



Dr. Matthew Antonucci

BOARD-CERTIFIED BRAIN INJURY EXPERT

Profile

Dr. Antonucci is a board-certified chiropractic neurologist and a five-specialty board-certified fellow in functional neurology, with nearly 15 years of clinical experience. As a researcher and international lecturer, he specializes in concussions but has also helped transform the health of thousands of patients with complex neurological conditions and performance challenges through tailored brain rehabilitation programs. A highly sought-after speaker, Dr. Antonucci has delivered thousands of hours of education to healthcare providers around the world and has authored several peer-reviewed publications. He is also a devoted husband and proud father of five boys, whom he hopes to inspire to follow in his footsteps.

Employment History

President and Clinician, NeuroSynergy Associates, PA, Rockledge, FL

APRIL 2014 – PRESENT

Orlando, FL

In Active Practice: Successfully treated approximately 4,000 complex neurological conditions from around the world

- Develop clinical care guidelines and algorithms for treating complex neurological conditions
- Develop and implement strategies to efficiently and effectively deliver, and track clinical care and outcomes
- Create and oversee practice marketing
- Manage a team of highly-trained clinicians and therapy assistants

Professor of Neurology, Carrick Institute

JANUARY 2010 – PRESENT

Vice President (2024-Present)

Associate Professor of Clinical Neurology (2013- Present)

Assistant Professor of Clinical Neurology (2010- 2013)

- Develop educational programs that meet the eligibility criteria for the American Chiropractic Neurology Board and the American College of Functional Neurology examinations
- Deliver 1, 2, 6, 8, 15, 25, and 32-hour lectures both domestically and internationally, to healthcare students and professionals
- Approximately 750 hours of lectures developed
- Approximately 4000 lecture hours delivered (as of 12/2024)

Audio-Visual Coordinator (2008-2010)

Registrar (2007- 2009)

Chief Clinical Officer (CCO), Plasticity Management Services, Parker, CO

JANUARY 2021 – OCTOBER 2021

- Focus on current and future service design, implementation, and execution
- Ensure all center's clinicians are properly trained and adhere to strict clinical protocols and standards
- Develop and implement EMR and algorithm to maximize consistent results
- Determine appropriate clinical treatment plans for clients across the entirety of our provided service offerings (cross-functionality)
- Manage all research efforts
- Define and lead our clinical voice of the company (presentations/papers/videos/etc).
- Define the clinical protocol across service lines
- Create training courses (in conjunction with Carrick Institute) to utilize across entire network.

Details

8910 Astronaut Blvd, Suite 102
Cape Canaveral, FL, 32920

United States

1 (321) 450-4477

dra@drantonucci.com

NATIONALITY

Italian and Ukrainian

DATE / PLACE OF BIRTH

October 12th

New Haven, CT

Skills

Translating Research into
Effective Clinical Applications

Patient Management

Clinical Instruction

Public Speaking

Curriculum Development

Process Engineering

Research Methodology

Statistics

Links

Website

LinkedIn

Facebook

Instagram

Twitter

Carrick Institute

Full-sized Headshot

Hobbies

Outdoors, Cycling, Motocross,
Weight Training, Marksmanship,
SCUBA,

Photography/Videography,
Music, Traveling, Cooking

Languages

English

Spanish

French

Co-Founder and Investor, TBIC, Inc (d/b/a "Plasticity Centers"), Orlando, FL

AUGUST 2015 – DECEMBER 2023

- Developed a scale-able, successful clinical model for treating patients with neurological disorders that allowed the successful operation of 3 locations
- Developed a clinical workflow for processing patient scheduling, intakes, paperwork, payments, treatment, discharge, and follow-up care.
- Maintained outstanding clinical outcomes
- Trained clinicians and therapy assistants to deliver treatments
- Reduced new doctor onboarding time from 2 years to 6 months through systematic training and mentorship.
- Reduced new therapist onboarding time from 6 months to 4 weeks by creating and implementing an online training program.
- Consulting with the other founders and board members on the strategic direction of the company

President, Plasticity Brain Centers of Orlando, LLC, Orlando, FL

JULY 2015 – MARCH 2022

- Develop, communicate, and implement the corporation's strategic initiatives and overall direction
- Manage and evaluate the performance of all company employees
- Ensure the company's philosophies and guidelines are understood and carried out
- Oversee all financials
- Develop internal and external opportunities for expansion, patients, markets, and industry development
- Deliver strategic leadership by working with and serving on the Board of Directors
- Patient management and delivering patient care

Co-Founder, TBIC, Inc (d.b.a. "Plasticity Centers"), Dallas, TX

FEBRUARY 2015 – PRESENT

- Provide funding and strategic direction to the growth, systemization, culture, and expansion of the company

Staff Neurologist, Carrick Brain Centers of Atlanta, Marietta, GA

AUGUST 2013 – APRIL 2014

- First staff clinician to be hired
- Managed a team of 2 therapy assistants/ interns
- Managed complex neurological conditions from around the world
- Served as first-assist to Professor Frederick R. Carrick
- Highest volume full-time provider at this facility, managing on average 60 patients per month (approx. 720 total)

Staff Neurologist, LIFE Functional Neurology Center, Marietta, GA

AUGUST 2012 – JUNE 2013

- Developed innovative treatment strategies utilizing the world's first therapeutic Off-Vertical Axis Rotational Device (OVARD)
- Highest volume practitioner in practice
- Managed approximately 850 complex neurological disorders from around the world
- Managed a team of 2 other staff members and various interns
- Served as the first assist to Professor Frederick R. Carrick

Founder and President, NeuroLogic Integrated Health, Inc., Mount Pleasant, SC

DECEMBER 2009 – AUGUST 2012

- **Active Practice:** Successfully managed the care of approximately 650 patients with various neurological, developmental, immune, endocrine, neuropsychiatric, and musculoskeletal conditions
- Directed a clinical team consisting of a psychiatrist, 2 chiropractors, a behavioral therapist, and a chiropractic intern

- Provided oversight to all daily operations, finances, marketing, business development, and community outreach

Operations Assistant, American College of Functional Neurology, Inc, Cape Canaveral, FL

NOVEMBER 2009 – PRESENT

Assist the executives of this 501(c)3 non-profit organization with website development, website management, registry development, standard operating procedures, convention planning, technology management, intellectual property creation, bookkeeping, member recruitment, and other operational activities.

Chiropractic Assistant, Atlas Chiropractic, East Haven, CT

AUGUST 2004 – OCTOBER 2005

- Deliver therapies under supervision
- Assist with examinations
- Assist in the setup and develop radiographs
- Assist with insurance billing
- Assist with patient schedules

Co-Founder, Nightlife Entertainment, Inc, Shelton, CT

FEBRUARY 2002 – JANUARY 2005

- Hosted and promoted entertainment events at various venues
- Directed a team of 11 promotional employees, 5 DJs, 12 bartenders, 20 security personnel
- Hosted over 250 events per year

Co-Founder, Cloud 9 Graphics and Printing, Shelton, CT

JANUARY 2002 – JANUARY 2005

- Performed graphic design work
- Worked with a team of 3 graphic designers
- Contracted with affiliate offset printing firms in New York City
- Silk-Screen printing
- Embroidering

Owner and Operator, We Cut Grass, LLC, North Haven, CT

APRIL 2002 – OCTOBER 2004

- Owned and operated a single-service lawn maintenance business
- Directed 5 employees
- Managed 70 accounts

Certifications

Fellow of the American Board of Brain Injury and Rehabilitation (FABBIR)

JUNE 2015 – PRESENT

Fellow of the American Board of Nutrition and Neurochemistry (FABNN)

JUNE 2013 – PRESENT

Fellow of the International College of Chiropractic (FICC)

OCTOBER 2012 – PRESENT

Fellow of the American Board of Vestibular Rehabilitation (FABVR)

APRIL 2012 – PRESENT

Fellow of the American Board of Childhood Developmental Disorders (FABCDD)

JUNE 2011 – PRESENT

Fellow of the American College of Functional Neurology (FACFN)

FEBRUARY 2009 – PRESENT

CPR and Basic Life Support

JANUARY 2007 – PRESENT

Education

D.C. (Doctorate of Chiropractic), Life University College of Chiropractic, Marietta, GA

JANUARY 2006 – DECEMBER 2009

Earned Doctorate degree in Chiropractic. While enrolled, I attended Pettibon Club, Full Spine Club, Chiropractic Biophysics (CBP) Club [Advanced Certified], Life Neurology Club, Life University's Club for Advanced Neurological Studies (LUCANS). I was inducted to the Presidential Leadership Institute.

B.S. (Biology), Excelsior College, Albany, NY

APRIL 2015 – SEPTEMBER 2015

After graduating and practicing for 6 years, I elected to complete my remaining 2 classes online to confer a Bachelor of Science (B.S.) Degree

Multiple Studies, Central Connecticut State

SEPTEMBER 2002 – JUNE 2005

Full academic scholarship, in their honors program.

- Graphic Design
- Communications
- Biology
- Entrepreneurship
- Pre-Medicine

I left CCSU before obtaining a Bachelor's degree, to pursue my chiropractic education. I later completed my remaining 2 classes to obtain my B.S. degree (2015) from Excelsior College.

High School Diploma, Xavier High School, Middletown, CT

SEPTEMBER 1997 – JUNE 2001

Team Sports

- Baseball (Freshman)
- Sailing (Sophomore-Junior)

Intramural Sports

- Basketball
- Wrestling
- Skiing
- Cross-Country

Clubs

- Debate
- Student Government

Postgraduate Education

Postdoctoral Fellowship, Life University, Atlanta, GA

JANUARY 2012 – APRIL 2014

For 2 years, I served as a fellow under the auspice of Professor Frederick R. Carrick, focusing on rehabilitation strategies with multiple subsets of patients, including traumatic brain injuries, movement disorders, balance disorders, learning, and developmental disorders, acquired brain injuries, neurodegenerative conditions, and athletic performance enhancement.

Postgraduate Training, Apex Energetics

JANUARY 2008 – JANUARY 2010

Completed all offered courses, multiple times, on patient diagnosis, supplementation and treatment of nutritionally based diseases.

- Functional blood chemistry analysis
- Functional endocrinology
- Thyroid disorders
- Neurotransmitter supplementation

- Immunology.

Postgraduate Training, Life University

JANUARY 2006 – DECEMBER 2009

Completed training in:

- Spinal Trauma (120 hours)
- Applied Kinesiology (25 hours)
- Chiropractic Biophysics (45 hours)
- Pettibon Technique (30 hours)

Postdoctoral Training, Carrick Institute

MAY 2006 – PRESENT

Postgraduate studies in:

- Functional Neurology
- Neurodevelopmental Disorders
- Functional Medicine
- Vestibular Disorders
- Movement Disorders
- Brain Injury Rehabilitation
- Electrodiagnostics
- Neurovisual Therapy
- Neuropsychological Disorders
- Performance Enhancement

(A transcript is available upon request)

Professional Licenses

Chiropractic, Minnesota

JULY 2022 – PRESENT

License Number: 7006

Status: Active

Chiropractic, Florida

OCTOBER 2015 – PRESENT

License Number: CH 11693

Status: Active

Chiropractic, Colorado

JANUARY 2019 – PRESENT

License Number: CHR.0008179

Status: Active

Chiropractic, Utah

JANUARY 2015 – PRESENT

License Number: 9410826-1202

Status: Active

Chiropractic, Georgia

AUGUST 2013 – DECEMBER 2015

License Number: CHIR009016

Status: Inactive

Chiropractic, South Carolina

JANUARY 2010 – DECEMBER 2013

License Number: SC3613

Status: Inactive

National Provider Identifier

JANUARY 2010

NPI# 1851696165

Memberships/Affiliations

American College of Rehabilitation Medicine, Reston, VA

FEBRUARY 2025

The American Congress of Rehabilitation Medicine (ACRM) is a leading professional organization dedicated to improving rehabilitation outcomes through research, education, and collaboration. ACRM connects researchers, clinicians, and policymakers to advance evidence-based practices in brain injury, spinal cord injury, stroke, neurodegenerative diseases, and other rehabilitation-related fields.

American College of Sports Medicine, Indianapolis, IL

SEPTEMBER 2022

Representing 70 sports medicine professions, and with more than 50,000 members and certified professionals from 90 countries, the American College of Sports Medicine (ACSM) helps people worldwide live longer, healthier lives by advancing and integrating scientific research to provide educational and practical applications of exercise science and sports medicine.

Vagus Nerve Society (Charter Member), Global

APRIL 2022 – PRESENT

The VNS is a cross-discipline, cross-specialty, cross-cultural, and international society to explore the involvement of the vagus nerve in health and disease. It is intended to be a platform for scientists and clinicians alike to compare notes and advance the care of patients who may have dysfunction of the vagus nerve.

University of Central Florida College of Medicine Dean's Society, Orlando, FL

APRIL 2018 – PRESENT

The Dean's Society is a select group of scientists, physicians, and community leaders discussing the College's initiatives in medical education, biomedical research, and patient care.

National Neurotrauma Society, Vancouver, BC

MARCH 2018 – PRESENT

The National Neurotrauma Society is committed to the promotion of neurotrauma research by enhancing communications, providing a forum, and increasing support on the national and international level.

The NNS seeks to accelerate research that will provide answers for clinicians and ultimately improve the treatments available to patients.

International Brain Injury Association, Alexandria, VA

MARCH 2017 – PRESENT

American Academy of Neurology, Minneapolis, MN

JULY 2020 – PRESENT

Founded in 1948, the AAN now represents more than 38,000 members and is dedicated to promoting the highest quality patient-centered care and enhancing member career satisfaction in neurology.

American Chiropractic Association, Arlington, VA

JANUARY 2008 – PRESENT

The American Chiropractic Association The American Chiropractic Association (ACA) is the largest professional chiropractic organization in the United States. We are leading our profession by working hand in hand with other health care professionals, by lobbying for pro-chiropractic legislation and policies, by supporting meaningful research, and by using that research to inform our treatment practices.

Florida Chiropractic Association, Oakland, FL

OCTOBER 2015 – PRESENT

Founded in 1931, the FCA has grown to become the largest state chiropractic association, with a mission to motivate pivotal legislative victories, fight the

consuming legal struggles, celebrate personal achievements, and fulfill the dreams of chiropractors in the state of Florida.

Appointments

ACRM Interdisciplinary Special Interest Group (mTBI)

FEBRUARY 2025

Adjunct Clinical Faculty, Orlando College of Osteopathic Medicine (OCOM)

JANUARY 2025

Honorary Clinical Instructor - Walden University College of Nursing

SEPTEMBER 2023 – MARCH 2024

Contribute to students' learning process through the onsite supervision and mentoring as a part of their field experiences for their Doctorate of Nursing Practice degree program,

Focus: Neurology and Psychiatry

Advisory Board, Carrick Institute

JANUARY 2021 – PRESENT

Provide insight, guidance, and assistance to the organization on the creation, fulfillment, and refinement on their higher education offerings in the field of neurology.

Adjunct Clinical Faculty, Life University College of Chiropractic

APRIL 2018 – PRESENT

Specialties Task Force Member, Federation of Chiropractic Licensing Board

OCTOBER 2017 – JANUARY 2021

Editorial Contributor, Elsevier: Clinical Biomechanics

OCTOBER 2017 – JANUARY 2021

Analyze and review manuscripts being submitted for publication

Board Member, American Board of Chiropractic Specialties (ABCS)

MAY 2017 – MAY 2022

This 5-year appointment allowed me to aid in the establishment of the highest accreditation standards across all chiropractic diplomate programs. I was instrumental in guiding the American Chiropractic Association's board of governors and staff in understanding where each diplomate board stood in meeting the standards. I was able to profoundly influence and assist diplomate boards to strive to achieve standards adopted by the American Chiropractic Association.

