Minneapolis, MN; University of Pittsburgh, Pittsburgh, PA.
- 2013 Newark, NJ; Portland, OR; University of Utah, Salt Lake City, UT
- 2012 Sharp-Rees, San Diego, CA; St. Louis University, St. Louis, MO; OrthoSport Physical Therapy, Davie, FL
- 2011 Chestnut Hill Medical Center/Top of the Hill; Philadelphia, PA; Northwestern University, Chicago, IL
- 2010 St. Jude's Medical Center, Brea, CA; Charlotte, NC; Portland, OR
- 2009 Long Beach, CA.
- 2008 Massachusetts General Hospital, Boston, MA; Colorado Springs, CO; Beach, CA.
- 2007 Seattle, WA; Long Beach, CA.
- 2006 Nashville, TN. Long Beach, CA.
- 2005 Rusk Medical Center, New York City, NY. Long Beach, CA.
- 2004 Long Beach, CA.

Management of Cervicogenic Dizziness. In: Current Concepts in Vestibular Rehabilitation: a Competency Course. Emory University, Atlanta, GA and Duke University, Raleigh, NC.

6/2014, 8/2011, 8/2009, 8/2007, 8/2005, 7/2003

Vestibular Rehabilitation: A Competency Course. Faculty member. Emory University, Atlanta, GA. 2019 (USC), 2017 (USC), 2015 (USC), 2013 (USC), 2012, 2008, 2007, 2006, 2005, 2004, 2003, 2002

Vestibular Rehabilitation. Continuing education courses.

- 2017 St. Jude's Medical Center, Brea, CA

- 2013 Children’s Hospital Orange County, Brea, CA; Human Performance Center, Santa Barbara, CA
- 2012 St. Jude’s Medical Center, Brea, CA
- 2010 St. Jude’s Medical Center, Brea, CA
- 2008 Long Beach, CA; Detroit, MI
- 2007 Santa Barbara, CA (APTA); Las Vegas, NV (NAS).
- 2006 Long Beach, CA; Denver, CO; Chicago, IL; Reno NV (APTA).
- 2005 Santa Cruz, CA; Long Beach, CA; Atlanta, GA; Rhode Island; Newport Beach, CA.
- 2004 Las Vegas, NV, Tacoma WA, La Jolla, CA, Chicago, IL, Long Beach, CA.

Manipulation of the spine.

- 2013 USC, Los Angeles, CA.
- 2011 USC, Los Angeles, CA.

Management of the Cervical Spine

- 2012 Dynamic Physical Therapy, Morgantown, WV.
- 2012 San Jose District, CPTA, San Jose, CA.
- 2011 USC, Los Angeles, CA.
- 2010 USC, Los Angeles, CA.
- 2009 USC, Los Angeles, CA.
- 2008 USC, Los Angeles, CA.

Manipulation of the Thoracic and Lumbar spine. Enloe Rehabilitation Hospital, Chico, CA. 2011.

Comprehensive Management of the Cervical Spine. Enloe Rehab Center, Chico, CA. 2010.

Cervical Spine. In: *Spending a Day with Master Clinicians – The Richard Erhard Memorial Symposium.* COMPTSIG Post-Conference Course, CPTA Annual Conference, Oakland CA, 2010.

Cervical Spine: Management of Sensorimotor Deficits. California State University, Northridge. 2010.

Managing Patients with Neck Pain: Additional Considerations. Orange County District, CPTA. 2009.

Looking over the shoulder of a clinician. California Physical Therapy Association Annual Conference, Pasadena, CA. 2009.

Comprehensive management of the cervical spine. Salinas, CA. 2009.

Grade 5 Mobilizations: An evidence-based approach

- 2009 Agile Physical Therapy, Palo Alto, CA.
- 2008 Glendale Adventist Medical Center, Glendale, CA. Community Hospital of Monterey Peninsula, Monterey, CA.

An evidence-based approach to selected manipulation interventions

- 4/08 Nevada APTA Spring Conference, Las Vegas, NV.

Residency 101: How to Start a Residency Program.

