

CURRICULUM VITAE

Name: DANIEL MASTER, M.D.
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EDUCATION

Fellowship

Stanford University Medical Center, Palo Alto, CA – Stanford University Hand and Upper Limb Fellowship 2012 - 2013

Residency

University Hospitals Case Medical Center, Cleveland, OH - Resident in Orthopaedic Surgery 2008 - 2012

Research Fellowship

University Hospitals Case Medical Center, Cleveland, OH – Allen Research Fellow in Orthopaedic Surgery 2007 - 2008

Internship

University Hospitals Case Medical Center, Cleveland, OH - Surgical Internship 2006 - 2007

Doctor of Medicine

University of Connecticut School of Medicine, Farmington, CT - M.D. with honors in Surgery and Orthopaedic Surgery 2002 - 2006

Undergraduate

Georgetown University, Washington, D.C. – B.A. (Magna Cum Laude) with honors in Psychology (Alpha Sigma Nu) 1998 - 2002

BOARD CERTIFICATION

Board Certified, American Board of Orthopaedic Surgery 2015

MEDICAL LICENSURE

Colorado Medical License, Active, DR.0052239

PROFESSIONAL WORK HISTORY

Mapleton Hill Orthopaedics, P.C., Boulder, CO – Orthopaedic Hand and Upper
Extremity Surgeon 2013 - present

EDITORIAL REVIEWER

Editorial Reviewer, BioMed Central

Editorial Reviewer, Lasers in Medical Science

GRANTS AND FUNDED RESEARCH

1. Principal Investigator – Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model
National Institute of Neurological Disorders and Stroke (NINDS)
\$20,000 2007 – 2008

BIBLIOGRAPHY

Published Papers

1. **Master DL**, Piorkowski J, Zani S, Babigian A. Snowblower Injuries to the Hand: Epidemiology, Patterns of Injury, and Strategies for Prevention. *Ann Plast Surg.* 2008;61(6):613-7. PMID: 19034074.
2. **Master DL**, Thompson GH, Poe-Kochert C, Biro C. Spinal Cord Monitoring for Scoliosis Surgery in Rett syndrome: Can These Patients Be Accurately Monitored? *J Pediatr Orthop.* 2008;28(3):342-6. PMID: 18362801.
3. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyer HA. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. *J Hand Surg [Am].* 2009; 34(3):479-487, 487.e1-3. PMID: 19258146.
4. **Master DL**, Eubanks JD, Ahn NU. Prevalence of Concurrent Lumbar and Cervical Arthrosis: An Anatomic Study of Cadaveric Specimens. *Spine.* 2009;34(8):E272-5. PMID: 19365235.
5. **Master DL**, Hanson PR, Gosain AK. Complications of Mandibular Distraction Osteogenesis. *J Craniofac Surg.* 2010;21(5):1565-70. PMID: 20856049.
6. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complications After Surgery for Neuromuscular Scoliosis. *Spine* 2011;36(7):564-71. PMID: 20683386.

7. **Master DL**, Poe-Kochert C, Son-Hing J, Armstrong DG, Thompson GH. Wound Infections After Surgery for Neuromuscular Scoliosis: Risk Factors and Treatment Outcomes. *Spine*, 2011;36(3):E179-85. PMID: 21248588.
8. **Master DL**, Poe-Kochert C, Son-Hing J, Armstrong DG, Thompson GH. Wound Infections Following Surgery for Neuromuscular Scoliosis: Risk Factors and Treatment Outcomes. *Spine*, 2010. PMID: 21192308.
9. **Master DL**, Toy JO, Eubanks JD, Ahn NU. Cervical Endplate and Facet Arthrosis: An Anatomic Study of Cadaveric Specimens. *J Spinal Disord Tech*, 2012. PMID: 21705919.
10. **Master DL**, Yao J. The Wrist Insufflation Test: A Confirmatory Test for Detecting Intercarpal Ligament and Triangular Fibrocartilage Complex Tears. *Arthroscopy* 2014; 30(4):451-5. PMID: 24680305.