- Assist ACA-recognized specialty councils and specialty certification-boards
- Promote quality and efficiency in the process of evaluating and certifying doctors of chiropractic
- Coordinate and collaborate with the leadership of ACA specialty councils and specialty certification boards
- Ensure high-quality and properly accredited continuing education and professional development programming

Adjunct Clinical Faculty, Palmer Chiropractic College

JANUARY 2017 – PRESENT

Provide a supportive environment to enhance student learning and skills acquisition/development, in a setting that is based on a successful, high-quality practice

Executive Board Member, American Board of Brain Injury and Rehabilitation

AUGUST 2016 – PRESENT

President (2016/08 - Present)

Vice President (2016/03- 2016/08)

- Establish fellowship criteria

- Establish a code of conduct
- Perform job analysis
- Oversee board examination creation and validation
- Oversee board examination administration
- Chair board meetings

Board Member, Carrick Institute Institutional Review Board (IRB)

JANUARY 2015 – PRESENT

- Apply research ethics by reviewing the methods proposed for research to ensure that they are ethical
- Approve (or reject), monitor, and review biomedical and behavioral research involving humans
- Conduct risk-benefit analysis in an attempt to determine whether or not research should be completed
- Assure that appropriate steps are taken to protect the rights and welfare of humans participating as subjects in a research study

Vice-President, ACA Council on Neurology

JANUARY 2015 – JANUARY 2020

- Recruit membership
- Serve the council in a leadership role
- Oversee council finances
- Attend council-affiliated events
- Create and enforce council rules and regulations

Editorial Contributor, Frontiers: Public Health, Neurology

APRIL 2014 – PRESENT

Planning Committee Member, International Association of Functional Neurology and Rehabilitation

JANUARY 2010 – MARCH 2014

- Aided in marketing
- Recruited attendees as well as vendors
- Captured A/V of the conventions
- Created the logo for the association
- Designed the cover for the association's research journal

Board Member (Alternative Care Consultant), Nathan's Friends

MARCH 2010 – JUNE 2014

- Present and educate the board and the members on current alternative therapies for managing Autism and its comorbidities
- Determined what therapies our group will publicly endorse

Student Delegate, American Chiropractic Association

2008 – 2009

Leadership Roles, Life Functional Neurology Club

JANUARY 2006 – JUNE 2009

Neurology Club Vice-President

Advanced Club President and Founder

- Primary lecture leader for 2.5 years in both clubs
- Generated lecture topics, multimedia presentations, and assured that the information that was being presented was accurate, clinically relevant, and simplified manner
- Created and maintained the Neurology Club website as a reference source for both students and practitioners
- Created and administered the qualification examination for admission to the Advanced Neurology Club
- Accomplishment: Increased Neurology Club attendance 1550% (6 attendees to 93 attendees) in 2 years

Supplemental Instructor, Life University College of Chiropractic

JANUARY 2006 – JANUARY 2007

- Assist with cadaver dissection and pro-section
- Review and instruct fellow students on the identification and physiology of Gross Human Anatomy in the cadaver laboratory
- 10 hours/ week

Lectures/ Courses

A Functional Neurological Approach to Stroke Rehabilitation Workshop (1-hr)

- 2017.07: Osceola Regional Medical Center: Stroke Support Group; Kissimmee, FL
- 2017.04: Plasticity Brain Centers: NeuroSynergy Public Workshop; Orlando, FL

Applying Neuroscience in Clinical Practice Plenary Presentation and Workshop (15-min/ 8-hrs)

- 2015.05: European Chiropractic Union/ World Federation Of Chiropractic (Plenary Presentation); Athens, Greece
- 2015.05: European Chiropractic Union/ World Federation Of Chiropractic (8-hour Workshop); Athens, Greece

Assessing the Human Nervous System Workshop (2-hr)

- 2016.10: World Federation of Chiropractic/ Canadian Chiropractic Association; Montreal, Canada

Assessment and Treatment of Parkinson's Disease Workshop (1-hr)

- 2017.03: British Chiropractic Association; London, UK
- 2016.01: Plasticity Brain Centers: NeuroSynergy Public Workshop; Orlando, FL

Assessment of Primitive/Retained Reflexes Workshop (1-hr)

- 2016.12: Plasticity Brain Centers: NeuroSynergy Public Workshop; Orlando, FL
- 2016.10: World Federation of Chiropractic/ Canadian Chiropractic Association; Montreal, Canada

Brain-Based Manipulation 1 (Adjusting Technique)

- 2022.06: Carrick Institute, Oslo, Norway

Carrick Institute's Concussion Bootcamp (8--hrs)

- 2022.09: 37th World Congress of Sports Medicine (FIMS); Guadalajara, Mexico

Cerebellar Function and Pathology Course (15-hrs)

- 2015.02: Carrick Institute for Graduate Studies; Montreal, Canada
- 2014.12: Carrick Institute for Graduate Studies; Orlando, FL
- 2014.11: Carrick Institute for Graduate Studies; Los Angeles, CA
- 2013.12: Carrick Institute for Graduate Studies; Atlanta, GA

Certification Standards in Chiropractic Specialties Keynote Presentation (30-min)

- 2017.05: Federation of Chiropractic Licensing Boards; Orlando, FL

Chiropractic Management of Rest-Resistant Concussion Workshop/Plenary (1-hr and 2-hr)

- 2023.10.06: Ohio Chiropractic Association, Columbus, OH
- 2020.12: The 3rd National Congress of Sports Medicine FEMMEDE 2020 (Mexican Federation of Sports Medicine): León Guanajuato, MX
- 2017.03: FICS (International Federation of Sports Chiropractic); Washington DC, USA
- 2017.02: Central Florida Case Managers Association; Winter Park, FL
- 2016.11: Plasticity Brain Centers: NeuroSynergy Workshop; Orlando, FL
- 2016.06: Florida Chiropractic Association: SE Convention; Miami, FL

- 2016.05: European Chiropractic Union; Oslo, Norway
- 2016.04: Florida Chiropractic Association: NE Convention; Jacksonville, FL
- 2016.02: Florida Chiropractic Association: NW Convention; Panama City Beach, FL
- 2015.12: Florida Chiropractic Association: SW Convention; Naples, FL
- 2015.10: Canadian Chiropractic Association: Annual Convention; Niagara Falls, ON
- 2015.08: Florida Chiropractic Association: The National; Orlando, FL
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Chiropractic Participation in Olympic Sports Panel Discussion

- 2020.12: The III National Congress of Sports Medicine FEMMEDE 2020 (Mexican Federation of Sports Medicine): León Guanajuato, MX

Clinical Applications of Joint Manipulation Course (8-hr/15-hr)

- 2017.06: Carrick Institute (co-taught with Professor Frederick R. Carrick); Atlanta, GA
- 2015.05: Carrick Institute (co-taught with Professor Adam Klotzek): Newark, NJ

Clinical Applications of Neurology for the Cervical Spine Workshop (1-hr)

- 2017.05: American Chiropractic Association; Tele-conference

Clinical Applications of the Superior Colliculus: Visual, Cognitive, Motor and Spatial Rehab, (30-min)

- 2024.03: Society of Brain Mapping and Therapeutics; Los Angeles, CA

Clinical Neuroscience for Practicing Chiropractors Course (8-hr)

- 2016.05: World Federation Of Chiropractic/ Eastern Mediterranean Middle East Chiropractic Federation; Dubai, UAE
- 2016.05: The Chiropractic Association (Singapore); Singapore, Malaysia

Concussion Bootcamp (4-hr, 8-hr, 25-hr)

- 2022.09.22 Pre-Congress Workshop @ FIMS (International Federation of Sports Medicine), Guadalajara, Mexico
- 2023.04.30: Carrick Institute, Cape Canaveral, FL
- 2023.06.10: Arizona Chiropractic Association, Chandler, AZ
- 2023.07.29: Carrick Institute, Minneapolis, MN
- 2023.08.05: Carrick Institute, EXOS Performance, Scottsdale, AZ
- 2023.08.19: Florida Chiropractic Association's National Event, Orlando, FL
- 2023.10.11: Pre-Congress Workshop @ World Federation of Chiropractic, Gold Coast, Australia
- 2024.01.20: Carrick Insitute, Columbus, OH
- 2024.05.18: Carrick Institute, Cape Canaveral, FL
- 2024.12.07: Carrick Institute, Denver, CO

Concussion Baseline Testing Course (1-hr/4-hr/8-hr)

- 2021.08: Florida Chiropractic Association: The National; Orlando, FL
- 2021.07: Florida High School Athletic Association, Sports Medicine Advisory Council (FHSAA-SMAC); Online

Concussions in Hockey Podcast Interview

- 2015.11: Hockey Talk Podcast; Online

Correlates of Ocular Cyclodeviation, Vestibular Aberrancy, and Altered Spatial Awareness

