Date October 30, 2018

**CURRICULUM VITAE**

Rachelle L. Studer-Byrnes

UF Health Heart & Vascular and Neuromedicine Hospitals  
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Rehabilitation Services

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**EDUCATION:**

2007 University of St. Augustine for Health Sciences, St. Augustine, Florida, DPT

Advanced Coursework: Extremity examination, evaluation, and treatment; Pharmacology; Myofascial Manipulation; Advanced Evaluation and Manipulation of the Pelvis and Lumbar, Cranio-Facial, Cervical and Upper Thoracic Spine; Functional Analysis: Lumbo-Pelvic-Hip Complex

2003 University of Florida, Gainesville, Florida, BS Exercise and Sport Science

**LICENSURE INFORMATION**:

Florida Physical Therapy License #PT 23543, Expires 11/31/19

**CERTIFICATIONS:**

2012 Board Certified Specialist in Neurologic Physical Therapy, American Board of Physical Therapy Specialties (ABPTS),

**EMPLOYMENT AND POSITIONS HELD:**

August 2015-Present Adjunct Clinical Lecturer, University of Florida, Doctor of Physical Therapy

Program, Gainesville, FL

2016-2017 Clinical Mentor Faculty, Neurological Residency, Neuro-Recovery Training

Institute, LLC, Kentucky

2015-2016 Faculty – Neuro-Recovery Training Institute, Neuro-Recovery Training

Institute, LLC, Kentucky

2014-Present Physical Therapist UF Health Heart & Vascular and Neuromedicine

Hospitals, Gainesville, FL

2011-2014 to present Neurologic Residency UF Health Shands Rehab Hospital

Coordinator & Mentor, Gainesville, FL

2008-2014 Primary Physical Therapist UF Health Shands Rehab Hospital, Stroke

Team, Gainesville, FL

2007-2008 Physical Therapist, UF Health Shands Rehab Hospital, Ortho Team,

Gainesville, FL

**PROFESSIONAL AND TEACHING EXPERIENCE**: (Academic; Non-academic)

*Academic:*

**University of Florida – Public Health & Health Professions -Department of Physical Therapy**

PHT 6762C Neuro-rehabilitation II (Instructor) 2016-present

PHT 6762C Neuro-rehabilitation II (Co-Instructor) 2015-2016

PHT6761C Neuro-rehabilitation I (Secondary Instructor) 2015-Present

PHT 6186C Neuroscience (Secondary Instructor) 2015-Present

PHT 6302C Principles of Disease (Secondary Instructor) 2015-Present

PHT 6186C Motor Control I/Therapeutic Exercise I (Co-Instructor) 2015-2017

PHT 6190C Motor Control II/Therapeutic Exercise II (Co-Instructor) 2015-present

*Non-Academic:*

**UF Health and Shands**

Students/Mentees/Advisees/Trainees:

Neurologic Residents (5) 2011-2014

DPT students – 1:1 and 2:1 Model; 2008-2017

Observation students (DPT students and undergraduate students) 2008-Present

SERVICES to the UNIVERSITY/COLLEGE/SCHOOL on COMMITTEES/COUNCILS/COMMISSIONS:

National- American Physical Therapy Association

APTA Political Action Committee. Key Contact for Representative Corrine Brown (2015-2016)

#### State/Regional – Florida Physical Therapy Association

Nominating Committee Member (2018-Present)

4th Alternate to House of Delegates (2016-2017)

3rd Alternate to House of Delegates (2014-2015)

Northern District Chief Assembly Representative (2012-2016)

Assembly Representative (2008-2012) (2016-Present)

Gainesville Sub-District Chair (2009-2013)

Department Service:

Learning over Grades Task Force, Department of Physical Therapy, College of PHHP (2018)

Integration and Consistency Task Force, Department of Physical Therapy, College of PHHP(2018)

Department of Physical Therapy Curriculum Committee, College of PHHP (2017-present)

Therapeutic Exercise Task Force, Department of Physical Therapy, College of PHHP (2017)

Physiology Task Force, Department of Physical Therapy, College of PHHP (2016-2017)

**PEER REVIEWED PUBLICATIONS:**

1. J. Howarth, R. Studer, E. Fox, C.K. Balasubramanian. Intensive gait intervention using partial bodyweight support and treadmill as an adjuvant therapy in non-ambulatory individuals with acute stroke. Physiotherapy 2015 Oct; Volume 101, Supplement 1 eS26–eS426.