- 2/06 APTA Combined Sections Meeting, San Diego, CA; APTA Private Practice Section Annual Meeting; Miami, FL.
- 10/05 American Academy of Orthopedic Manual Therapists Annual Conference, Salt Lake City, UT.
- 2/05 APTA Combined Sections Meeting, New Orleans, LA.

Whipped and Dizzy: An orthopedic spin on dizziness.

- 6/03 Fortanasce and Associates, Arcadia, CA.
- 11/00 University of Southern California, Los Angeles, CA.

Orthopaedic Intervention in the Neurologically Involved Patient.

- 11/07 Hoag Memorial Presbyterian Hospital, Newport Beach, CA.
- 1/05 Community Hospital of Monterey Peninsula, Monterey, CA.
- 1/03 Golden Gate District APTA, Oakland, CA.
- 11/02 Utah APTA State Chapter Meeting, Salt Lake City, Utah.
- 4/02 Glendale Adventist Medical Center, Glendale, CA.
- 10/99 Enloe Rehab Center, Chico, CA.
- 6/99 Sharp Memorial Rehab Center, San Diego, CA.
- 5/99 Meriter Hospital, Madison, WI.
- 6/98 APTA National Science Meeting and Exposition, Orlando, FL.
- 5/97 University of Southern California, Los Angeles, CA.
- 10/96 Fairview Riverside Medical Center, Minneapolis, MN.
- 9/96 Rehabilitation Institute of Chicago, Chicago, IL.
- 5/96 Texas Institute of Research and Rehabilitation, Houston, TX.
- 4/96 University of Southern California, Los Angeles, CA.
- 11/95 CareRehab, Inc, VA.
- 10/95 Beaver College, PA.
- 9/95 Rehabilitation Institute of Chicago, Chicago, IL.
- 1/95 Fairview Riverside Medical Center, Minneapolis, MN.
- 9/94 Rancho Los Amigos Medical Center, Downey, CA.
- 9/94 Rehabilitation Institute of Chicago, Chicago, IL.
- 4/94 Oregon Rehabilitation Center, Eugene, OR.
- 3/94 University Hospital, Denver, CO.
- 2/94 Davies Medical Center, San Francisco, CA.
- 5/93 Rehabilitation Institute of Chicago, Chicago, IL.

Balance and Vestibular Rehabilitation; Preventing Falls in the Elderly.

- 12/04 Long Beach, CA.
- 9/04 Scripps Medical Center, San Diego, CA
- 5/04 Tacoma, WA.
- 4/04 Las Vegas, NV.
- 4/03 Anacortes, WA.
- 4/98 Tri-City Medical Center, Oceanside, CA.
- 4/98 California State University Northridge, Northridge, CA.
- 97-03 Loma Linda University, Loma Linda, CA.
- 4/97 Northridge Medical Center Physical Therapy Department.
- 1/97 Peachwood Physical Therapy, Los Angeles, CA.
- 3/95 Tricounty District, APTA, Santa Barbara, CA

Differential Diagnosis. University of Southern California, Los Angeles, CA. 2004

Vestibular Rehabilitation. Invited presentation. UCLA Medical Center, Los Angeles, CA. 2003.

Orthopaedic Intervention in the Neurologically Involved Patient. Part 2. Meriter Hospital, Madison, WI. 2000.

Management of Orthopedic Dysfunctions. Quarterly Courses, organized by body region. Long Beach Memorial Medical Center, Long Beach. 2000-2001.

Management of Upper Quarter Dysfunctions. Sharp Memorial Rehabilitation Center, San Diego. 1999.

Functional Orthopedics I Instructor. Institute of Physical Art. 1991-1998.

- Management of Lumbar and Pelvic Girdle Dysfunctions.* Garfield Medical Center, Los Angeles. 1998
- Management of Upper Quarter Dysfunctions.* Garfield Medical Center, Los Angeles. 1997
- Instructional Course. Implications of the Foot and Ankle on Lower Quarter Dysfunction.* Long Beach-South Bay District APTA, Torrance, CA. 1994.
- Manual Orthopaedic Physical Therapy Series: Dysfunctions of the Lumbar Spine.* Casa Colina Center for Rehabilitation, Pomona, CA. 1993
- Manual Orthopaedic Physical Therapy Series: Dysfunctions of the Cervical Spine.* Casa Colina Center for Rehabilitation, Pomona, CA. 1993
- Instructional Course. Implications of the Foot and Ankle on Lower Quarter Dysfunction.* California Chapter APTA Annual Conference, Anaheim, CA. 1993
- Manual Orthopaedic Physical Therapy Series: Dysfunctions of the Shoulder Complex.* Casa Colina Center for Rehabilitation, Pomona, CA. 1993
- Manual Orthopaedic Physical Therapy Series: Dysfunctions of the Foot and Ankle.* Casa Colina Center for Rehabilitation, Pomona, CA. 1993
- Manual Orthopaedic Physical Therapy Series: Dysfunctions of the Knee.* Casa Colina Center for Rehabilitation, Pomona, CA. 1993
- The Foot and Ankle and Lower Quarter Dysfunction.* USC. 1992
- Manual Therapy & Movement Level I; Second Instructor.* Salinas, CA. 1988
- Neuromuscular Electrical Stimulation Workshop Instructor.* Rancho Los Amigos Medical Center. 1986.
- Rheumatoid Arthritis -- Evaluation and PT Intervention.* California State University, Long Beach Physical Therapy Department. 1985
- NMES in Conjunction with CPM.* Phoenix, AZ; Nashville, TN. 1985

III. Academic, Administrative & Service Activities**Administrative Appointments**

- Member, Division Institute for Excellence in Teaching, USC, 2018–
- Member, Center for Excellence in Teaching Faculty Fellow Leadership Institute, USC, 2018–2019
- Director, Physical Therapy Continuing Education Program, USC, 2017–2019
- Director, Doctor of Physical Therapy Program, USC, 2010–
- Director, Physical Therapy Residency and Fellowship Programs, USC, 2010–
- Director, USC Orthopedic Physical Therapy Residency Program, 1998-2005; 2009-2010.
- Director, USC Physical Therapy Associates, 1989-1996.
- Director, USC University Hospital Physical Therapy Department, 5/91-8/91.

Committee Activities*University:*

- | | |
|-----------|---|
| 2019 | Teaching Deans Meetings |
| 2010-pres | Educational Technology Group (University) |
| 2001-06 | Blackboard/Web Learning Steering Committee (University) |
| 1997–99 | Health Professions Continuing Education Committee (University). |

Curriculum Vitae**Rob Landel, PT, DPT, OCS, FAPTA**

- 1995-96 President's Business Affairs Advisory Committee (University).
 2005-2008 Committee on Information Services (University: joint Academic Senate and Provost committee); member.

Graduate School

- 2011 Hearing Panel for Amending an Education Record (Graduate School)

School of Dentistry:

- 2009-2016 Faculty Development Committee (School of Dentistry)

Department/Division

- 2010-pres Executive Committee (Division)
 2010-pres DPT Operations Committee (Division): Chair
 2004-pres Curriculum Committee (Division): Chair 2010-present
 2017-2019 Continuing Education Committee (Division): Chair
 2010-2012 Sullivan Center Planning Committee (Division)
 2008-2010 PT Alumni Association Faculty Liaison (Division)
 2003-2010 Year 3 Curriculum Committee (Division); Chair
 2006-07 Strategic Planning (Division); Clinical Practice (chair); Post-professional education (member); Entry level DPT (member)
 2005-06 Executive Advisory Committee, (Division).
 2004-06 Merit Review Committee (Department); member
 1998-2000 Department Chair Search Committee (Department).