2022.05: The 19th Congress of the Society of Brain Mapping and Therapeutics: Optometry Session

Cranial Nerves: Assessment and Function Course (15-hr)

- 2014.04: Carrick Institute for Graduate Studies; Atlanta, GA

Creating the Perfect Concussion Baseline (1-hr/8-hr/3-day)

- 2022.07: Pennsylvania Chiropractic Association; Online (1 hr)

Dangers of Excessive Screen Time in Children Keynote (20-min)

- 2021.08: Florida Chiropractic Association: The National (Medical Errors); Orlando, FL

Documenting Neurological Integrity Course (2-hr)

- 2020.11: Florida Chiropractic Association: The National; Orlando, FL (Documentation Course for Licensure)

Expanding Your Practice With Florida Rules and Regulations Plenary Panel (15-min)

- 2018.03: Florida Chiropractic Association: Last Minute CE; Orlando, FL
- 2017.12: Florida Chiropractic Association: SW Convention; Fort Myers, FL
- 2017.02: Florida Chiropractic Association: NW Convention; Panama City, FL
- 2016.08: Florida Chiropractic Association: THE NATIONAL; Orlando, FL
- 2016.11: Florida Chiropractic Association: SW Convention; Naples, FL
- 2016.06: Florida Chiropractic Association: SE Convention; Miami, FL
- 2016.04: Florida Chiropractic Association: NE Convention; Jacksonville, FL
- 2016.02: Florida Chiropractic Association: NW Convention; Panama City Beach, FL
- 2015.12: Florida Chiropractic Association: SW Convention; Naples, FL

Functional Neurology Essentials (15 hours)

2024.09: Carrick Institute; Amsterdam, Netherlands

Functional Neurology Management of Concussion (Level 1) (75 hours)

2022.10: Carrick Institute (25-hr Hands-On Training); Amsterdam, Netherlands

2022.11: Carrick Institute (25-hr Hands-On Training); Cape Canaveral, Florida

2023.09: Carrick Institute (25-hr Hands-On Training); Calgary, Alberta, Canada

2023.11: Carrick Institute (25-hr Hands-On Training); Cape Canaveral, Florida

2024.02: Carrick Institute (25-hr Hands-On Training); Colorado Springs, CO

2024.05: Carrick Institute (25-hr Hands-On Training); Cape Canaveral, Florida

2024.09: Carrick Institute (25-hr Hands-On Training); Cape Canaveral, Florida

Functional Neurology Management of Concussion (Level 2) (275 hours)

2023.07: Chapter 2.1: Carrick Institute, Cape Canaveral, FL [Recorded]

2023.09: Chapter 2.2: Carrick Institute, Cape Canaveral, FL [Recorded]

2023.12: Chapter 2.3: Carrick Institute, Cape Canaveral, FL [Recorded]

2024.02: Chapter 2.4a: Carrick Institute, Cape Canaveral, FL [Recorded]

2024.04: Chapter 2.4b: Carrick Institute, Cape Canaveral, FL [Recorded]

2024.06: Chapter 2.6a: Carrick Institute, Cape Canaveral, FL [Recorded]

2024.08 Chapter 2.7: Carrick Institute, Minnetonka, MN [Live]

Grand Rounds Case Review Course (2-hr)

- 2018.02: Carrick Institute Case Review 14; Cape Canaveral, FL
- 2018.01: Carrick Institute Case Review 13; Cape Canaveral, FL
- 2017.11: Carrick Institute Case Review 12; Cape Canaveral, FL
- 2017.10: Carrick Institute Case Review 11; Cape Canaveral, FL
- 2017.09: Carrick Institute Case Review 10; Cape Canaveral, FL
- 2017.08: Carrick Institute Case Review 9; Cape Canaveral, FL
- 2017.07: Carrick Institute Case Review 8; Cape Canaveral, FL
- 2017.05: Carrick Institute Case Review 7; Cape Canaveral, FL
- 2017.04: Carrick Institute Case Review 6: Patient Struck By Lightning; Cape Canaveral, FL

- 2017.03: Carrick Institute Case Review 5: Post Concussion Syndrome; Cape Canaveral, FL
- 2017.02: Carrick Institute Case Review 4: Ataxia; Cape Canaveral, FL
- 2017.02: Florida Chiropractic Association: NW Convention Grand Rounds; Panama City, FL
- 2017.01: Carrick Institute Case Review 3: Traumatic Brain Injury; Cape Canaveral, FL
- 2016.12: Carrick Institute Case Review 2: Central Maintained Vestibular Syndrome; Cape Canaveral, FL
- 2016.11: Carrick Institute Case Review 1: Central Vascular Claudication Syndrome; Cape Canaveral, FL
- 2016.11: Florida Chiropractic Association: SW Convention; Naples, FL
- 2016.05: European Chiropractic Union Grand Rounds: Patient Case; Oslo, Norway

Grand Rounds Patient Examinations Clinical (5 Days)

- 2016.04: 21 Patients; Geneva, Switzerland
- 2015.09: 39 Patients; Fribourg, Switzerland

Headache and Migraine Solutions Course (2-hr)

- 2017.03: North Carolina Board of Examiners Sponsored CE; Asheville, NC
- 2016.03: Plasticity Brain Centers: NeuroSynergy Workshop; Orlando, FL

Heads-Up on Concussion: 6 Concussion Subtypes Workshop (90 min)

- 2019.03: World Federation of Chiropractic and European Chiropractic Union Convention; Berlin, Germany

Human Performance Optimization: A Primer Course (2 hr)

2016.01: The Parker Experience 2016: Las Vegas, NV

2014.10: International Symposium on Clinical Neuroscience (ISCN2014): Orlando, FL

Identification and Management of Sports Related Concussion Plenary (1 hr)

- 2020.12: The III National Congress of Sports Medicine FEMMEDE 2020 (Mexican Federation of Sports Medicine): León Guanajuato, MX
- 2021.03: The Second Annual Society for NeuroSports Convention: Deerfield Beach, FL

Implementing Cognitive Assessment in a Neurological Practice (1 hr)

- 2018.05: International Symposium on Clinical Neuroscience; Orlando, FL

Integrative Approach to Concussion Played on the Field of Life (2-hr Expert Panel)

- 2022.05: Florida Chiropractic Association NE Regional; St. Augustine, FL
- 2022.06: Florida Chiropractic Association SE Regional; Boca Raton, FL
- 2022.08 Florida Chiropractic Association National; Orlando, FL
- 2023.02: Florida Chiropractic Association NE Regional; Panama City Beach, FL

Interactive Metronome Certification Course Course (15-hour)

- 2015.10: Carrick Institute for Graduate Studies: London, UK

Integrating Chiropractic Into Mainstream Medicine Panelist (15 min)

- 2018.12: Florida Chiropractic Association: SW Convention; Naples, FL
- 2018.03: Florida Chiropractic Association: Last Minute CE; Orlando, FL
- 2017.12: Florida Chiropractic Association: SW Convention; Fort Myers, FL
- 2017.08: Florida Chiropractic Association: National Convention; Orlando, FL

Introduction to Functional Neurology Course (30-min/8-hr)

- 2020.09: World Federation of Chiropractic; ONLINE
- 2015.05: European Chiropractic Union/ World Federation Of Chiropractic; Athens, Greece

Introduction to Movement Disorders Course (15-hr)

- 2015.01: Carrick Institute for Graduate Studies; Harrisburg, PA
- 2014.07: Carrick Institute for Graduate Studies; Atlanta, GA
- 2013.04: Carrick Institute for Graduate Studies; San Francisco, CA

Introduction to ReceptorBased Essentials Workshop/Course (90-min/3-hr/6-hr/8-hr)

