

CURRICULUM VITAE  
ALAN H DANIELS, M.D.

Warren Alpert Medical School of Brown University  
Department of Orthopaedic Surgery  
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EDUCATION

Undergraduate

University of California, Berkeley  
Major: Psychology  
Degree: BA  
Year awarded: 2003 (06/03/2003)  
Honors: Distinction in General Scholarship

Medical School

Oregon Health & Science University  
Dates attended: 08/2004-06/2008  
Year degree awarded: 2008 (06/15/2008)  
Honors: -*Cum Laude*  
-3<sup>rd</sup> Year *Alpha Omega Alpha* (AOA)  
-School of Medicine Research Award

POSTGRADUATE TRAINING

Residency

Orthopedic Surgery Residency  
Warren Alpert Medical School  
Brown University  
Rhode Island Hospital  
Providence, Rhode Island  
Program Director: Christopher DiGiovanni, MD  
Dates of training: 07/01/08-06/30/13  
Graduation date: 06/30/2013

Fellowships

Orthopedic Trauma Fellow (Teaching)  
Warren Alpert Medical School  
Brown University  
Rhode Island Hospital  
Providence, Rhode Island

Fellowship director: Christopher T. Born, MD  
Dates of training: 07/01/13-6/30/14  
Graduation date: 06/30/2014

Orthopedic Spine Surgery Fellow  
-1<sup>st</sup> year Research / 2<sup>nd</sup> year Clinical  
Warren Alpert Medical School  
Brown University  
Rhode Island Hospital  
Providence, Rhode Island  
Fellowship director: Mark A Palumbo, MD  
Dates of training: 07/01/14-12/31/15  
Graduation date: 12/31/15

### POSTGRADUATE HONORS AND AWARDS

- 2002 National Society of Collegiate Scholars
- 2002 Psi Chi, National Honor Society in Psychology
- 2003 Distinction in General Scholarship: University of California Berkeley
- 2005 Phi Delta Theta Graduate Fellowship Award
- 2005 Betty Ford Center Summer Institute for Medical Students Scholarship
- 2007 *Alpha Omega Alpha*: 3rd year inductee
- 2008 School of Medicine Research Award: OHSU School of Medicine, Portland, OR
- 2008 *Cum Laude*: MD Degree: OHSU School of Medicine, Portland, OR
- 2012 Silver Traveling Fellowship: Surgical mission trip to Ghana treating spine deformity: Foundation of Orthopedics and Complex Spine (FOCOS)
- 2013 Haffenreffer House Staff Excellence Award: Rhode Island Hospital, Providence, Rhode Island
- 2013 Lucas/Palumbo Spine Achievement Award: Brown University, Department of Orthopaedics, Providence, Rhode Island
- 2013 Peter G. Trafton, MD Award for Outstanding Orthopaedic Trauma Research: Brown University, Department of Orthopaedics, Providence, Rhode Island
- 2013 John H. Moe Award winner: Best Basic Science Poster Presentation: Scoliosis Research Society 48th Annual Meeting, Lyon, France