Courses Developed & Taught

<u>Course No.</u>	<u>Title of Course</u>	<u>Director (D) or Participating Faculty (P)</u>	<u>Session</u>	<u>Credit Units</u>	<u>Lect. Lab</u>
583	Clinical Electrophysiology	D	Spring	1	Lab
625	Emerging Topics in Physical Therapy	D	Summer	2	Lec
632	Integrated Patient Seminar	D	Fa, Sp (Year 3)	5	Lec
630	Integrated management of the upper and lower extremities	P	Fa, Sp (Year 3)	3	Lec Lab
631	Integrated management of the Spine	P	Fa, Sp (Year 3)	3	Lec Lab
623	Advanced Management of the Spine (Orthopedic Residency)	P	Sp (1998-2006)	3	Lec Lab
621	Management of the Patient with Musculoskeletal Disorders	D	Sp (1998-2004)	5	Lec Lab
521	Basics of Patient Management	D	Fa (1998-2003)	4	Lec Lab

527	Advanced Patient Management	D	Su (1989-1987)	2	Lec Lab
	Controversies in Physical Therapy	D	Sp (1994-1996)	2	Lec

Activities in Professional Organizations
American Physical Therapy Association (APTA)

2019-2020 Task Force, Annual Meeting Review: Academy of Orthopedic Physical Therapy

2014-present Task Force: Development of Clinical Practice Guideline for managing persistent symptoms after mild traumatic brain injury, Academy of Neurologic Physical Therapy, APTA.

2014-2019 Vestibular Specialty Practice Development Task Force, Academy of Neurologic Physical Therapy, APTA.

2016 Representative to the Assembly of Representatives for Long Beach-South Bay District, California Chapter APTA.

 2009-present California Orthopedic Manual Physical Therapy Special Interest Group (COMPTSIG), California Chapter, APTA;
Founding member and Chair, 2009-2012.
 Member, 2009-present. Communications committee.

2014-15 Task Force: Development of Clinical Practice Guideline for managing peripheral vestibular loss, Academy of Neurologic Physical Therapy, APTA.

2014-15 Independent Study Course Advisory Panel Member, Orthopedic Section.

 2002-2006 Orthopedic Specialty Council, APTA, (**Chair** 2005-6)

 2001-2005 Committee on Postprofessional Clinical Residency and Fellowship Program Credentialing, APTA (**Chair** 2003-2005)

2002-2005 Orthopedic Practice Analysis Task Force, Orthopedic Section, APTA.

1999-2002 Subject Matter Expert Group for Revision/Revalidation of the Description of Specialty Practice in Orthopedic Physical Therapy, Orthopedic Section, APTA

1999-2002 Committee of Content Experts, American Board of Physical Therapy Specialties

1997-1999 Specialization Academy of Content Experts, American Board of Physical Therapy Specialties

1987-89 Newsletter Editor, Long Beach-South Bay District APTA

Membership

APTA Section Membership: Orthopaedic, Neurologic, Education

Special Interest Group Membership: Private Practice (California), Vestibular (Neuro), Foot/Ankle (Ortho), Performing Arts (Ortho), COMPTSIG (California).

Other Grant Reviewer, Orthopedic Section, APTA

Consulting Activities

2008-2012 Consultant, Oncology Practice Analysis Task Force, Oncology Section, APTA.

2008 Consultant, St. Louis University Physical Therapy Program: Musculoskeletal curriculum review.

Curriculum Vitae

Rob Landel, PT, DPT, OCS, FAPTA

2007-08	Consultant, University of Virginia–HealthSouth Orthopedic PT Residency
2007-08	Emory University Vestibular Rehabilitation Fellowship Program, Atlanta, GA
2007	Achieve Orthopedics Orthopedic PT Residency Program, Chicago IL
2006	Kaiser Permanente Hayward Orthopedic Manual Therapy Fellowship
2006	Oregon Health Sciences University Pediatric Physical Therapy Residency Program.
2006	Saint Ambrose University Orthopaedic PT Residency Program.
2001-2005	Expert witness, Lewis v. Portner Orthopedic Rehabilitation, Inc.
1994–97	Member of Advisory Board, Joseph H. Pilates Foundation.