- 2021.08: Florida Chiropractic Association: National Convention; Orlando, FL
- 2021.04: University of Western States: Neurology Club; Portland, OR (Virtual)
- 2020.03: Florida Chiropractic Association: Last Minute CE; Orlando, FL
- 2020.01: CalChiro Convention; Palm Springs, CA
- 2020.01: Northwestern Health Science University: Neurology Club; Minneapolis, MN
- 2019.06: Florida Chiropractic Association: SE Convention; Miami, FL
- 2019.05: Oslo Chiropractic Symposium 2019; Oslo, Norway
- 2019.05: Association of New Jersey Chiropractors 2019 Summit; New Brunswick, NJ
- 2018.12: Florida Chiropractic Association: SW Convention; Naples, FL
- 2018.09: University of Central Florida: Multi-Discipline Neuroscience Alliance Club; Orlando, FL
- 2018.08: Florida Chiropractic Association: National Convention; Orlando, FL
- 2018.06: Florida Chiropractic Association: SE Convention; Boca Raton, FL
- 2018.06: Carrick Institute: Neurology at Sea; Oasis of the Seas (Royal Caribbean)
- 2018.04: Canadian Chiropractic Association; Calgary, Canada
- 2018.04: Florida Chiropractic Association: NE Convention; Jacksonville, FL
- 2018.03: Florida Chiropractic Association: Last Minute CE; Orlando, FL
- 2017.12: Florida Chiropractic Association: SW Convention; Fort Myers, FL
- 2017.09: Florida Chiropractic Association: SE Convention; Miami, FL
- 2017.08: Florida Chiropractic Association: National Convention; Orlando, FL
- 2017.08: Palmer Chiropractic/Functional Neurology Club, Port Orange, FL
- 2017.04: Carrick Institute; Oslo, Norway
- 2017.03: Florida Chiropractic Association: NE Convention; Jacksonville, FL
- 2017.03: World Federation of Chiropractic/ American Chiropractic Association: Washington DC
- 2017.02: Florida Chiropractic Association: NW Convention; Panama City, FL
- 2016.11: Florida Chiropractic Association: SW Convention; Naples, FL
- 2016.10: Florida Chiropractic Association: THE NATIONAL; Orlando, FL
- 2016.10: World Federation of Chiropractic/ Canadian Chiropractic Association; Montreal, Canada

Introduction to Vestibular Rehabilitation Workshop (2-hr)

- 2017.10: ACASC (ACA Sports Council); Denver, CO
- 2017.03: British Chiropractic Association: 2017 Annual Convention; London, UK
- 2016.06: Florida Chiropractic Association: SE Convention; Miami, FL
- 2016.02: Florida Chiropractic Association: NW Convention; Panama City Beach, FL
- 2015.12: Florida Chiropractic Association: SW Convention; Naples, FL
- 2015.08: Florida Chiropractic Association: The National; Orlando, FL

Lifting the Lid: Expanding the Chiropractor's Toolbox Plenary (1 hr)

- 2017.03: British Chiropractic Association: Annual Convention; London, UK

Lobes of the Brain Course (15-hr)

- 2015.01: Carrick Institute for Graduate Studies; Orlando, FL
- 2014.04: Carrick Institute for Graduate Studies; Minneapolis, MN
- 2014.03: Carrick Institute for Graduate Studies; Atlanta, GA

Managing Concussions in the Elite Athlete (Panel Discussion)

2023.07.14: American Society for Pain and Neuroscience (ASPN)

Neurokinematics of Joint Manipulation Workshop (2-hr/6-hr)

2024.06: 1st International Multidisciplinary Sports Medicine Summit; Monterrey, Mexico

2024.08: Florida Chiropractic Association National Convention; Orlando, FL

Neurological Applications of Sensory Entrainment Course (15-hr)

- 2015.08: Carrick Institute for Graduate Studies; London, UK

Neurological Diagnosis Course (15-hr)

- 2014.06: Carrick Institute for Graduate Studies; Atlanta, GA
- 2013.09: Carrick Institute for Graduate Studies; Portland, OR

Neurological Examination Course (15-hr)

2015.02: Carrick Institute for Graduate Studies; Orlando, FL

2013.07: Carrick Institute for Graduate Studies; San Francisco, CA

Neurology of Joint Manipulation Course (1-hr/2-hr)

- 2021.09: Connecticut Chiropractic Council's 2021 Xtravaganza: Ledyard, CT
- 2017.07: World Congress of Chiropractic Students (WCCS): San Francisco, CA

Neurology Board Review Course (25-hr)

- 2018.08: Carrick Institute for Graduate Studies; Cape Canaveral, FL
- 2017.08: Carrick Institute for Graduate Studies; Cape Canaveral, FL
- 2016.07: Carrick Institute for Graduate Studies; Cape Canaveral, FL

Neuron Theory and ReceptorBased Applications Course (15-hr)

- 2016.03: Carrick Institute for Graduate Studies; ONLINE
- 2015.06: Carrick Institute for Graduate Studies; Newark, NJ
- 2014.11: Carrick Institute for Graduate Studies; Orlando, FL
- 2014.10: Carrick Institute for Graduate Studies; Montreal, Ontario
- 2014.08: Carrick Institute for Graduate Studies; Los Angeles, CA
- 2013.10: Carrick Institute for Graduate Studies; Atlanta, GA

NeuroPerformance Bootcamp (15-hr)

- 2022.01: Winter in the Desert, California Chiropractic Association; Palm Desert, CA
- 2022.04: (Private Course) Seattle Seahawks; Renton, WA

New Technologies in Assessment and Management of Rest-Resistant Concussion Plenary Presentation (1-hr)

- 2016.04: Allegheny Health Network & Trinity Sports Medicine Annual Conference; Franklin, PA

Philosophical Perspectives of Chiropractic: The Neurologist Plenary Presentation (15-min)

- 2017.03: World Federation of Chiropractic/ American Chiropractic Association Conference; Washington DC

Physical Examination Course (15-hour)

- 2013.01: Carrick Institute for Graduate Studies; Los Angeles, CA

The Plasticity Approach to Non-Neurotypical Children Workshop (2-hour)

- 2019.10: University of Central Florida- APPA Club; Orlando, FL

RBE1: Foundational Concepts in Clinical Neuroscience Course (15-hour/25-hour)

- 2019.10: Carrick Institute for Graduate Studies, Cape Canaveral, FL
- 2019.09: Carrick Institute for Graduate Studies, Oslo, Norway
- 2019.04: Carrick Institute for Graduate Studies, Toronto, ON, Canada
- 2019.02: Carrick Institute for Graduate Studies, Chicago, IL
- 2019.02: Carrick Institute for Graduate Studies, Vancouver, BC, Canada
- 2018.11: Carrick Institute for Graduate Studies, Amsterdam, Netherlands
- 2018.09: Carrick Institute for Graduate Studies, Cape Canaveral, FL

RBE2: Harnessing Receptor Systems Course (15-hour/25-hour)

- 2019.11: Carrick Institute for Graduate Studies, Oslo, Norway
- 2019.11: Carrick Institute for Graduate Studies, San Francisco, CA
- 2019.06: Carrick Institute for Graduate Studies, Toronto, ON, Canada
- 2019.01: Carrick Institute for Graduate Studies, Amsterdam, Netherlands
- 2018.11: Carrick Institute for Graduate Studies, Cape Canaveral, FL

RBE3: Autonomics: Fuel, Flow, Function Course (15-hour)

- 2020.02: Carrick Institute for Graduate Studies, Orlando, FL
- 2019.03: Carrick Institute for Graduate Studies, Amsterdam, Netherlands
- 2018.12: Carrick Institute for Graduate Studies, Cape Canaveral, FL

RBE4: Reflex, Motor, and Cognition Course (15-hour)

2020.01: Carrick Institute for Graduate Studies, Oslo, Norway

2019.01: Carrick Institute for Graduate Studies, Cape Canaveral, FL

RBE5: RBE In Action

- 2020.01: Carrick Institute for Graduate Studies, Oslo, Norway
- 2019.03: Carrick Institute for Graduate Studies, Cape Canaveral, FL

ReceptorBased Essentials (32-hours)

2022.04: The Carrick Institute; Cape Canaveral, FL- LIVE and RECORDED

Reducing Medical Errors: Chiropractic's Role in the Opioid Epidemic Panel (15 min)

- 2018.08: 73rd WCI Educational Conference - Chiropractic Panel; Orlando, FL
- 2018.08: Florida Chiropractic Association: National Convention; Orlando, FL
- 2017.08: Florida Chiropractic Association: National Convention; Orlando, FL
- 2017.06: Florida Chiropractic Association: SE Convention; Miami, FL
- 2017.03: Florida Chiropractic Association: NE Convention; Jacksonville, FL

Reducing Medical Errors: Fall Prevention Panel (15 min)

