

# Derek Allen Barton

## CONTACT INFORMATION

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Orlando, FL 32828

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## EDUCATION

- 2015 **Fellow of the American Board of Brain Injury and Rehabilitation;** Carrick Institute for Graduate Studies, Cape Canaveral, FL
- 2013 **Diplomate of the American Chiropractic Neurology Board;** Carrick Institute for Graduate Studies, Cape Canaveral, FL
- 2010 **Doctor of Chiropractic;** Life University, Marietta, GA
- 2005 **Bachelor of Science, Mechanical Engineering;** University of Wisconsin- Platteville, Platteville, WI

## EMPLOYMENT

- 2/2017-Present **Clinician;** Neurosynergy Associates, PA, Cape Canaveral, FL
- 10/2015-Present **Director of Clinical Operations;** Plasticity Brain Centers, Orlando, FL
- 8/2012-Present **Clinical Assistant Professor of Neurology;** Carrick Institute for Graduate Studies, Cape Canaveral, FL
- 7/2013-6/2015 **Staff Clinician and Assistant Director of Operations;** Carrick Brain Centers, Marietta, GA
- 11/2011-7/2013 **Clinician and Provider Relations Liaison;** Life Functional Neurology Center, Marietta, GA
- 7/2011-7/2013 **Adjunct Faculty - Manual Therapy Technique;** Life University, Marietta, GA
- 5/2010-7/2013 **Research Associate;** Life University, Marietta, GA
- 6/2010-6/2011 **Chiropractor;** Barton Chiropractic, Kennesaw, GA

## INTERNSHIP EXPERIENCE

- 10/2009-3/2010 **Chiropractic Intern;** Naval Medical Center Portsmouth, Portsmouth, VA; Oceana Naval Air Station, Virginia Beach, VA
- 10/2009-3/2010 **Chiropractic Intern;** Wards Corner Chiropractic, Norfolk, VA

## RESEARCH EXPERIENCE

- 5/2011, 10/2012 **Poster Presentation;** International Association of Functional Neurology and Rehabilitation, Orlando, FL
- 3/2012 **Poster Presentation;** Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV
- 4/2011 **Platform Presentation;** World Federation of Chiropractic Congress, Rio de Janeiro, Brazil
- 3/2009, 3/2011 **Platform Presentation;** Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV
- 1/2008- 3/2010 **Research Scholarship Recipient;** Life University, Marietta, GA
- 1/2010 **Research Assistant;** Spinal Missions, San Salvador, El Salvador
- 9/2009, 9/2010 **Speaker - Research Assembly;** Life University, Marietta, GA

## CLUBS & ORGANIZATIONS

**Advisor, Neurology Club; Advisor, Gonstead Club; Vice President, Jujutsu Club; Committee Member, Curriculum Planning Committee; Member, Full Spine Club;** Life University, Marietta, GA

## VOLUNTEER WORK

- 2014-Present **Institutional Review Board;** Carrick Institute for Graduate Studies; Cape Canaveral, FL
- 2012-2013 **Service Volunteer;** Safe House Outreach; Atlanta, GA
- 5/2007, 5/2008 **Spinal Screener and Event Planner - Kids Day America;** Life University, Marietta, GA

## **PUBLICATIONS AND PRESENTATIONS**

- Carrick, F. R., Pagnacco, G., Oggero, E., Antonucci, M. M., Esposito, S. E., **Barton, D. A.**, & Duffy, J. L. (2013). The effect of off vertical axis and multiplanar vestibular rotational stimulation on balance stability and limits of stability. *Journal of Functional Neurology and Rehabilitation Ergonomics*, 3(2-3), 341-360.
- Barton, D. A.**, Rosenthal, D. J., & Sahli, C. W. (2012). *A patient presenting with physiologic cerebral and cerebellar lesion responds to a brain-based approach to treatment: A case report*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Carrick, F. R., **Barton, D. A.**, Esposito, S. E., & Lyui, J. L. (2012). *Treatment of complex regional pain syndrome through a functional neurologic approach: A case report*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Carrick, F. R., **Barton, D. A.**, Stephens, D. M., & Shores, J. D. (2012). *Resolution of concussion syndrome using a functional neurological approach: A case study*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Carrick, F. R., **Barton, D. A.**, Stephens, D. M., Shores, J. D., Duffy, J. L., & Esposito, S. E. (2012). *Resolution of mild traumatic brain injury/concussion syndrome using a functional neurological approach: A case study*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Carrick, F. R., **Barton, D. A.**, Stephens, D. M., & Shores, J. D. (2012). *Changes in down beat nystagmus, diplopia, balance and gait following a one week multi-modal brain and vestibular rehabilitative approach: A case study*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Carrick, F. R., **Barton, D. A.**, Duffy, J. L., & Traster, D. J. (2012). *A case study of hemi-dystonia improved through application of a vestibular rehabilitation program in conjunction with brain-based therapies*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Carrick, F. R., **Barton, D. A.**, Stephens, D. M., & Shores, J. D. (2012). *Resolution of concussion syndrome using a functional neurological approach: A case study*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Rosenthal, D. J., **Barton, D. A.**, & Sahli, C. W. (2012). *Improved ambulation in a patient with Parkinson's disease following a brain-based treatment regimen: A case report*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Sahli, C. W., Rosenthal, D. J., & **Barton, D. A.** (2012). *Functional neurologic management of infantile anorexia and speech delay in a female patient: A case study*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Phoenix, AZ.
- Barton, D. A.**, Rosenthal, D. J., & Behrendt, B. R. (2012). *Autonomic modulation from hemispheric designed chiropractic receptor-based manipulative therapies: A case study*. Poster session presented at the Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV.
- Carrick, F. R., Pagnacco, G., Oggero, E., Sullivan, S., **Barton, D. A.**, Esposito, S. E., . . . Melillo, R. (2011). The effects of whole body rotations in the pitch and yaw planes on postural stability. *Journal of Functional Neurology and Rehabilitation Ergonomics*, 1(2), 167-180.

- Mullin, L. E., Alcantara, J., Dever, L., & **Barton, D. A.** (2011). Attitudes and views on chiropractic: A survey of United States midwives. *Complementary Therapies in Clinical Practice*, 17(3), 135-140.
- Vanwinkle, S., Abbatinuzzi, M., & **Barton, D. A.** (2011). *A functional neurological approach to treating a post stroke patient prior to chiropractic treatment: A retrospective case study*. Poster session presented at the International Association of Functional Neurology and Rehabilitation Conference, Orlando, FL.
- Roffers, S. D., Stiles, A. L., Huber, L. L., Morris, D. H., **Barton, D. A.**, & House, T.A. (2011). *Measuring the effects of specific cervical chiropractic adjustments on blood pressure and pulse rate: A randomized controlled trial*. Platform presentation at the World Federation of Chiropractic Congress, Rio de Janeiro, Brazil.
- Roffers, S. D., Huber, L. L., Morris, D. H., Stiles, A. L., **Barton, D. A.**, & House, T.A. (2011). *A randomized controlled trial to measure the effects of specific thoracic chiropractic adjustments on blood pressure and pulse rate*. Platform presentation at the World Federation of Chiropractic Congress, Rio de Janeiro, Brazil.
- Barton, D. A.**, & Mullin, L. E. (2009). *Examiner accuracy of seated motion palpation for the identification of the lowest lumbar freely moveable segment*. Platform presentation at the Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV.