

**Camilo M. Castillo, MD**  
220 Abraham Flexner Way, 15<sup>th</sup> Floor  
Louisville, KY 40202

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## **EDUCATION**

1990-1996 Escuela de Medicina Juan N. Corpas, Colombia  
2007-2008 Surgical Internship, Virginia Tech Carillion Medical School and Research Center, Roanoke, VA  
2008-2011 Residency, Physical Medicine and Rehabilitation, Virginia Commonwealth University, Richmond, VA  
2011-2012 SCIFM, Virginia Commonwealth University, Hunter Homes McGuire Veterans Affairs Medical Center, Richmond, VA

## **ACADEMIC APPOINTMENTS**

2016-present Assistant Professor  
Department of Neurological Surgery, Division of Physical Medicine and Rehabilitation  
University of Louisville  
Louisville, KY  
2013-2016 Assistant Professor  
Department of Rehabilitation Medicine  
MedStar Georgetown University School of Medicine  
Washington, DC  
2015-2016 Program Director, Spinal Cord Injury Medicine Fellowship  
Department of Physical Medicine and Rehabilitation  
MedStar Georgetown University Hospital  
Washington, DC

## **OTHER POSITIONS AND EMPLOYMENT**

2016-present Medical Director, Spinal Cord Injury Program, Frazier Rehabilitation Institute, Louisville, KY  
2015-2016 Interim Medical Director, Spinal Cord Injury Program, MedStar National Rehabilitation Hospital, Washington, DC  
2012-2016 Attending Physician  
Spinal Cord Injury Program  
MedStar Georgetown University Hospital  
Washington, DC  
2001-2007 Clinical Research Coordinator, McGuire Veterans Affairs Medical Center, Richmond, VA  
1997-1998 Attending Physician  
San Rafael Community Hospital  
Columbia, SA

## **CERTIFICATION AND LICENSURE**

2012-2022 Diplomat, American Board of Physical Medicine and Rehabilitation  
2012-2022 Fellow, American Board of Physical Medicine and Rehabilitation  
2016-present Kentucky Medical License (active)  
2007-present Virginia Medical License (active)  
2011-2016 District of Columbia (inactive)

## **PROFESSIONAL MEMBERSHIPS AND ACTIVITIES**

Academy of Physical Medicine and Rehabilitation

American Spinal Injury Association  
 Association for Spinal Cord Injury Professionals  
 International Spinal Cord Injury Society  
 American Congress of Rehabilitation medicine

## HONORS AND AWARDS

|           |   |
|-----------|---|
| 2017      | 2017-2018 Best Doctors in America Award from Best Doctors, Inc.   |
| 2016      | 2016 Annual Patient Safety Award, MedStar National Rehabilitation Hospital  |
| 2014      | 2014 Attending Physician of the Year, Department of Physical Medicine and Rehabilitation, MedStar Georgetown University Hospital/MedStar National Rehabilitation Hospital |
| 2011      | Research Excellence Award, Department of Physical Medicine and Rehabilitation, Virginia Commonwealth University   |
| 2010      | Best Grand Rounds "Doping and the Athlete", Department of Physical Medicine and Rehabilitation, Virginia Commonwealth University  |
| 2010-2011 | Vice Chief Resident, Department of Physical Medicine and Rehabilitation, Virginia Commonwealth University   |
| 2009-2010 | Chief Resident, Department of Physical Medicine and Rehabilitation, Virginia Commonwealth University  |
| 2007      | Top 5 Platform Presentations "Metabolic Syndrome in Spinal Cord Injury", Orlando, FL  |

## COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

### UNIVERSITY ACTIVITIES

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|--------------|---|
| 2017-present | Member, Research Medical Core Committee.                      |
| 2017-present | Member, Transitional Research Faculty Committee               |
| 2017-present | Member, Helmsley Restorative Medicine Center Human Project    |
| 2017-present | Member, UoL SCI Task Force Committee                          |
| 2017-present | Member, UoL Clinical Competence Committee                     |
| 2017-present | Member, UOL PM&R Program Evaluation Committee Meeting         |
| 2017-present | Member, UOL Graduate Medical Education Committee              |
| 2015-2016    | Vice President, MNRH Executive Committee of the Medical Staff |
| 2013-2016    | Member, MNRH Clinical Competence Committee                    |
| 2013-2016    | Co-Chair, MNRH Highly Reliability Organization Committee      |
| 2013-2016    | Member, MNRH Resource Management Committee                    |
| 2013-2015    | Secretary, MNRH Executive Committee of the Medical Staff      |
| 2012-2016    | Member, MNRH Graduate Medical Education Committee             |
| 2012-2016    | Member, MNRH SCI System of Care Committee                     |
| 2010-2011    | Member, Medical College of Virginia Educational Committee     |
| 2008-2010    | Member, Virginia Commonwealth University House Staff Council  |

### NON-UNIVERSITY ACTIVITIES

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|--------------|---|
| 2017-present | Member, Clinical section of the Medical Staff Committee |
| 2017-present | Member, Neurorecovery Network Health Committee          |
| 2015-present | Member, ASIA Electronic Communications Committee        |
| 2015-2016    | Vice Chair, ASIA Advocacy Committee Member              |
| 2015-2016    | Board Member, United Spinal Association, DC Chapter     |

## EDUCATIONAL ACTIVITIES

- 8/2009 SCI Grand Rounds lecture on “Metabolic Syndrome, Obesity and exercising in the SCI Population”, Medical College of Virginia, Richmond, VA.
- 12/2009 PM&R Grand Rounds lecture on “Doping and the Athlete”, Medical College of Virginia, Richmond, VA.
- 1/2011 PM&R Grand Rounds lecture on “Rehabilitation in Minorities: Treatment Across Cultures”, Medical College of Virginia, Richmond, VA.
- 12/2011 SCI Grand Rounds lecture on “Management of Pain in SCI, The Acute Phase, How Far Do You Go?”, Virginia Commonwealth University, Richmond, VA.
- 1/2013 PM&R Grand Rounds lecture on “Management of Pain in SCI, The Acute Phase, How Far Do You Go?”, MedStar National Rehabilitation Hospital, Washington, DC.
- 1/2013 PM&R Journal Club, MedStar National Rehabilitation Hospital, Washington, DC.
- 1/2013 PM&R Didactic Series on “Focused Review: Spinal Cord Injury Rehabilitation”, MedStar National Rehabilitation Hospital, Washington, DC.
- 7/2013 PM&R Didactic Series on “Rehabilitation Emergencies (Autonomic Dysreflexia)”, MedStar National Rehabilitation Hospital, Washington, DC.
- 1/2014 PM&R Didactic Series on “Focused Review: Spinal Cord Injury Rehabilitation”, MedStar National Rehabilitation Hospital, Washington, DC.
- 11/2014 PM&R Grand Rounds lecture on “Understanding Spasticity in Spinal Cord Injury”, MedStar National Rehabilitation Hospital, Washington, DC
- 8/2015 PM&R Grand Rounds lecture on “Medication Reconciliation at MedStar NRH (MNRH): A Physician and Pharmacist’s Perspective” at the MedStar National Rehabilitation Hospital, Washington, DC.
- 3/2017 SCI Grand Rounds lecture on “Management of Pain in SCI”, University of Louisville, Louisville, Ky.
- 5/2017 Community lecture, BrightStar Care, Home care on “Rehabilitation in SCI”. Louisville, Ky