- 2020.11: Florida Chiropractic Association: National Convention; Orlando, FL

Shining Light on TBI: Transcranial Photobiomodulation (40-min/ 90-min)

- 2019.03: World Federation of Chiropractic and European Chiropractic Union Convention; Berlin, Germany
- 2019.03: University of Central Florida- APPA Club; Orlando, FL
- 2018.05: International Symposium for Clinical Neuroscience; Orlando, FL
- 2022.05: Florida Chiropractic Association NE Regional; St. Augustine, FL
- 2022.06: Florida Chiropractic Association SE Regional; Boca Raton, FL
- 2022.08 Florida Chiropractic Association National; Orlando, FL

Sports Performance Enhancement after Concussion Plenary Presentation (40-min)

- 2015.12: International Symposium on Clinical Neuroscience (ISCN2015); Orlando, FL

The Brain's Role in Spinal Integrity Workshop (2-hr)

- 2017.12: Florida Chiropractic Association: SW Convention; Fort Myers, FL
- 2017.08: Florida Chiropractic Association: National Convention; Orlando, FL

The Care Continuum for TBI Patients Presentation (1-hr)

- 2017.05: Orlando Case Manager Association; Winter Park, FL

The Current State of Chiropractic Research: Neurology Teleconference (1-hr)

- 2017.10: SACA Specialties Council Meeting

The G-Factor of Intelligence Plenary (1 hr)

- 2017.02: International Symposium on Clinical Neuroscience (ISCN2015); Orlando, FL

The Neurology of Decision Making (Ethics) (15-min)

- 2018.03: Florida Chiropractic Association: Last Minute CE; Orlando, FL

The Neurophysiology of Alcohol Intoxication Workshop (4-hr)

- 2014.07: CraniumRock 2014; Punta Cana, DR

The Pervasive Effects of Vestibular Dysfunction (1-hr)

- 2022.09: 37th World Congress of Sports Medicine (FIMS); Guadalajara, Mexico

The Third Dimension of Vestibular Rehabilitation: Roll Lecture (1-Hr)

- 2021.08: University of Central Florida (BME6935 - Biomedical Engineering Master's Course); Orlando, FL
- 2020.11: Synapse Sessions 2020 by The Carrick Institute; ONLINE

Tools, Technology, and Therapies for Brain Rehabilitation Workshop (1-hr)

- 2017.01: Brain Injury Association of America (Florida Chapter); Orlando, FL

Unpacking the Altered Sense of Self Caused by a Concussion (1-hr)

- 2022.11: The Neuroplasticity Alliance: Therapy Innovation Summit 2022; ONLINE

Vestibular Rehabilitation in Sports Pathology and Performance

2024.06: 1st International Multidisciplinary Sports Medicine Summit, Monterrey, Mexico

Publications

Cross-Sectional Retrospective Data Analysis, Brain Sciences

2024

Carrick, F. R., Hunfalvay, M., Bolte, T., Azzolino, S. F., Abdulrahman, M., Hankir, A., Antonucci, M. M., & Al-Rumaihi, N. (2024). Age- and sex-based developmental biomarkers in eye movements. *Brain Sciences*, 14(12), 1288. <https://doi.org/10.3390/brainsci14121288>

Retrospective Chart Review (Principal Investigator), Neurotrauma Reports

2023

Ross, E.A.; Hines, R.B.; Hoffmann, M.; Jay, K.; Antonucci, M.M. Multi-Modal Neurorehabilitation for Persisting Post-Concussion Symptoms. *Neurotrauma Rep.* 2023,4, 297–306

Retrospective Chart Review (Abstract), Neurology

2021

Antonucci, M. M., & Jay, K. (2021). Symptom amelioration in 798 patients with complex neurological disorders following a 5-day intensive multimodal neurorehabilitation program: Chart review (5240). *Neurology*, 96(15_supplement). https://doi.org/10.1212/WNL.96.15_supplement.5240

Retrospective Chart Review, *Frontiers in Neurology*

2017

Carrick FR, Clark JF, Pagnacco G, Antonucci MM, Hankir A, Zaman R and Oggero E (2017) Head–Eye Vestibular Motion Therapy Affects the Mental and Physical Health of Severe Chronic Post-Concussion Patients. *Front. Neurol.* 8:414. doi: 10.3389/fneur.2017.00414 URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5572417/>

Retrospective Chart Review, *Frontiers in Neurology*

2017

Carrick, F. R., Clark, J. F., Pagnacco, G., Antonucci, M. M., Hankir, A., Zaman, R., & Oggero, E. (2017). Head–Eye Vestibular Motion Therapy Affects the Mental and Physical Health of Severe Chronic Postconcussion Patients. *Frontiers in Neurology*, 8, Article 414. <https://doi.org/10.3389/fneur.2017.0041>

Randomized Controlled Trial, *Journal of Functional Neurology, Rehabilitation, and Ergonomics*

2013

Carrick FR, Pagnacco G, Oggero E, Esposito S, Duffy J, Antonucci MM, Barton D, Shores J, Stephens DM (2013) The effects of Off Vertical Axis and Multiplanar Vestibular Rotational Stimulation on Balance Stability and Limits of Stability. *Functional Neurology, Rehabilitation, and Ergonomics*; 3:2. 341-360.

Case Series Abstract, *Neurology*

2020

Kenneth Jay, Antonucci MM (2020). Symptom amelioration in 798 patients with complex neurological disorders following a 5-day intensive multimodal neurorehabilitation program: Chart review. *American Academy of Neurology 2021; Annual Meeting conference abstract: Submitted Oct 2020. DOI: Not assigned.*

Case Series Abstract, *Neurology*

2020

Kenneth Jay, Barton D, Antonucci MM (2020). Relationship between a single quality-of-life question score and Graded Symptom Checklist score in 350 people with a diagnosed concussion: A chart review study. *Neurology Nov 2020, 95 (20 Supplement 1) S8-S9; DOI: 10.1212/01.wnl.0000719944.25457.d8*

Case Study Abstract, *Neurology*

2020

Kalambaheti E, Cozart M, Kornfeld S, Antonucci MM (2020). Improvements in Cognition and Balance Following Neurological Rehabilitation for a 23-year-old Male with Post Concussive Syndrome and Subsequent Minor Head Traumas. *Neurology Nov 2020, 95 (20 Supplement 1) S9; DOI: 10.1212/01.wnl.0000719948.11126.83*

Case Study Abstract, *Neurology*

2020

Forrester B, Kalambaheti E, Cozart M, Antonucci MM (2020). Improvements in Cognition, Graded Symptom Checklist Score, Balance and Memory Following Neurological Rehabilitation for a 58-year-old Male Patient with Post-Concussion Syndrome: Case Report. *Neurology Nov 2020, 95 (20 Supplement 1) S10; DOI: 10.1212/01.wnl.0000719956.59037.e1*

Case Series Abstract, *Neurology*

2020

Kenneth Jay, Barton D, Antonucci M (2020). Neurocognitive measures and self-reported symptoms following a short intensive multimodal neurorehabilitation program in individuals with post-concussion syndrome: Retrospective case-series study. *Neurology Nov 2020, 95 (20 Supplement 1) S6; DOI: 10.1212/01.wnl.0000719916.93763.37*

Case Report Abstract, Frontiers in Neurology

2018

Kalambaheti ER, Manno M and Antonucci MM (2018). Improvements in Cognition and Processing Speed Following Neurological Rehabilitation for a 49-year-old Female Patient with Post Concussive Syndrome. *Front. Neurol.* Conference Abstract: International Symposium on Clinical Neuroscience 2018. doi: 10.3389/conf.fneur.2018.60.00013

Case Report Abstract, Frontiers in Neurology

2018

Kalambaheti ER, Manno M and Antonucci MM (2018). Improvements in Processing Speed, Stability Score, and a Decrease in Symptom Severity Score Following Neurological Rehabilitation for a 43-year-old Female Patient with Post Concussive Syndrome and a Centrally Maintained Vestibulopathy. *Front. Neurol.* Conference Abstract: International Symposium on Clinical Neuroscience 2018. doi: 10.3389/conf.fneur.2018.60.00030