Presentations

1. **Master DL**, Babigian A. Clusters of Snowblower Injuries to the Hand: Epidemiology, Patterns of Injury, and Strategies for Prevention. Podium presentation, New England Hand Society (NEHS) 2005 Annual Meeting, 2/3/2005.
2. Snyder J, **Master DL**, Chudik S. Arthroscopic Double Row Rotator Cuff Repair: A Comparison of Methods Using a Parachute Tissue Anchor Versus a Threaded Double-loaded Suture Anchor. Podium presentation, 19th Congress of the European Society for Surgery of the Shoulder and Elbow (ESSSE), 9/21/2005.
3. Snyder J, **Master DL**, Chudik S. Arthroscopic Double Row Rotator Cuff Repair: A Comparison of Methods Using a Parachute Tissue Anchor Versus a Threaded Double-Loaded Suture Anchor. Podium presentation, American Academy of Orthopedic Surgeons (AAOS) 2006 Annual Meeting, 3/22/2006.
4. **Master DL**, Eubanks JD, Garcia RM, Lee M, Ahn NU. Is there an association between lumbar and cervical degeneration that is independent of age? Evidence for the “systemic theory” of disc disease. Podium presentation, International Society for the Study of the Lumbar Spine (ISSLS) 2007 Annual Meeting, 5/1/2007.
5. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complication Following Surgery for Neuromuscular Scoliosis. Podium presentation, Cleveland Orthopaedic Society 2008 Annual Meeting, 4/24/08.
6. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyer H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, American Academy of Orthopaedic Surgeons (AAOS) 2009 Annual Meeting, 2/25/09.

7. **Master DL**, Babigian A. Clusters of Snowblower Injuries to the Hand: Epidemiology, Patterns of Injury, and Strategies for Prevention. Podium presentation, American Academy of Orthopaedic Surgeons (AAOS) 2009 Annual Meeting, 2/27/2009.
8. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyen H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, American Association of Neurological Surgeons / Congress of Neurological Surgeons (AANS/CNS) Section on the Disorders of the Spine and Peripheral Nerves 2009 Annual Meeting, 3/14/2009.
9. **Master DL**, Eubanks JD, Ahn NU. Prevalence of Concurrent Cervical and Lumbar Arthrosis: An Anatomic Study of Cadaveric Specimens. Podium presentation, American Association of Neurological Surgeons / Congress of Neurological Surgeons (AANS/CNS) Section on the Disorders of the Spine and Peripheral Nerves 2009 Annual Meeting, 3/14/2009.
10. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complication Following Surgery for Neuromuscular Scoliosis. Podium presentation, American Association of Neurological Surgeons / Congress of Neurological Surgeons (AANS/CNS) Section on the Disorders of the Spine and Peripheral Nerves 2009 Annual Meeting, 3/14/2009.
11. **Master DL**, Hart D. Cadaveric Allograft, Demineralized Bone Matrix, and Autogenous Iliac Crest Bone Marrow Composite Grafting for Single and Multi-Level Anterior Cervical Discectomy and Fusion. Podium presentation, American Association of Neurological Surgeons / Congress of Neurological Surgeons (AANS/CNS) Section on the Disorders of the Spine and Peripheral Nerves 2009 Annual Meeting, 3/14/2009.
12. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complication Following Surgery for Neuromuscular Scoliosis. Podium presentation, European Pediatric Orthopaedic Society (EPOS) 2009 Annual Meeting, 4/1/2009.
13. **Master DL**, Poe-Kochert C, Son-Hing J, Armstrong DG, Thompson GH. Wound Infections Following Surgery for Neuromuscular Scoliosis: Risk Factors and Treatment Outcomes, European Pediatric Orthopaedic Society (EPOS) 2009 Annual Meeting, 4/1/2009.
14. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyen H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, Ohio Valley Society of Plastic Surgery (OVSPS) 2009 Annual Meeting, 5/15/2009.

15. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complication Following Surgery for Neuromuscular Scoliosis. Podium presentation, Canadian Orthopaedic Association (COA) 2009 Annual Meeting, 7/3/2009.
16. **Master DL**, Poe-Kochert C, Son-Hing J, Armstrong DG, Thompson GH. Wound Infections Following Surgery for Neuromuscular Scoliosis: Risk Factors and Treatment Outcomes, Canadian Orthopaedic Association (COA) 2009 Annual Meeting, 7/3/2009.
17. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complication Following Surgery for Neuromuscular Scoliosis. Podium presentation, Dewar Orthopaedic Society 50th Annual Meeting, 9/24/2009.
18. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyen H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, American Academy of Pediatrics (AAP) 2009 National Conference and Exhibition, 10/17/2009.
19. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complication Following Surgery for Neuromuscular Scoliosis. Podium presentation, American Academy of Pediatrics (AAP) 2009 National Conference and Exhibition, 10/18/2009.
20. **Master DL**, Poe-Kochert C, Son-Hing J, Armstrong DG, Thompson GH. Wound Infections Following Surgery for Neuromuscular Scoliosis: Risk Factors and Treatment Outcomes. Podium presentation, American Academy of Pediatrics (AAP) 2009 National Conference and Exhibition, 10/18/2009.
21. **Master DL**, Eubanks JD, Ahn NU. Cervical Endplate and Facet Arthrosis: An Anatomic Study of Cadaveric Specimens. Podium presentation, North American Spine Society (NASS) 2009 Annual Meeting, 11/11/09.
22. **Master DL**, Eubanks JD, Ahn NU. Concurrent Cervical and Lumbar Arthrosis: An Anatomic Study of Cadaveric Specimens. Podium presentation, North American Spine Society (NASS) 2009 Annual Meeting, 11/12/2009.
23. **Master DL**, Bohnert N, Armbruster L, Polasek K, Tyler D, Hoyen H. Determining the Zone of Peripheral Nerve Injury: Intraoperative Nerve Cuff Electrodiagnosis. Podium presentation, American Society of Peripheral Nerve Surgery (ASPN) 2010 Annual Meeting, 1/8/2010.
24. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyen H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model.

- Podium presentation, American Society of Peripheral Nerve Surgery (ASPN) 2010 Annual Meeting, 1/10/2010.
25. **Master DL**. The Importance of Level One Trauma Center Training: A Resident's Perspective. Poster presentation, American Academy of Orthopaedic Surgeons (AAOS) 2010 Annual Meeting, 3/10/2010.
 26. **Master DL**, Son-Hing J, Poe-Kochert C, Armstrong DG, Thompson GH. Risk Factors for Major Complication Following Surgery for Neuromuscular Scoliosis. Podium presentation, American Academy of Orthopaedic Surgeons (AAOS) 2010 Annual Meeting, 3/10/2010 and 3/12/2010.
 27. **Master DL**, Bohnert N, Armbruster L, Polasek K, Tyler D, Hoyen H. Determining the Zone of Peripheral Nerve Injury: Intraoperative Nerve Cuff Electrodiagnosis. Podium presentation, American Academy of Orthopaedic Surgeons (AAOS) 2010 Annual Meeting, 3/11/2010.
 28. **Master DL**, Poe-Kochert C, Son-Hing J, Armstrong DG, Thompson GH. Wound Infections Following Surgery for Neuromuscular Scoliosis: Risk Factors and Treatment Outcomes. Podium presentation, American Academy of Orthopaedic Surgeons (AAOS) 2010 Annual Meeting, 3/12/2010.
 29. **Master DL**, Eubanks JD, Ahn NU. Cervical Endplate and Facet Arthrosis: An Anatomic Study of Cadaveric Specimens. Podium presentation, American Academy of Orthopaedic Surgeons (AAOS) 2010 Annual Meeting, 3/12/2010.
 30. **Master DL**, Bohnert N, Lacey S, Malone K. Distal Radius Fractures in the Elderly: Predictors of Functional Outcome. Poster presentation, Ohio Valley Society of Plastic Surgery (OVSPS) 2010 Annual Meeting, 5/14/10.
 31. **Master DL**, Armbruster L, Polasek K, Tyler D, Hoyen H. Determining the Zone of Peripheral Nerve Injury: Intraoperative Nerve Cuff Electrodiagnosis. Poster presentation, Ohio Valley Society of Plastic Surgery (OVSPS) 2010 Annual Meeting, 5/14/10.
 32. **Master DL**, Babigian A. Snowblower Injuries to the Hand: Epidemiology, Patterns of Injury, and Strategies for Prevention. Poster presentation, Ohio Valley Society of Plastic Surgery (OVSPS) 2010 Annual Meeting, 5/14/10.
 33. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyen H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, Plastic Surgery Research Council (PSRC) 2010 Annual Meeting, 5/25/2010.

34. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyen H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 9th Annual Tetraplegia Hand Conference, 9/21/2010.
35. **Master DL**, Bohnert N, Lacey S, Malone K. Distal Radius Fractures in the Elderly: Predictors of Functional Outcome. Podium presentation, 67th Annual American Society for Surgery of the Hand Meeting, 9/5/2012.
36. **Master DL**, Cowan T, Narayan S, Kirsch R, Hoyen H. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Poster presentation, 67th Annual American Society for Surgery of the Hand Meeting, 9/5/2012.
37. **Master DL**, Babigian A. Snowblower Injuries to the Hand: Epidemiology, Patterns of Injury and Strategies for Prevention. Poster presentation, 67th Annual American Society for Surgery of the Hand Meeting, 9/5/2012.
38. **Master DL**, Patel S, Anderson JR, Malone K. Peripheral Nerve Repair with Decellularized Nerve Allograft: Preliminary Results. Poster presentation, 67th Annual American Society for Surgery of the Hand Meeting, 9/5/2012.
39. **Master DL**, Armbruster L, Polasek K, Tyler D, Hoyen H. Determining the Zone of Peripheral Nerve Injury: Intraoperative Nerve Cuff Electrodiagnosis. Poster presentation, 67th Annual American Society for Surgery of the Hand Meeting, 9/5/2012.

RESEARCH AWARDS

1. **Resident Research Award, Second Place**, Ohio Orthopaedic Society 2008 Annual Meeting. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 5/9/2008.
2. **Resident Research Award, First Place**, Metro Health Medical Center 2008 Annual Research Meeting. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 9/25/2008.
3. **Resident Essay Contest, First Place**, Cleveland Orthopaedic Society 2009 Annual Meeting. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 1/3/2009.
4. **Jacquelin Perry Award**, Orthopaedic Rehabilitation Association 2009 Annual Meeting. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 2/28/2009.
5. **Mayfield Basic Science Award**, American Association of Neurological Surgeons / Congress of Neurological Surgeons (AANS/CNS) Section on the Disorders of

- the Spine and Peripheral Nerves 2009 Annual Meeting. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 3/14/2009.
6. **Barry Friedman Award**, Orthopaedic Research Laboratories 2009 Annual Reich Lectureship. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 3/27/2009.
 7. **John Sharrard Best Clinical Science Paper Award**, European Pediatric Orthopaedic Society (EPOS) 2009 Annual Meeting. Risk Factors for Major Complications Following Surgery for Neuromuscular Scoliosis. Podium presentation, 4/1/2009.
 8. **Resident Research Award, First Place**, Bohlman Annual Lectureship 2009. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 4/7/2009.
 9. **Synthes Resident Education Grant**, AO Basic Principles and Techniques of Operative Fracture Management Course, La Jolla, CA, 8/27/2009 – 8/30/2009.
 10. **Resident Research Award**, American Academy of Pediatrics (2009) National Conference and Exhibition. Involuntary, Electrically Excitable Nerve Transfer for Denervation: Results from an Animal Model. Podium presentation, 10/17/2009.

EXTRACURRICULAR

1. Traditional Lead Climbing -- Indian Creek (UT), Yosemite National Park (CA), Toulumne (CA), Shawangunks Mohonk Preserve (NY), Seneca Rocks (WV), Joshua Tree (CA), Ragged Mountain (CT), Leavenworth and the North Cascades (WA), Squamish (British Columbia), Cannon Cliff (NH), Mount Lemmon and Cochise Stronghold (AZ). Traditional lead climbing on 500-600 foot multi-pitch rock routes up to a 5.11 difficulty level. Top-roped routes up to a 5.13 difficulty level, 1999 – Present.
2. North Carolina Outward Bound School Mountain Marathon -- Second place. 26 miles and 3000 feet of elevation gain. 4 hours, 17 minutes, 2002.
3. American Alpine Institute, Bellingham, WA -- Alpine Mountaineering and Technical Leadership Course. Certified rope-team leader on glaciated, high-altitude peaks. Certified in crevasse and vertical-rock rescue, 2003.
4. President, Founder, and Executive Director, American Association of Orthopaedic Surgery Residents (AAOSR) -- Cleveland, OH, 2009 to present. For more information, please see our website at www.aaosr.org (user: visitor / password: visitor)

EMPLOYMENT

1. Georgetown Emergency Response Medical Service -- Emergency Medical Technician – Basic (EMT-B), 1998-2001.
2. New York City Outward Bound Education Center -- Wilderness Instructor (Wilderness First Aid certified), 1999.
3. Thompson Island Outward Bound Education Center -- Wilderness Instructor (Wilderness First Aid certified), 1999, 2001
4. North Carolina Outward Bound School -- Wilderness Instructor (Wilderness First Responder certified), 2002.