Journal Editorial Boards

Journal Reviewer

Archives of Physical Medicine and Rehabilitation
Journal of Orthopedic and Sports Physical Therapy
Physical Therapy

Continuing Education

Combined Sections Meeting, APTA. 1990-present. 1.9-2.4 CEU's.
iTeach, iLearn, iPad. 0.8 CEUs.

Evidence-based Exercise Programs for the Cervical Spine, Deborah Falla. 1.5 CEU, 2017

Motivational Interviewing, 0,7 CEU, 2016

Orthopedic Section Annual Conference, 1.8 CEU, 2016

Orthopedic Residency Retreat, 0.4 CEU, 2013

Compliance Tools for Outpatient PT, 0.8 CEU, 2013

American Academy of Orthopedic Manual Therapy Annual Conference, 1.8 CEU, 2011, 2012, 2013, 2016

NEXT Meeting, APTA. 2013-present. 2.1 CEU.

Education Leadership Conference. APTA, 1.8 CEU, 2011, 2012.

Emergency Medical Response. Sports Section, APTA, 2.4 CEU, 2/12.

Advances in Vestibular Rehabilitation. Susan Herdman, PT, PhD. Duke University, 2.4 CEU, 8/11.

Scientific Meeting and Exposition, National APTA Conference. 1987, 1989-98, 2000-03, 2006-2012.
0.7 CEU's each.

Preparation for PT Day on Capitol Hill, *Justin Moore, Michael Matlack* 0.2 CEU

The Headache Epidemic, Pain, and the Neuromatrix, *Cesar Fernandez-de-las-Penas* 0.3 CEU

Neuroplasticity and Graded Motor Imagery *David Butler* 0.3 CEU

The Oxford Debate *Chad E. Cook, Margaret Elaine Lonnemann, Stanley Paris, Anthony Delitto, Steven Z. George, Nichole H. Raney* 0.1 CEU

Therapeutic Neuroscience Education for Pain, Anxiety, and Stress in Musculoskeletal Conditions: Explaining Pain to Patients *Adriaan Louw* 0.3 CEU

Running: Functional Assessment and Treatment: A 1-day course, April 13, 2011. CPTA Approval #: 11-183. CEUs: 0.2

2011 CPTA Legislative Day. California Physical Therapy Association. Ethics. CPTA Approval #: 11-48. CEU: 0.3

California Chapter APTA Annual Meeting. 1984-present.

Using Clinical Pattern Recognition to Demystify Cervico-Thoracic and Shoulder Complex Problems. 0.15 CEUs.

Research Podium Presentations. CPTA Con Ed #: 10-314-L Date: October 2, 2010 Contact Hours: 1.5. CEUs: 0.15

Pilates for Integrated Wellness throughout a Woman's Lifespan. CPTA Con Ed #: 10-314-D Date: October 1, 2010 Contact Hours: 3.5. CEUs: 0.35.

Expert Musculoskeletal Care: Physical Therapists Role in U.S. Healthcare. CPTA Con Ed #: 10-314-B Date: October 1, 2010 Contact Hours: 6.5. CEUs: 0.65

Move It and Move On: Integrating Manual Therapy and Functional Rehab of the Shoulder Girdle. CSM Pre-conference course, New Orleans, LA. 02/11

Spending the Day with a Master Clinician. COMPTSIG post-conference course, CPTA Annual Conference. 10/10.

Looking Over the Shoulder of a Clinician. COMPTSIG post-conference course, CPTA Annual Conference. 10/09

Advances in Vestibular Rehabilitation. Susan Herdman, PT, PhD. Emory University, 2.4 CEU, 8/09.

HVLA of the Upper Extremity. Brett Windsor, CSM, 2/08.

Chain Reaction. Gray Institute, San Diego CA. 5/07.

Manipulation of the Spine, Peter Gibbons, Philip Tehan, USC. 32 hours, 4/06.

Manipulation of the Spine, Peter Gibbons, Philip Tehan, USC. 32 hours, 4/05.

Preparing for the CSCS Examination, Loren Chu, CSCS, USC, Los Angeles, CA. 8 hrs, 5/04.