Case Series Abstract, Frontiers in Neurology

2018

Kalambaheti ER, Manno M and Antonucci MM (2018). Increase in Quantity of Purposeful Fast Eye Movements in Children with Anoxic Brain Injury/Hypoxic Ischemic Encephalopathy Following Neurological Rehabilitation. *Front. Neurol.* Conference Abstract: International Symposium on Clinical Neuroscience 2018. doi: 10.3389/conf.fneur.2018.60.00029

Case Report Abstract, Frontiers in Neurology

2018

Kalambaheti ER, Antonucci MM, Link PE, Cozart M and Greenwell M (2018). Improvements in Average Stability Score, and a Decrease in Subjective Balance Issues Following Neurological Rehabilitation for a 62-year-old Male Patient with Parkinson's Disease. *Front. Neurol.* Conference Abstract: International Symposium on Clinical Neuroscience 2018. doi: 10.3389/conf.fneur.2018.60.00014

Case Report Abstract, Frontiers in Neurology

2018

Kalambaheti ER, Antonucci MM, Greenwell M and Cozart M (2018). Improvements in Processing Speed, King Devick Test Time, Fluid Cognitive Abilities, Stability Scores and a Decrease in Symptom Severity Scores Following Neurological Rehabilitation for a 53-year-old Female Patient with Post-Concussive Syndrome with Centrally Maintained Vestibulopathy. *Front. Neurol.* Conference Abstract: International Symposium on Clinical Neuroscience 2018. doi: 10.3389/conf.fneur.2018.60.00061

Case Series Abstract, Frontiers in Neurology

2018

Kalambaheti ER, Manno MM and Antonucci MM (2018). Case Series on Neurological Rehabilitation in Patients with Relapsing-Remitting Multiple Sclerosis. *Front. Neurol.* Conference Abstract: International Symposium on Clinical Neuroscience 2018. doi: 10.3389/conf.fneur.2018.60.00004

Editorial Contribution, Frontiers in Neurology

2018

Gulde P, Leippold K, Kohl S, Grimmer T, Diehl-Schmid J, Armstrong A and Hermsdörfer J (2018) Step by Step: Kinematics of the Reciprocal Trail Making Task Predict Slowness of Activities of Daily Living Performance in Alzheimer's Disease. *Front. Neurol.* 9:140. doi: 10.3389/fneur.2018.00140

Case Report Abstract, Frontiers in Neurology

2018

Kalambaheti ER, Manno M, Antonucci MM and Cozart M (2018). Improvements in Compulsivity, Graded Symptom Checklist Score, Stability Scores, and Oculomotor Function after Neurological Rehabilitation for a 13-year-old Male Patient with Autism Spectrum Disorder with Echolalia and Attention Deficit/Hyperactivity

Disorder. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience 2018*. doi: 10.3389/conf.fneur.2018.60.00017

Randomized Controlled Trial (Abstract), Biomedical Sciences Instrumentation

2016

Carrick, F., Pagnacco, G., Barton, D., Joubran, E. M., Antonucci, M., Wright, C., & Oggero, E. (2016). Accuracy, precision and consistency of robot and therapist generated horizontal head motions for gaze stabilization rehabilitation – Preliminary investigation. *Biomedical Sciences Instrumentation*, 52, 300-307.

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Link PE, Barton DA and Carrick FR (2016). Improvement in symptom severity, cognitive assessment, and choice reaction time in a college professor with post-concussive syndrome.. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function*. doi: 10.3389/conf.fneur.2016.59.00095

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM and Carrick FR (2016). Improvement in symptom severity, processing speed and visual acuity in a patient with a history of multiple concussions and anxiety, with neurological rehabilitation and pulsed magnetic frequency therapy . *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function*. doi: 10.3389/conf.fneur.2016.59.00060

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM and Link PE (2016). Improvements in symptoms, processing speed, reaction time and visual acuity in a college rower with post-concussive syndrome. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function*. doi: 10.3389/conf.fneur.2016.59.00070

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Habanek K and Mullin Elkins L (2016). Resolution of fatigue, hyperacusis and acquired dyslexia using integrated therapies. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function*. doi: 10.3389/conf.fneur.2016.59.00020

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Link PE, Carrick FR and Barton DA (2016). Improvement in symptom severity, cognitive assessment, processing speed, reaction time and visual acuity in a professional hockey player with a prior concussion. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function*. doi: 10.3389/conf.fneur.2016.59.00058

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM and Carrick FR (2016). Improvement in symptoms and processing speed measurements in a professional hockey player with post-concussive syndrome. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function*. doi: 10.3389/conf.fneur.2016.59.00082

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Jones A and Mullin Elkins L (2016). Improvements in anxiety and cognitive function in a middle-aged female using multimodal neurological rehabilitation. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function.* doi: 10.3389/conf.fneur.2016.59.00011

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Link PE, Barton DA and Carrick FR (2016). Improvement of symptoms, balance, and gait in a geriatric male, with a 5-day intensive combination of visual, vestibular, proprioceptive, and non-invasive nerve stimulation.. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function.* doi: 10.3389/conf.fneur.2016.59.00050

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Barton DA, Link PE and Carrick FR (2016). Improvements in balance, vestibular-ocular response, eye-tracking, cognitive processing, pain and range of motion after a 5-day intensive rehabilitation program. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function.* doi: 10.3389/conf.fneur.2016.59.00063

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM and Link PE (2016). Improvement in symptom severity, processing speed, gait, movement, and visual acuity in a patient with refractory functional neurological/ conversion disorder. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function.* doi: 10.3389/conf.fneur.2016.59.00065

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Husk J and Esposito SE (2016). Multimodal neurorehabilitation of a patient with tinnitus and memory difficulties. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function.* doi: 10.3389/conf.fneur.2016.59.00031

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Barton DA, Link PE and Carrick FR (2016). Improvement in persistent vegetative state of a 4-year-old, 2 years after near-drowning.. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function.* doi: 10.3389/conf.fneur.2016.59.00064

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Link PE, Barton DA and Carrick FR (2016). Improvement in muscle tone, coordination, balance, ocular-motor function, and communication in a 6-year-old male with developmental delays after 5 days of ReceptorBased treatment.. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function.* doi: 10.3389/conf.fneur.2016.59.00067

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Barton DA, Link PE and Carrick FR (2016). Improvement in cognitive assessment, processing speed, and visual acuity in a 10-year-old with Pediatric Autoimmune Neuropsychiatric Disorder After Streptococcus infection (PANDAS) . *Front. Neurol. Conference Abstract: International Symposium on Clinical*

Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00051

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Barton DA, Link PE and Carrick FR (2016). Cognitive improvement in a 52-year-old female with cognitive decline following a 5-day ReceptorBased treatment.. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00036

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Amadeo W and Esposito SE (2016). Multi-modal neurorehabilitation strategies improve temporal dementia in a 58-year-old male. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00044

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Barton DA, Link PE and Carrick FR (2016). Improvement in symptom severity, cognitive assessment and processing speed in a patient with vascular dementia. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00049

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Barton DA, Link PE and Carrick FR (2016). Improvement in symptom severity, cognitive assessment and processing speed in a patient with vascular dementia. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00049

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Jahangiri A and Esposito SE (2016). Multimodal neurorehabilitation of a patient with chronic headache syndrome. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00022

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM and Garcia FX (2016). Improvement in symptoms, processing speed and cognition in a 59-year-old stroke patient with Wernicke's aphasia. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00075

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Sweeney J and Mullin Elkins L (2016). Alleviation of head pain associated with carotid sinus hypersensitivity utilizing vestibular and orthoptic rehabilitation. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00028

Case Report Abstract, Frontiers in Neurology

2016

Antonucci MM, Osthus T and Esposito SE (2016). Treatment of attention deficit disorder using vestibular and gaze therapy. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00008

Case Report Abstract, Frontiers in Neurology

2016

Carrick FR and Antonucci M (2016). Benign Paroxysmal Positional Vertigo and Abdominal Discomfort Relieved by Manipulation of the Sacroiliac Joint. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: Clinical Neuroscience for Optimization of Human Function. doi: 10.3389/conf.fneur.2016.59.00098

Case Report Abstract, Frontiers in Neurology

2015

Carrick FR, Traster DJ, Esposito S and Antonucci M (2015). VERTIGO IMPROVED WITH MULTIMODAL NEUROREHABILITATION PROGRAM. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration. doi: 10.3389/conf.fneur.2015.58.00100