**PEER REVIEWED SCIENTIFIC and PROFESSIONAL PRESENTATIONS**:

1. R. Studer-Byrnes, C. McGovern, B. Smith. Functional outcomes of a patient post-stroke with LVAD following intensive inpatient rehabilitation: A case study. APTA, CSM, (Poster) New Orleans, LA. February 22-24, 2018.
2. A. Corcoran, R. Studer-Byrnes. Combination of Visual Scanning Training and Limb Activation to Improve Left Visuospatial Neglect Following Acute Stroke: A Case Report. APTA, CSM, (Poster) New Orleans, LA. February 22-24, 2018.
3. T. Kazemfar, R. Studer-Byrnes, C. Senesac. Impact of Postural Control, Circuit, and Aquatic Physical Therapy in a Group Setting on Three Pediatric Patients with Familial Friedreich’s Ataxia. APTA, CSM, (Poster) New Orleans, LA. February 22-24, 2018.
4. J. Howarth, R. Studer, E. Fox, C.K. Balasubramanian. Intensive gait intervention using partial bodyweight support and treadmill as an adjuvant therapy in non-ambulatory individuals with acute stroke. WCPT Congress, (Poster). 2015.
5. Studer, R (May 2015). Cardiovascular Risk Factors and Exercise Recommendation Post-Stroke, UF and UF Health, 3rd Annual Stroke Conference, Gainesville, Florida

**NON-PEER REVIEWED PUBLICATIONS:**

None to report

**NON-PEER REVIEWED PRESENTATIONS:**

1. Studer, R (Jan 2014) Cranial Nerve Assessment. Guest Lecturer, UF DPT curriculum: Neuroscience (Dr. Heather Ross), Gainesville, Florida.
2. Studer, R (Sep 2012, 2013, 2014) Stroke Assessment: What’s in your tool box? Guest Lecturer, UF PT curriculum: Neuro-rehabilitation I (Dr. Dorian Rose), Gainesville, Florida.
3. Studer, R. (Sep. 2010) What is Physical Therapy? UF Neuro-psychology course (Dr. Tom Kerkhoff), Gainesville, Florida.

**FUNDED/IN REVIEW GRANT ACTIVITY:**

None to Report

**CURRENT/ACTIVE RESEARCH ACTIVITY**:

“University of Florida Stroke Rehabilitation Retrospective Data Collection Review”

Approved IRB for retrospective review of rehabilitation practice for patients post stroke admitted to UF Health Shands Hospital between 2016-2017. PI: Dr. Teddy Youn. Role: Co-Investigator

PAST RESEARCH ACTIVITY:

“Combining Neural and Behavioral Interventions to Enhance Post-Stroke Recovery”

*VA Rehab R&D Brain Rehabilitation Research Center (BRRC)*, Dr. Dorian Rose

Awarded: 2011

Role: Intervention Physical Therapist

**MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS:**

American Physical Therapy Association (National), 2005-present

Academy of Neurologic Physical Therapy, 2012-present

Academy of Acute Care Physical Therapy, 2015-present

Florida Physical Therapy Association, Norther District (APTA), 2005-present

**COMMUNITY SERVICE:**

* UF Physical Therapy Pro-bono care, Clinician, Gainesville, FL (2016-Present)
* UF Physical Therapy Equal Access Clinic, Clinician, Gainesville, FL (2011 – Present)
* Amputee Support Group, Volunteer, Ocala, FL (2009-2011)
* Stroke Support Group, Group Leader, Gainesville, FL (2008 – 2013)
* Gator Adapted Sport Camp, Volunteer, Gainesville, FL (2001, 2006)