Spinal Manipulation; The Manipulation Education Manual, Tim Flynn, PhD, PT, USC, Los Angeles, CA. 5 hrs, 5/04.

Manipulation of the Spine, Peter Gibbons, Philip Tehan, Tim Flynn, Oklahoma University. 32 hours, 4/04.

Current Concepts in Vestibular Rehabilitation: a Competency Course. Susan Herdman, PT, PhD. Emory University, 2.4 CEU, 7/03.

Advanced Evaluation and Treatment of the Lumbar Spine, Olaf Evjenth PT, USC, Los Angeles, CA. 8 hrs, 5/03.

Advanced Evaluation and Treatment of the Cervical Spine, Olaf Evjenth PT, USC, Los Angeles, CA. 8 hrs, 5/02.

Advanced Management of Cervical Disorders. Richard Erhard, PT, DC. 8 hrs, 3/02.

Evaluation and Treatment of the Lumbar Spine, Olaf Evjenth PT, USC, Los Angeles, CA. 8 hrs, 5/01.

Management of the Lumbar Spine. Richard Erhard, PT, DC. 8 hrs, 3/01.

Vestibular Rehabilitation: A Competency Course. Susan Herdman, PT, PhD. Emory University, 4.0 CEU, 3/01.

Manual Evaluation and Treatment of the Cervical Spine, Olaf Evjenth PT, USC, Los Angeles, CA. 8 hrs, 5/00.

Management of the Cervical Spine. Richard Erhard, PT, DC. 8 hrs, 3/00.

- Mulligan concept.* Brian Mulligan, Dip. MT. 9/99. 1.3 CEU's.
- Evaluation and Treatment of the Cervical Spine,* Olaf Evjenth PT, USC, Los Angeles, CA. 16 hrs, 5/99.
- Management of the Pelvic Girdle.* Richard Erhard, PT, DC. 3/99.
- Advanced Mobilization of the Spine.* Joe Godges PT, OCS. 16 hrs, 2/97.
- Evaluation and Treatment of the Cervical Spine,* Olaf Evjenth PT, Folsom Physical Therapy, Folsom, CA. 6/96.
- The Pelvic Girdle,* Richard Jackson PT, San Francisco, CA. 12/94.
- The Lumbar Spine.* APTA Home Study Course. 12/94.
- Mobilization of the Nervous System, Part II,* David Butler PT, Hayward, CA. 11/94.
- A Combined Approach to Manual Therapy.* APTA Orthopædic Section, and American Academy of Orthopædic Manual Physical Therapy, New Orleans, LA. 2/94.
- Muscles and Back Pain: Assessment and Treatment of Impaired Movement Patterns and Motor Recruitment,* Vladimir Janda, MD, Torrance, CA. 10/93.
- National Educators Seminar on Teaching the Spine,* Freddy Kaltenborn PT, Olaf Evjenth PT, Oakland University Physical Therapy Program, Rochester, MI. 8/93.
- The Lumbar Spine,* Olaf Evjenth PT, Folsom Physical Therapy, Folsom, CA. 32 hours. 5/93.
- Mobilization of the Nervous System,* David Butler PT, Los Angeles, CA. 3/93.
- Behavioral Basis of Motor Control and Learning (BKN 599);* Carolee Winstein, PhD PT, USC Advanced Masters PT Program. Spr 1992.
- Introduction to Clinical Applications of the Clinical Reformer and Pilates-based Rehabilitation,* Brent Anderson PT, Elizabeth Larkam MA, Cotati, CA. 12/92.
- Manual Therapy for Thoracic Spine and Rib Dysfunction,* Tim McCarthy PT, Folsom Physical Therapy, Salt Lake City, UT. 3/92.
- Introduction to NDT Treatment of the Neurological Patient,* Beth Fisher PT NCS, Glendale, CA. 11/91.
- Year-long Manual Therapy Course;* Joe Godges PT OCS, Pacific Manual Therapy, Torrance, CA. 1991.
- Clinical Uses of the Kin-Com,* John Hisamoto PT, 7/91 Alhambra, CA, Los Angeles, CA., 10/91.
- Clinical Uses of the Smart Balance Master,* Leslie Allison PT, Los Angeles, CA. 10/91.
- Advanced McConnell Patellofemoral Treatment Approach;* Jenny McConnell PT, Los Angeles, CA. 3/91.
- Vestibular Rehabilitation;* Fay Horak PhD PT, Anne Shumway-Cook PhD PT, San Diego, CA. 11/90.
- Functional Orthopedics II;* Greg Johnson PT, George Aaron PT, Kent Keyser PT, Institute of Physical Art, San Francisco, CA. 6/90.
- McConnell Patello-femoral Treatment Approach;* Maureen Leeson PT, Chuck Felder PT, Santa Ana, CA. 6/90.

