

CURRICULUM VITAE

Renee Ann Zoeller Ivens, PT, DPT

PRESENT POSTION: Associate Professor
Program in Physical Therapy and Orthopaedic Surgery
Washington University School of Medicine

EDUCATION:

| <u>Degree</u> | <u>Institution</u> | <u>Field</u> | <u>Date</u> |
|---------------|--|------------------------------------|-------------|
| B.S. | Maryville University St. Louis, Missouri | Physical Therapy | 1984 |
| M.H.S. | Washington University St. Louis, Missouri | Health Science Physical Therapy | 1992 |
| D.P.T. | Washington University St. Louis, Missouri | Physical Therapy | 2006 |

PROFESSIONAL EXPERIENCE:

| <u>Institution/Facility</u> | <u>Position</u> | <u>Date(s)</u> |
|--|--|---|
| Washington University School of Medicine Program in Physical Therapy | Associate Professor Assistant Professor Instructor Lecturer | 7/13- present 7/07- 7/13 9/02-7/07 1/86-9/02 |
| Irene Walter Johnson Rehabilitation | Physical Therapist | 8/85-1992 |
| The Rehabilitation Institute of St. Louis | Lead Physical Therapist Staff Physical Therapist | 1/01-2/02 2/02-9/02 |
| Barnes-Jewish Hospital | Senior Physical Therapist Orthopaedic Clinical Specialist | 2/96-12/00 1992-2/96 |
| St. Louis University Department of Physical Therapy | Clinical Instructor | 7/87-6/88 7/89-6/90 |
| Metropolitan Physical Therapy St. Louis, Missouri | Physical Therapist | 9/84-8/85 |

COMMITTEES:

Program in Physical Therapy Washington University School of Medicine

| | |
|--|--------------|
| Professional Program Curriculum Committee | 2011-present |
| Committee on Academic and Professional Evaluation of Students (CAPES) | 2010-present |
| Committee on Academic Evaluation of Students (CAES) | 2007-2010 |
| International Service Committee | 2008-2011 |
| Admissions Committee | 1998-2009 |
| Clinical Practice Advisory Committee | 2002-2008 |
| Program Innovation Council | 2003-2004 |
| Planning Committee for Orthopaedic Clinical Fellowship in Diagnosis and Management of Movement Impairment Syndromes | 2004-2006 |

MEDICAL LICENSURE AND BOARD REGISTRATION:

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|---|--------------|
| Missouri Board of Registration for the Healing Arts Registration Number: 01496 | 1984-present |
| Credentialed Clinical Instructor American Physical Therapy Association (APTA) | 2009-present |

HONORS AND AWARDS

Helen Mae Bradley Award
Maryville University
December 2013

PROFESSIONAL ORGANIZATIONS:

| | |
|---|--------------|
| American Physical Therapy Association | 1983-present |
| Orthopaedic Section (APTA) | 1993-present |
| Oncology Section | 2009-2011 |
| Missouri Physical Therapy Association | 1983-present |
| American Society of Shoulder and Elbow Therapists | 2010-present |

EDITORIAL RESPONSIBILITIES/MANUSCRIPT REVIEW:

Reviewer: *Manual Therapy*

2011-present

PEER REVIEWED SCIENTIFIC AND PROFESSIONAL PRESENTATIONS:

Exercise Prescription for Shoulder Problems: Moving Away From a "One Size Fits All"
APTA Combined Sections Meeting
Las Vegas, NV
February 2014

Movement System Impairment Diagnoses Applied to the Breast Cancer Patient
APTA Combined Sections Meeting
San Diego, CA
February 2010

Concentrated Education Series: Movement System Impairment - Shoulder
APTA Annual Conference & Exposition
Boston, MA
June 2005

Evaluation and Management of Nerve Compression in the Upper Extremity in Cumulative
Trauma Disorders
Joint Congress of the APTA and CPTA
Toronto, Canada
June 1994