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). A Case of a Professional Hockey Player with Concussion-Like Symptoms and Aberrant Gait Mechanics Immediately Resolved by a Modified Lampert (BBQ) Maneuver. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration. doi: 10.3389/conf.fneur.2015.58.00044

Case Report Abstract, Frontiers in Neurology

2015

Antonucci MM, Sass BJ and Sass CM (2015). MULTIMODAL NEUROLOGICAL APPROACH TO A PROFESSIONAL ATHLETE WITH ANXIETY AND POST-CONCUSSIVE SYNDROME. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration. doi: 10.3389/conf.fneur.2015.58.00075

Case Report Abstract, Frontiers in Neurology

2015

Antonucci MM, Sass BJ and Sass CM (2015). BRAIN BASED NEUROLOGICAL TREATMENT APPROACH TO A NON-AMBULATORY PATIENT SUFFERING FROM HEADACHES AFTER TRAUMATIC BRAIN INJURY. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration. doi: 10.3389/conf.fneur.2015.58.00083

Case Report Abstract, Frontiers in Neurology

2015

Antonucci MM, Sass CM and Sass BJ (2015). Brain-based Clinical Approach to a Patient with Post Concussive Syndrome and Dysautonomia. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration. doi: 10.3389/conf.fneur.2015.58.00085

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). A CASE OF COMPLETE SYMPTOM RESOLUTION AND IMPROVEMENT IN COGNITION IN A 71 YEAR OLD MALE WITH COGNITIVE DECLINE FOLLOWING A 1-WEEK MULTI-MODAL NEURO-REHABILITATION PROGRAM. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration. doi: 10.3389/conf.fneur.2015.58.00058

Case Report Abstract, Frontiers in Neurology

2015

Antonucci MM, Sass BJ and Sass CM (2015). UTILIZATION OF SACCADOMETRY IN A MULTIMODAL NEUROLOGICAL TREATMENT APPROACH IN A PATIENT WITH INCREASED INTRACRANIAL PRESSURE, DYSAUTONOMIA, AND COGNITIVE IMPAIRMENTS. Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration. doi: 10.3389/conf.fneur.2015.58.00080

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). 97% IMPROVEMENT IN SYMPTOM COMPOSITE SCORE AND COGNITION, IN A CASE OF PEDIATRIC BRAIN INJURY FOLLOWING 1 WEEK OF MULTI-MODAL NEURO-REHABILITATION. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00054

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). IMPROVEMENT OF HYPOTHYROID-RELATED SYMPTOMS QUANTIFIED BY A GRADED SYMPTOM SCORE AFTER 1 WEEK OF MULTI-MODAL NEURO-REHABILITATION. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00052

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). ABSTRACT: IMPROVEMENT IN SYMPTOMS AND COGNITIVE PERFORMANCE IN A HIGH SCHOOL FOOTBALL PLAYER WITH MULTIPLE CONCUSSIONS. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00051

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). ABSTRACT: A CASE REPORT OF NEUROLOGICAL PERFORMANCE ENHANCEMENT IN A PROFESSIONAL BASKETBALL PLAYER. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00047

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). ABSTRACT: IMPROVEMENT IN SYMPTOMS AND COGNITIVE MEASUREMENTS IN A HIGH SCHOOL HOCKEY PLAYER WITH PROTRACTED CONCUSSION SYMPTOMS. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00046

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). IMPROVEMENT IN SYMPTOMS AND COGNITIVE MEASUREMENTS IN A HIGH SCHOOL HOCKEY PLAYER WITH PROTRACTED CONCUSSION SYMPTOMS. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00059

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). ABSTRACT: A CASE REPORT OF NEUROLOGICAL PERFORMANCE ENHANCEMENT IN A PROFESSIONAL BASKETBALL PLAYER. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00048

Case Report Abstract, Frontiers in Neurology

2015

Carrick FR, Traster DJ, Esposito S and Antonucci M (2015). NEUROREHABILITATION IMPROVES PATIENT WITH REPETITIVE TRAUMATIC BRAIN INJURIES. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00117

Case Report Abstract, Frontiers in Neurology

2015

Antonucci MM, Sass BJ and Sass CM (2015). UTILIZATION OF SACCADOMETRY IN AN INTENSIVE MULTIMODAL NEUROLOGICAL APPROACH TO A PATIENT WITH HEADACHES AND COGNITIVE IMPAIRMENTS. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00079

Case Report Abstract, Frontiers in Neurology

2015

Antonucci M, Sass CM and Sass BJ (2015). ABSTRACT: IMPROVEMENT IN COGNITIVE PERFORMANCE IN A RETIRED PROFESSIONAL FOOTBALL PLAYER MALE WITH LOGOPENIC PROGRESSIVE APHASIA. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00040

Case Report Abstract, Frontiers in Neurology

2015

Antonucci MM, Sass BJ and Sass CM (2015). UTILIZATION OF DYNAMIC POSTUROGRAPHY IN A MULTIMODAL TREATMENT APPROACH IN A PATIENT WITH MILD TRAUMATIC BRAIN INJURY. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00078

Case Report Abstract, Frontiers in Neurology

2015

Antonucci MM, Sass BJ and Sass CM (2015). UTILIZATION OF SACCADOMETRY IN THE TREATMENT OF A PROFESSIONAL ATHLETE WITH ANXIETY AND POST-CONCUSSIVE SYNDROME. *Front. Neurol. Conference Abstract: International Symposium on Clinical Neuroscience: TBI and Neurodegeneration*. doi: 10.3389/conf.fneur.2015.58.00082

Editorial Contribution, Frontiers in Psychology

2015

Fortune DG, Walsh RS, Waldron B, McGrath C, Harte M, Casey S and McClean B (2015) Changes in aspects of social functioning depend upon prior changes in neurodisability in people with acquired brain injury undergoing post-acute neurorehabilitation. *Front. Psychol.* 6:1368. doi: 10.3389/fpsyg.2015.01368

Editorial Contribution, Frontiers in Public Health

2015

Harvey-Golding L, Donkin LM, Blackledge J and Defeyter MA (2015) Universal free school breakfast: a qualitative model for breakfast behaviors. *Front. Public Health* 3:154. doi: 10.3389/fpubh.2015.00154

Editorial Contribution, Frontiers in Public Health

2015

Kiffel J and Sher L (2015) Prevention and management of depression and suicidal behavior in men with prostate cancer. *Front. Public Health* 3:28. doi: 10.3389/fpubh.2015.00028

Editorial Contribution, Frontiers in Public Health

2015

Rice TR, Rihmer Z, Golier J and Sher L (2015) Future directions concerning the impact of childhood and adolescent adversities in the field of men's mental health: The New York Declaration. *Front. Public Health* 3:4. doi: 10.3389/fpubh.2015.00004

Board Examination Creation, American Board of Brain Injury and Rehabilitation

2014

Created the American Board of Brain Injury and Rehabilitation fellowship certification examination consisting of 418 multiple-choice, matching, and labeling

questions; 7 essays; 11 critical thinking clinical case scenarios, and imaging presentations; and a 15-minute verbal dissertation.

Retrospective Chart Review, *Psychiatria Danubina*

2019

Carrick, F., Hankir, A., Zaman, R., & Antonucci, M. (2019). Improvement of Saccadic Eye Movements after Head-Eye Vestibular Motion (HEVM) Therapy and Neuro-Psychiatric Considerations. *Psychiatria Danubina*, 31(Suppl 3), 318-323.

References

References available upon request

Awards/Recognition

Prudential Spirit of Community Award (State Honoree), Connecticut

DECEMBER 2000

The Prudential Spirit of Community Awards program is the United States' largest youth recognition program based exclusively on volunteer community service. The program was created in 1995 by Prudential in partnership with the National Association of Secondary School Principals (NASSP) to honor middle level and high school students for outstanding service to others at the local, state, and national level.

Neurology Scholar of the Year, International Association of Functional Neurology and Rehabilitation

OCTOBER 2010

This award is given to a neurology scholar that exhibits extraordinary commitment to their studies and commitment to advancing the practice of functional neurology.

Outstanding Young Business Leader Award, South Carolina Jaycees

JULY 2011

The Outstanding Young Business Leader Award nominees are selected by their peers for their leadership roles and contributions to their community. A Jaycees committee reviews the nominees and selects one awardee per year.