## CLINICAL ACTIVITIES

Attending physician, clinical director as well as research faculty for the Spinal Cord Injury (SCI) Program at the University of Louisville. Leadership roles includes coordinate the care for acute SCI patients admitted to our unit including admission, daily rounds and discharge planning. Lead team conference every week. Evaluation and treatment of patient with SCI in the inpatient and outpatient setting. Evaluate patient with acute SCI during consultation. Work closely with other attending, nurses, and therapist to revamp the clinical and educational model of the SCI Program. Work closely with SCI team to ensure continued CARF accreditation of the SCI program. Worked with therapist to promote and enhance SCI technology for disabled patients. Improve quality of care for our SCI patients. Improve safety. Teach resident physicians. Work close with SCI researchers to evaluate, screen and follow up subjects during SCI research protocols. Improve patient satisfaction scores on the SCI unit.

**GRANTS/RESEARCH PROJECTS**

1. Activity-Dependent Rehabilitation Model to Improve Bone and Muscle after SCI. Co-investigator. 2017-Current. Research Study IRB#: 07.0268. Co-PI. PI: Harkema, Susan J, Ph.D.
2. Autonomic Evaluation in people with spinal cord injury and normal controls (people without spinal cord injury). 2017-present. Co-investigator. PI: Harkema, Susan J, Ph.D.
3. Development of the Human Locomotion Research Center Database for Potential Research Volunteers. 2017-present. Co-investigator. PI: Harkema, Susan J, Ph.D.
4. Functional NeuroPhysical Assessments in Spinal Cord Injured Participants. 2017-present. Co-investigator. PI: Harkema, Susan J, Ph.D.
5. HLRC Screening Protocol. 2017-present. Co-investigator. PI: Harkema, Susan J, Ph.D.
6. Lumbosacral Epidural Stimulation Recovery of Bladder Function After Spinal Cord Injury. 2017-present. Co-investigator
7. Peripheral Adaptations to Spinal Cord Injury. 2017-present. Co-investigator
8. Spinal Epidural Electrode Array to Facilitate Standing and Stepping in Spinal Cord Injury. 2017-present. Co-investigator
9. Peripheral Adaptations to Spinal Cord Injury. 2017-present. Co-investigator
10. Testing of standing ability with Epidural Stimulation following Spinal Cord Injury-IAA. 2017-present. Co-investigator
11. Baclofen with Locomotor Training: The Effect on Function and Neuroplasticity in Chronic Incomplete Spinal Cord Injury. 2017-present. Co-investigator
12. Evaluation of User Interface designed for task specific stimulation for recovery of cardiovascular function and voluntary movement using epidural stimulation and training after severe spinal cord injury. 2017-present. Co-investigator
13. Evaluation of User Interface designed for task specific stimulation for recovery of stepping and standing using epidural stimulation and training after severe spinal cord injury. 2017-present. Co-investigator
14. Neurophysiology and Neuroimaging Study. 2017-present. Co-investigator
15. Tethered pelvic assist device and epidural stimulation for recovery of standing after severe spinal cord injury. 2017-present. Co-investigator
16. B6020: Multimodal Study of Sensorimotor Plasticity after Spinal Cord Injury. 2017-present. Co-investigator
17. Recovery of cardiovascular function with epidural stimulation after human spinal cord injury. 2017-present. Co-investigator
18. Metabolic, Neuromuscular, and Skeletal Study. 2017-present. Co-investigator

19. Adult Urogenital and Bowel Study. 2017-present. Co-investigator
20. Adult Cardiovascular and Pulmonary Study. 2017-present. Co-investigator
21. 1R01HL103750-01A1: Respiratory motor Control and Blood Pressure Regulation after Spinal Cord Injury. 2017-present. Co-investigator
22. Testosterone Replacement Therapy in Combination with Electrical Stimulation and Standing: Effect on Muscle and Bone in Spinal Cord Injured Males. 2017-present. Co-investigator
23. Testosterone Replacement Therapy in Combination with Electrical Stimulation and Standing: Effect on Muscle and Bone in Spinal Cord Injured Males. Co-Investigator. 2017-Current. Research Study IRB#: 14.1284.
24. Role of Intestinal Dysbiosis and Neurogenic Bowel in Disordered Glucose Metabolism in SCI.
25. Skin Microvascular and Metabolic Response to Sitting and Pressure Relief Maneuvers in People with Spinal Cord Injury. 2013 – 2015. Co-Investigator. Protocol # 2009-396.
26. Use of Virtual Patient Simulation in Pressure Ulcer and Patient Safety Education: An Evidence and Problem-based Learning Experience for Medical Students. 2013 – 2015. Sub-investigator.
27. Comparison of HP011-101 to Standard Care in the Management of Stage I-II Pressure Ulcers in Subjects with Spinal Cord Injury. I: Pamela Ballard, MD; SubI: Camilo Castillo, MD. 2012 – 2012.
28. Cardiometabolic Risk, Obesity and Cardiovascular Disease in People with Spinal Cord Injury. PI: Suzanne Groah, MD, MSPH; Medical Monitor: Camilo Castillo, MD. 2012 – 2016.
29. Effect of an Omega-3 Supplement Intervention Program on Cardiometabolic Health in People with Spinal Cord Injury. PI: Suzanne Groah, MD, MSPH; Medical Monitor: Camilo Castillo, MD. 2012 – 2016.
30. Echocardiographic imaging of Cardiac Performances in Spinal Cord and non-SCI adults (A Pilot Study). Veterans Affairs Medical Center, Richmond, VA. PI: David Gater, MD; Co-I: Camilo Castillo, MD. 2012.
31. Body Composition Assessment in Spinal Cord Injury. Veterans Affairs Medical Center, Richmond, VA. PI: David Gater, MD; Co-I: Camilo Castillo, MD. 2012.
32. Prevalence of Metabolic Syndrome in Veterans with Spinal Cord Injury. Veterans Affairs Medical Center, Richmond, VA. PI: David Gater, MD; Co-I: Camilo Castillo, MD. 2012.
33. Retrospective Data Review for Electrical Stimulation in Pressure Ulcers in Hospitalized Spinal Cord Injury Patients. Veterans Affairs Medical Center, Richmond, VA. PI: David Gater, MD; Co-I: Camilo Castillo, MD. 2012.

## ABSTRACTS AND PRESENTATIONS

### ORAL PRESENTATIONS

#### NATIONAL/INTERNATIONAL MEETINGS

1. Bauman W, **Castillo C**, Spungen A; Pressure Wound Treatment National Group Meeting, VA Medical Center, Albuquerque, NM, 4/2004.

2. "Addressing Gaps in Service for Individuals with SCI", **Castillo C**; 2014 Academy of Spinal Cord Injury Professionals, Inc. Educational Conference and Expo, St. Louis, MO, 8/2014.
3. "DC SCI Patient Medical Homes Program", **Castillo C**; 2015 Academy of Spinal Cord Injury Professionals, Inc. Educational Conference and Expo, New Orleans, LA, 9/2015.
4. "Annual Scientific Meeting Course: Advocacy 101", Caslise V, **Castillo C**, Davis M, Gustafson K, Stein A; 2016 American Spinal Injury Association, Philadelphia, PA, 4/2016.
5. "HACIA UN MEJOR CONOCIMIENTO EN REHABILITACIÓN DE LA LESIÓN MEDULAR", Castillo C; 3/2018

#### LOCAL/REGIONAL MEETINGS

1. "Predictors of Extended Rehabilitation Length of Stay After TBI", Arango-Lasprilla J, **Castillo C**, Deng X, Hammond F, Lequerica A, Nicholls E, Watanabe T; MCV Resident Research Day, Richmond, VA, 6/2011.
2. "Educational Skin Care Training", **Castillo C**; Department of Veterans Affairs, Virginia Chapter, Richmond, VA, 2/2006.\*
3. Betancourt J, Bruzzese V, **Castillo C**, Smith W; Latino Health Summit, Virginia Commonwealth University, Richmond, VA, 11/2006.\*
4. **Castillo C**, Gater D, Goetz L; MC Spinal Cord Injury Regional Conference, Richmond, VA, 8/2011.\*
5. "Neurogenic Bladder: CAUTI and How to Influence Regulations", **Castillo C**; 2016 Roll on Capitol Hill (ROCH) United Spinal, Washington, DC, 6/2016.
6. Post-Operative Pain, clinical and basic science perspective. Castillo C; J Petruska; Neuroscience Grand Rounds, University of Louisville. 9/2017

#### ABSTRACTS

##### NATIONAL/INTERNATIONAL MEETINGS

1. "Metabolic Syndrome in Spinal Cord Injury", **Castillo C**, Gater D, Miller J, Moore J; American Paraplegia Society 52<sup>nd</sup> Annual Conference, Orlando, FL, 8/2007.
2. "Predictors of Extended Rehabilitation Length of Stay After Traumatic SCI Using Admission FIM", Arango-Lasprilla J, **Castillo C**, Cifu D, Jennings C, Ketchum J; Academy of Spinal Cord Injury Professionals, Inc. Las Vegas, NV, 11/2011.
3. "Predictors of Extended Rehabilitation Length of Stay After Traumatic Spinal Cord Injury", Arango-Lasprilla J, **Castillo C**, Cifu D Jennings C, Ketchum J, Premuda P; American Academy of PM&R, Orlando, FL, 11/2011.
4. "Rapidly Progressive Severe Tracheal Stenosis in a C2 Spinal Cord Injured Patient Following Elective Spine Surgery: A Case Report", **Castillo C**; American Academy of Physical Medicine and Rehabilitation Annual Assembly and Technical Exhibition, National Harbor, MD, 10/2013.

5. "Use of Intensive Mobility Training in a Tetraplegic Patient with Profound Impairment in Proprioception: A Case Report", **Castillo C**; American Academy of Physical Medicine and Rehabilitation Annual Assembly and Technical Exhibition, National Harbor, MD, 10/2013.
6. "Urgent Intrathecal Baclofen Pump Placement for the Treatment of Severe Loss of Descending Autonomic Control in a Complete Tetraplegia: A Case Report", **Castillo C**; Association of Academic Physiatrists Annual Meeting, San Antonio, TX, 3/2015.
7. "T1 AIS Due to Compression of the Radicular Artery by the Right Diaphragmatic Crus", **Castillo C**; American Academy of Physical Medicine and Rehabilitation Annual Assembly and Technical Exhibition, Boston, MA, 10/2015.
8. "Bullae Formation after Use of Lyrica for the Treatment of Neuropathic Pain in a Patient with Spinal Cord Injury", **Castillo C**; Association of Academic Physiatrists Annual Meeting, Sacramento, CA, 2/2016.
9. Incidence of metabolic syndrome in spinal cord injury ;Authors: Gary J. Farkas, BS<sup>1</sup>; Arthur S. Berg, PhD<sup>2</sup>; Camilo M. Castillo, MD<sup>3</sup>; David R. Gater, MD, PhD, MS<sup>1</sup>

#### LOCAL/REGIONAL MEETINGS

1. "Is a Single Dose of Pre-Procedure Antibiotic Safe and Cost-Effective in Spinal Cord Injury Patients with Colonized Urine Prior to Elective Endoscopic Procedures?", Berry T, **Castillo C**, Despradel V, Grob B, Klaussner A, Lou J; Mid-Atlantic Section of the American Urological Association article, 10/2006.
2. "Predictors of Extended Rehabilitation Length of Stay After TBI", Arango-Lasprilla J, **Castillo C**, Deng X, Hammond F, Lequerica A, Nicholls E, Watanabe T; MCV Resident Research Day, Richmond, VA, 6/2011.
3. "Traumatic Tetraplegia in a Patient with Spinal Cerebellar Ataxia: A CNS Double Crush Case Report", Carter, W, **Castillo C**, Goetz L, McKinley W; McGuire VA Medical Center, Richmond, VA, 1/2012.
4. "Malignant Autonomic Dysreflexia Secondary to Charcot Arthropathy of the Spine: A Case Report", **Castillo C**, Scholten E; 2013.
5. "Neurogenic Pulmonary Edema Secondary to Autonomic Dysreflexia (AD) in a Patient with Complete Tetraplegia", **Castillo C**, Schleier A; 2/2014.
6. "Use of Pressure Ulcer Prevention Virtual Patient to Round Out the Selective/Elective Learning Experience in Physical Medicine and Rehabilitation", **Castillo C**, Pineda C, Schladen M; MedStar Health Research Institute, Washington, DC, 5/2014.
7. "Development of an Instructional Design Theory for Virtual Patients", **Castillo C**, Libin A, Pineda C, Schladen M; Symposium at Georgetown University, Washington, DC, 6/2016.

#### PUBLICATIONS

1. **Castillo C**, Gater D, Grob M, Klaussner A, Ha C; "Prophylactic Radical Cystectomy for the Management of Keratinizing Squamous Metaplasia of the Bladder in a Tetraplegic Patient", The Journal of Spinal Cord Medicine, 2006, 389-391.

2. **Castillo C**, Jayawardena V, Midha M; “New Onset Tetraplegia in a Previous Paraplegic Secondary to Cervical Diskitis and Osteomyelitis”, *The Journal of Spinal Cord Medicine*, 2006, Volume 29, 276.
3. Bombardier C, Durazo-Arizu R, Garber S, Goldstein B, Guihan M, Holmes S; “Lessons Learned While Conducting Research Prevention of Pressure Ulcers in Veterans with Spinal Cord Injury”, *Arch. Phys Med & Rehab*, 2007, Volume 88, 858-861 (**Acknowledge from authors**).
4. Becker RC<sup>1</sup>, Moliterno DJ, Jennings LK; “Safety and Tolerability of SCH 530348 in Patients Undergoing Non-urgent Percutaneous Coronary Intervention: A Randomized, Double-blind, Placebo-Controlled Phase II Study”, *The Lancet*, 2009, Volume 373 Issue 9667, 919-928. (**Acknowledge from authors**).
5. Arango-Lasprilla J, **Castillo C**, Deng X, Hammond F, Lequerica A, Nicholls E, Watanabe T; “Predictor of Extended Rehabilitation Length of Stay After TBI”, *Arch Phys Med Rehab*, 2010, Volume 91, 1495-1504.
6. Carter W, **Castillo C**, McKinley W; “Nontraumatic Spinal Cord Injury: Etiologies and Outcomes”, *Epidemiology of Spinal Cord Injuries*, 2012, 7-18.
7. Dolbow D, Dolbow J, **Castillo C**, Gater D, Gorgey A, Khalil R; “Effects of Spinal Cord Injury on Body Composition and Metabolic Profile- Part I”, *The Journal of Spinal Cord Medicine*, 2014, 693-702.
8. Effects of Respiratory Training on Heart rate Variability and Baroreflex Sensitivity in Individuals with Chronic Spinal Cord Injury Bonnie E. Legg Ditterline, PhD<sup>a,b</sup>, Sevda C. Aslan **Castillo C**. ARCHIVES-PMR-D-17-00301R1, 2017
9. Prevalence of Metabolic Syndrome in Veterans with Spinal Cord Injury David R. Gater, Jr.; Gary J. Farkas; Arthur Berg; **Castillo C**. *The Journal of Spinal Cord Medicine*, 2016 (accepted, 12/2017).
10. Overuse-injuries in disorders of the central nervous system MARKUP, **C Castillo**; M Janakos PM&R Knowledge now, 2017 (Submitted 6/2017).