Platform Presentations

“Treatment of Multidirectional Shoulder Instability Guided by a Movement System Diagnosis”
American Society of Shoulder and Elbow Therapists Annual Meeting
Las Vegas, NV
October 2013

Zoeller RA. “Changes in the Infrasternal Angle with Abdominal Contractions”
APTA Annual Conference
Washington, DC
June 1993

Poster Presentations

“Incidence of Scapular Movement Impairments and Effect of Corrections”
APTA Combined Sections Meeting
Las Vegas, NV
February 2009

CLINICAL RESPONSIBILITIES:

Position: Faculty Practitioner, Washington University Physical Therapy Clinics

Current Clinical Responsibilities:

Direct care of patients presenting with surgical and non-surgical sequelae involving the cervical, thoracic or lumbar spine, shoulder, hip, and knee. A special emphasis has been on pain and movement dysfunction of the shoulder and peripheral nerve dysfunction in upper extremity.

TEACHING RESPONSIBILITIES:

Current Teaching Responsibilities

Professional Clinical Doctorate (DPT) Curriculum (WUSM)

Kinesiology II (PT 613)

Coursemaster: 2010-present
Unit coordinator/Lecturer: 2008-present
Class Size: 76-80
Credit hours: 5

Diagnosis & Management of Musculoskeletal Conditions I (PT 614)

Lab Assistant: 2002-present
Class Size: 76-80
Credit hours: 3

Orthopaedic Medicine (PT 623)

Coursemaster: 2007-present
Class Size: 71-80
Credit hours: 2

Diagnosis & Management of Musculoskeletal Conditions II (PT 624)

Unit co-coordinator/Lecturer/Lab Assistant: 2002-present
Class Size: 71-80
Credit hours: 3

Essential Clinical Skills II (PT 627)

Lecturer: 2010-present
Lab Assistant: 2002-present
Class Size: 71-80
Credit hours: 3

Case Integration Lab I (PT 628)

Lecturer/Lab Assistant: 2002-present
Class Size: 71-80
Credit hour: 1

Diagnosis & Management of Musculoskeletal Conditions III (PT 638)

Lecturer/Lab Assistant: 2002-present
Assistant Coursemaster: 2009
Class Size: 71-80
Credit hours: 3

Case Integration Lab II (PT 642)
Advisor/Lab Assistant: 2002-present
Assistant Coursemaster: 2006
Class Size: 71-80
Credit hour: 1

Diagnosis and Evidence Analysis in PT Practice III (PT 650)
Advisor: 2002-present
Class size: 2-3 students
Credit hours: 3

Case Integration III (PT 654)
Advisor: 2002-present
Lecturer/Lab Assistant: 2007-present
Class size: 70-80 students
Credit hours: 3

Selected lecture and lab instruction for other courses in the professional curriculum:
Professional Issues and Skill Development I, II, and III.

Clinical Fellowship in Diagnosis and Management of Movement Impairment Syndromes

Mentorship for on-site fellow and distance fellows on examination and treatment for a wide range of orthopaedic patients.
2011-present

Women's Health Residency

Lecture/discussion: Movement System Diagnoses for the Shoulder Applied to the Patient with Breast Cancer
2011-present

Post-Professional Clinical Doctorate (PP DPT) Curriculum

Diagnosis & Management for Musculoskeletal Conditions Upper Quarter (M22-740)
Lecturer/Lab Assistant
Class size: 10-20 students
Credit hours: 3

Diagnosis & Management for Musculoskeletal Conditions Lower Quarter (M22-750)
Lab Assistant

Class size: 10-20 students
Credit hours: 3

Student Advisement

Capstone Project (M22 820)
3 credit hours

Ben Close

“The Contribution of Scapular Alignment & Movement Control to Neck Pain”

Anticipated completion May 2014

Capstone Project (M22 820)
6 credit hours

Scott Gregory

“Associating scapular kinematics with impingement at the glenohumeral joint”

Completion December 2013

Capstone Project (M22 820)
6 credit hours

Jennifer Long

“Operative and non-operative treatment methods and related outcomes for anterior shoulder instability in young and middle-aged adults”

Completion May 2013

Capstone Project (M22 820)
3 credit hours

Erica Herron

“Axillary Web Syndrome: Treatment options and outcomes for patients with breast cancer”

Completed in August 2012

Independent Study (M22 500)
3 credit hours

Matt Driskill

“Physical Therapy for Patients with Venous or Neurogenic Thoracic Outlet Syndrome”

Completed in May 2011

Capstone Project (M22 820)
6 credit hours

Becky Miller

“Middle, Older, and Advanced Age Women’s Response to High Intensity Resistance Training: A Review of the Literature and Comparison of Three Case Studies”

Completed in December 2010

Previous Teaching Responsibilities

Instruction in professional curriculum in entry level Masters of Science in Physical Therapy

and Post Professional Masters relating to examination and intervention for patients with musculoskeletal impairments, management of orthopaedic conditions, advisement of students and coordination of student elective coursework.
1986-2002

Professional Clinical Doctorate Occupational Therapy (OTD) Curriculum (WUSM)

Medical and Mental Health Conditions (OT 5223)
Topic: Orthopaedic Conditions and Musculoskeletal Disorders
Lecturer: 2008-2011

PEER REVIEWED PUBLICATIONS:

Papers

Brown JM, Yee A, **Ivens RA**, Dribben W, Mackinnon SE. Post-Cervical Decompression Parsonage-Turner Syndrome Represents a Subset of C5 Palsy: 6 Cases and Review of the Literature. *Neurosurgery*. 2010;67(6).

Abstracts

Zoeller RA, Caldwell C, Norton BJ. Reliability of Measuring the Infrasternal Angle. *Physical Therapy*. 1992;72(6, Suppl).

Duffin L, **Zoeller R**. Reliability and Comparison of Two Goniometric Measures of the Wrist. *Proceedings of the 1991 APTA Conference*.

Caldwell C, Smith LW, Stemmons VA, **Zoeller RA**, Norton BJ. Reliability of a Method for Measurement of Scapulohumeral Rhythm in Normals. *Proceedings of the 1991 APTA Conference*.

Zoeller RA. Reliability of Diagnostic Resisted Movements at the Shoulder. *Proceedings of the 1990 APTA Conference*.

Zoeller RA, Sahrman SA. Comparison of Methods for Assessing Humeral Flexion and Associated Scapular Motion. *Physical Therapy*. 1989;69(5).

Zoeller RA, Sahrman SA. The Effect of Patient Position on Active and Passive Range of Medial Rotation of the Humerus. *Physical Therapy*. 1988;68(5).

Zoeller R, Barbee J, Rose SJ, Wright-Hinzpeter C. A Goniometric Comparison of Prone and Sitting Hip Rotation. *Physical Therapy*. 1987;67(5).

Barbee J, Wright Hinzpeter C, Rose SJ, **Zoeller R**. Reliability of an inclinometer for hip rotation measurement. *Physical Therapy*. 1987;67(5).

Wright Hinzpeter C, **Zoeller R**, Rose SJ, Barbee J. Reliability of goniometry in measuring hip rotation. *Physical Therapy*. 1987;67(5).

INVITED PUBLICATIONS:

Book Chapter

Spitznagle TS, **Ivens RA**. Movement Impairment Syndromes of the Thoracic Spine in *Movement System Impairment Syndromes in the Extremities, Cervical and Thoracic Spines*. Sahrman S. Mosby, Inc. St Louis, MO; 2010.