**HONORS and AWARDS:**

1. Outstanding Clinical Educator Award, Department of Physical Therapy, University of Florida. 2009.

**CONTINUING EDUCATION ATTENDED:**

1. FPTA Annual Meeting, 2-day coursework and meeting of the assembly of representatives – September, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016
2. UF Health Shands 4th Annual Stroke conference – March, 2017
3. APTA Education Section Faculty Development Workshop – July, 2017
4. IV STEP: Prevention, Prediction, Plasticity, and Participation - 2016
5. Neuromuscular Plasticity Symposium. University of Florida, 2014-2018
6. Combined Section Meeting (CSM) – 2012, 2013, 2014, 2015, 2016, 2017, 2018
   1. Pusher Syndrome – Neuroscience, Evidence, Assessment, and Treatment - 2017
   2. Movement diagnosis in Physical Therapy - 2017
   3. A comprehensive roadmap to managing patients with disorders of consciousness – 2017
   4. A core set of outcome measures for Neurologic Physical Therapy – A CPG - 2017
   5. Misconceptions of Spasticity - 2016
   6. Optimizing neuroplasticity in Stroke - 2016
   7. It’s all about the Base -2016
   8. Excellence in Education in the Health Professions - 2016
   9. Team Based learning in DPT curriculum – 2015
   10. Effect of BDNF - 2015
   11. Visual perceptual disturbances – 2014
   12. Motor learning and performance – 2014
   13. Multi-sensory integration on balance control – 2014
   14. Decreasing readmission for heart failure – 2014
   15. Revving up the clinical researcher - 2014
   16. Sensory reweighting a rehabilitative mechanism – 2013
   17. Neurological rehab: Strategies for maximizing “intensity” across the rehab continuum. 2013
   18. Accelerating motor learning and sustaining outcomes through support for fundamental psychological needs. 2013
7. Neural and biomechanical mechanisms for locomotor training. University of Florida. Carolynn Patten. 2014
8. Post-stroke walking recovery: from locomotor learning to real-world activity, Darci Reisman, University of Florida, 2013.
9. Walking on the back side of the brain. University of Florida. Amy Bastian, 2013.
10. Early Rehab in the ICU. University of Florida. Dale Needham, 2013.
11. Clinician guide to the collaborative model of education. Jamie Dyson, 2013.
12. Hospital readmission following inpatient. University of Florida. Kenneth Ottenbacher, 2013.
13. Moving Forward Together: Excellence in Education and Practice, PREP for Excellence. University of Florida, UF Department of Physical Therapy, Gainesville, FL, January 20-21, 2012
14. Locomotion: Evidence Based Framework for Clinical Decision Making. Mark Bowden. 2012
15. Southern Medical Association Burn Conference – Rehab Symposium, Oct. 2008
16. Fall Prevention with vestibular and balance training – 2008

**CONTINUING EDUCATION COURSES TAUGHT:**

1. Studer, R., Seale, J.EIM Stroke Certification Program Development, Neuro-Recovery Training Institute, Neuro-Recovery Training Institute, LLC, Kentucky, 2015-2016.
2. Studer, R, Thigpen, M. Post-polio and ALS treatment considerations UF HSRH Neurologic Residency Program, Gainesville, Florida. Dec. 2013.
3. Studer, R, Thigpen, M. Motor Control and the Basal Ganglia. UF HSRH Neurologic Residency Program, Gainesville, Florida. Sep. 2013.
4. Studer, R. Clinical considerations in the treatment of patients post-stroke. UF HSRH Neurologic Residency Program, Gainesville, Florida. Sep 2011, 2012, 2013.
5. Studer, R. The Shoulder Part I: Anatomy and Palpation. UF HSRH Staff, Gainesville, Florida. Aug. 2011.
6. Studer, R. The Shoulder Part II: Biomechanics. UF HSRH Staff, Gainesville, Florida. Aug. 2011.
7. Studer, R. Successful Burn Rehabilitation: A Team Effort. UF HSRH Staff, Gainesville, Florida. Mar. 2009.
8. Studer, R, Piazza, B. Tools for Managing the Affected Upper Extremity. UF Health Shands Rehab Services, Gainesville, Florida. Mar. 2009.