- PNF I*; Tim Josten PT, Sue Adler PT, Institute of Physical Art, Downey, CA. 5/90
- Treating Muscle Imbalances*; Shirley Sahrman PhD PT, Los Angeles, CA. 1/90.
- Functional Orthopedics I*; Greg Johnson PT, George Aaron PT, Gail Wetzler PT, Institute of Physical Art, Downey, CA. 1/90.
- Physical Therapy for TMJ Arthroscopy*; Thomas Eggleton MS PT, Dennis Langton PT, San Diego, CA. 1/90.
- Evaluation and Treatment of the Craniomandibular System*; Alan Lee MS PT; Institute of Graduate Health Sciences, Santa Monica, CA. 10/89.
- Graduate, Manual Therapy Certification*; Institute of Graduate Health Sciences, St. Augustine, FL. 8/89.
- Problem Solving in the Clinical Management of Patients with Lower Quarter Dysfunction*; Alan Lee MS PT, South Bay Group for Clinical Advancement, San Pedro, CA. 4/89.
- S-2: Advanced Evaluation and Manipulation of the Pelvic, Lumbar and Thoracic Spines*; Mike Irwin PT, Rich Nyberg PT; Institute of Graduate Health Sciences, Santa Monica, CA. 2/89.
- Muscle Energy Approach to Lumbar Spine Dysfunction*; Grace Walker RPT, OTR, Torrance, CA. 11/88.
- S-3: Advanced Evaluation and Manipulation of the Cranio-Facial, Cervical and Upper Thoracic Spines*; Stanley Paris, PhD, PT; Institute of Graduate Health Sciences, San Francisco, CA. 10/88.
- E-1: Introduction to Extremity Evaluation and Manipulation*; Joe Godges PT; Institute of Graduate Health Sciences, San Diego, CA. 10/88.
- Proprioceptive Neuromuscular Facilitation: The Upper Quarter*; Guy Watase PT, Dutch Hofmeister PT, San Pedro, CA. 9/88.
- Manual Therapy & Movement: Level II*, Joe Godges PT, Torrance, CA. 5/88.
- Problem Solving in the Clinical Management of Patients with Upper Quarter Dysfunction*; Alan Lee MS PT, Westminster CA. 2/88.
- S-1: Introduction to Spinal Evaluation and Manipulation*; Joe Godges PT; Institute of Graduate Health Sciences, Santa Monica, CA. 2/88.
- Manual Therapy & Movement: Level I*, Joe Godges PT, Torrance, CA. 7/87.
- Treatment of spinal dysfunction with joint mobilization, autotractive, and exercise*; Sandy Burkhart, PhD PT, Los Angeles, CA. 11/86 .
- Analytical Kinesiology (PT 580 AL)*; Jacquelin Perry, MD, USC Advanced Masters PT Program. Fall 1986 .
- Cyriax Approach to Orthopedic Medicine: Part A*; Stephanie Saunders, MCSP, Stanford University. 7/86 .
- Neuromuscular Electrical Stimulation Workshop*; Lucinda Baker, PhD, PT, Northridge Hospital, CA. 11/86 .
- Understanding Patellofemoral and Cruciate Disorders of the Knee*; Mike Sawyer PT, Long Beach-South Bay District APTA. 11/85.