INVITED SPEAKER:

The Shoulder: Relating the Movement Impairments to the Diagnosis.
MPTA Spring Conference
St Louis, Missouri
April 2013

Scapular and glenohumeral movement faults associated with breast cancer treatment.
Midwest Therapist Study Group
Chesterfield, Missouri
July 2012

Physical Therapy for the Patient with Cervical Pain
Washington University Physical Medicine and Rehabilitation Education
St. Louis, Missouri
July 2011
Breast Cancer Rehabilitation for the Non-Women's Health Practitioner
Eastern District MPTA
St. Louis, Missouri
February 2011

Diagnosis and Treatment of Movement Impairment Syndromes
8th Annual Kim Hale Memorial Conference for Therapeutic Excellence
San Angelo, Texas
March 2011

Scapular Movement Impairments
Annual National Baseball Team Medicine Conference: Injury Prevention & Treatment
Techniques
Sponsored by Major League Baseball
St Louis, Missouri
January 2008

Evaluation of Scapular Movement
CASE (Center for Athlete's Shoulder and Elbow) Baseball Medicine Conference
St. Louis, Missouri
July 2007

Rehabilitation Exercises for Scapular Muscles
The 1st Annual CASE (Center for Athlete's Shoulder and Elbow) Shoulder & Elbow
Conference
The Orthopaedic Center of St Louis
St. Louis, Missouri
May 2006

Thoracic Outlet Syndrome
Eastern District MPTA
St. Louis, Missouri
November 2005

Carpal Tunnel Syndrome: A PT Perspective
Washington University Resident Training Series
St. Louis, Missouri
September 2005

Diagnosis and Treatment of Movement Impairment Syndromes: Lower Quarter
Alaskan Physical Therapy Association Fall Meeting
Fairbanks, Alaska
September 2002

Muscle and Movement Imbalance - Diagnosis and Treatment
Southern Illinois Chapter IPTA, Special Interest Group
Belleville, IL
August 2000

Evaluation and Treatment of Thoracic Outlet Syndrome.
St. Louis Orthopaedic Special Interest Group
St. Louis, Missouri
Spring 1994

CONTINUING EDUCATION PROGRAMS PROVIDED:

Diagnosis and Treatment of Movement System Impairment Syndromes
1990-present
Presentation and organization of several continuing education courses for physical therapists.
Courses are offered at four levels: Introductory Level, Advanced Upper Quarter, Advanced
Lower Quarter and Advanced Lab Course with focus on Upper or Lower Quarter.
An average of 3 courses per year at national and international venues.

Thoracic Outlet Syndrome
Kansas City Orthopaedic Evening Series
International Spine & Pain Institute
Kansas City, Missouri
November 2010

Thoracic Outlet Syndrome

Saint Louis Orthopaedic Evening Series
International Spine & Pain Institute
St Louis, Missouri
May 2010

Impingement & Rotator Cuff: Injury, Surgery & Rehab
Saint Louis Orthopaedic Evening Series
International Spine & Pain Institute
St Louis, Missouri
April 2008

Posture Management Exhibit
Nerve Compression Syndromes
Practical Anatomy and Surgical Technique Workshop
June 1994

ADDITIONAL PROFESSIONAL ACTIVITY:

Committees

Physical Therapy Department
Maryville University
Advisory Committee
2001-present

Consulting

Toyota Corporation Therapy Department
Date of Service: Spring and Summer 2007
Nature of Service: Provided education for Toyota (S. Indiana plant) Medical staff
through in-service and direct observation of patient care

Presentations

Superheroes and Super Bodies
Lunch and Learn Series
St Louis Science Center
July 2007

Exercise after Head and Neck Cancer
Midwest Laryngectomy Conference
October 2005

St. Louis Acoustic Neuroma Association
Support Group Presentation
January 2005

Exercise through the Middle Years

Women and Infant Services
October 1992, June 1993

Other

Washington University School of Medicine
Health Happening, Ask the Expert
February 2012

Washington University School of Medicine
Health Professions Fair, Office of Diversity
February 2007, February 2011

Schnucks Health Fair - Ask the Doctor
October 2009

Maritz Health Fair – Ask the Doctor
October 2008

Washington University School of Medicine
Employee Health Fair Screening
2003

Washington University School of Medicine
Benefits Fair
1999
Southwestern Bell Health Fair
May 1997

Machinist Health Fair
April 1997

Festival of the Ages
June 1996

APTA Conferences Attended

Combined Sections Conference
2008, 2009, 2010, 2011, 2012, 2013
National Annual Conference
1987-1994, 2005

Missouri State Conferences
1985, 2013

Continuing Education Attended: (2006 to present)

Exercise in the Prevention of Chronic Disease

Washington University, Alumni Day Seminar
September 28, 2013

Exercise in the Prevention of Chronic Disease
Steven Blair, PhD
Washington University, Steven J Rose Symposium
September 27, 2013

Results and Return to Sports after Posterior Capsule Release
Keith Sanders, PT, MHS, SCS
Rehabilitation Institute of St Louis, EDMPTA
January 8, 2013

Manual Therapy of the Spine
Myra Meekins, PT, DPT, OCS, FAAOMPT
Washington University
December 14, 2012

Pain: Mechanisms and Clinical Applications
Washington University, Alumni Day Seminar
September 22, 2012

Pain: Mechanisms and Clinical Applications
Kathleen Sluka, PT, PhD & Steven George, PT, PhD
Washington University, Steven J Rose Symposium
September 21, 2012
Risk Factors and Treatment Strategies for Lower Extremity Osteoarthritis
Washington University, Alumni Day Seminar
September 17, 2011

Exercise and Functional Training in Patients with Osteoarthritis
Kelley Fitzgerald, PT, PhD, FAPTA
Washington University, Steven J Rose Symposium
September 16, 2011

Optimizing Patient Outcomes
Washington University, Alumni Day Seminar
September 12, 2009

Locomotor Training after Central Nervous System Injury
Edelle Field-Fote, PT, PhD
Washington University, Steven J Rose Symposium
September 11, 2009

Health Policy and Health Care Reform: Where are we now and how did we get there?
Patricia Naylor, PT, MS
Washington University, EDMPTA meeting
September 8, 2009

Physician's Lecture on Lymphedema
Klose Lymphedema Therapy Course
St. Louis, Missouri
July 15-17, 2009

APTA CI Education and Credentialing Program
Washington University, St Louis, Missouri
June 2009

An Overview of Fraud and Abuse in the Medicare Program
Amy Miller
St Louis University, EDMPTA Meeting
November 11, 2008

Oncology Rehabilitation and Cancer Survivorship
North American Seminars, Inc.
St Louis, Missouri
October 11 & 12, 2008

Perspectives on the Management of Back Pain
Washington University, Alumni Day Seminar
September 20, 2008

Mechanisms of Back Pain
Paul Hodges, BPhy, MedDr, PhD
Washington University, Steven J Rose Symposium
September 19, 2008

Exercise and Nutrition: Prescription for Sarcopenia
Washington University, Alumni Day Seminar
September 15, 2007

Exercise & Nutrition to Enhance Human Performance
Washington University, Steven J Rose Symposium
September 14, 2007

Strength training works in CP: Now let's do it!
Washington University, EDMPTA meeting
September 11, 2007

Synopsis of Diagnosis Dialog I Conference
Washington University, EDMPTA meeting
September 12, 2006

Skeletal Muscle Biology: Mechanics and Function
Washington University, Steven J Rose Symposium & Alumni Day Seminar

September 15 and 16, 2006

Innovative Approaches to Orthopaedic Rehabilitation: Current Concepts in
Tendinopathy
St Louis University and Practical Anatomy & Surgical Education
April 18, 2006

Past Continuing Education Attended

Topics included: Peripheral nerve dysfunction, vertebral artery testing, movement disorders, and general orthopaedic updates

COMMUNITY ACTIVITIES:

St Patrick's Center Volunteer 2010

Susan G. Komen Race for the Cure

- Supporter, Fund-raising 2003-2006, 2008, 2009, 2013
- Volunteer 2010, 2011

Member, Missouri Botanical Gardens (2006-2013)

Sister Cities Organization (2003-2008)

Southwestern Illinois Special Olympics Volunteer (1999)

Member St Louis Zoo Friends (1994-1997)