- 2014 OrthoPediatric Educational Scholarship: Scoliosis Research Society 49th Annual Meeting, Anchorage, Alaska
- 2014 1<sup>st</sup> Place: Resident Writers Award: American Journal of Orthopedics
- 2015 AOA Top 10 Poster: 128<sup>th</sup> Annual Meeting of the American Orthopaedic Association, Providence, RI
- 2015 Best Papers- NASS Annual Meeting 2015: Development of Validated Computer-Based Preoperative Predictive Model for Proximal Junction Failure (PJF) Clinically Significant PJK With 86% Accuracy Based on 510 ASD Patients with Two-Year Follow-Up.
- 2016 AOSNA Best Resident Paper Research Award- LSRS Annual Meeting 2016: Impact of Sarcopenia on Post-Operative Morbidity and Mortality Following Lumbar Spine Surgery
- 2018 Best Papers: NASS Annual Meeting: Physician and Patient Factors Associated with Outcome of Spinal Epidural Abscess Related Malpractice Litigation.
- 2018 Best Poster Award: AAHKS Annual Meeting Matched Cohort Analysis of Total Hip Arthroplasty in Patients With and Without Parkinson's Disease: Complications, Mortality, Length of Stay, and Hospital Charges
- 2019 Top Poster Award: AOA Annual Meeting Opioid Limiting Legislation Effective in Decreasing Utilization Following Lumbar Spine Surgery
- 2020 Positive Champion of the Learning Environment Award Brown University, Alpert Medical School
- 2020 Luis A. Goldstein Award Nominee: Best Clinical Research E Poster SRS 55<sup>th</sup> Annual Meeting: Assessment of Lateral Thoracolumbar Listhesis as a Predictor of Disability in Adult Scoliosis Patients Prior to and Following Surgical Realignment Surgery
- 2020 Whitecloud Award for Best Clinical Paper: SRS 27<sup>th</sup> International Meeting on Advance Spine Techniques- Prospective Multicenter Assessment of Complication Rates Associated with Adult Cervical Deformity Surgery in 133 Patients with Minimum 1-year Follow-up
- 2021 Best Papers: 36<sup>th</sup> Annual Meeting of the North American Spine Society- Global coronal decompensation after adult spinal deformity surgery: comparison of upper vs lower thoracic proximal fixation
- 2021 Best Papers- 36<sup>th</sup> Annual Meeting of the North American Spine Society- Correcting ASD patients to normative alignment results in no functional benefit but more PJK and PJF

- 2021 NASS Value Award- 36<sup>th</sup> Annual Meeting of the North American Spine Society- Cost benefit of implementation of risk stratification models for adult spinal deformity surgery
- 2021 SRS Russell A. Hibbs Clinical Research Award- Comparison of patient factors (frailty) vs. surgical factors (invasiveness) for optimization of 2-year cost utility
- 2022 World Neurosurgery Editor's Choice Article- Malnutrition, Body Mass Index, and Associated Risk of Complications Following Posterior Lumbar Spine Fusion: A 3:1 Matched Cohort Analysis
- 2023 AAOS Annual Meeting Top Paper Award-Musculoskeletal Oncology- Treatment of Osteoporosis with Anabolic Agents and the Risk of Primary Bone Cancers
- 2023 2<sup>nd</sup> Place Top Paper Award: Rhode Island Orthopedic Society Annual Meeting - Crossing the Cervicothoracic Junction: A Biomechanical Investigation of Adjacent Segment Effects.
- 2024 AAOS Annual Meeting Best Paper Session San Francisco: Restoring L4-S1 Lordosis Shape in Severe Sagittal Deformity: Impact of Correction Techniques on Alignment and Complication Profile
- 2024 AAOS Annual Meeting Best Paper Session San Francisco: Testosterone Replacement Therapy is Associated with Increased Odds of Achilles Tendon Injury and Subsequent Surgery: A Matched Retrospective Analysis
- 2024 Spine Summit Las Vegas Best Abstract Presentation: Hip and Knee Osteoarthritis in Patients Undergoing Surgery for Severe Adult Spinal Deformity: Prevalence and Impact on Full Body Compensation Description
- 2024 NASS Annual Meeting Best Paper Session Chicago: Two-year revision and adjacent segment disease after degenerative spinal fusion and impact of segmental lordosis restoration.
- 2024 NASS Annual Meeting Best Paper Session Chicago: Epidemiology of recreation-related cervical and thoracic fracture.
- 2024 SRS Russell A. Hibbs Clinical Research Nomination- Assessment of Modern Iatrogenic Flatback Syndrome: Nearly 70% of Short Lumbar Fusions Had Undercorrection of L4-S1 Lordosis.
- 2024 World Neurosurgery Editor's Choice Article: Patient Reported Physical and Mental Health Outcomes Following Lumbar Spinal Fusion versus Total Hip and Total Knee Replacement

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

- 2013            Allopathic Physician License: Rhode Island (MD14163)  
                  -NPI: 1760642698
- 2013            American Board of Orthopaedic Surgery Part I: Passed  
                  -Score 228 (93<sup>rd</sup> Percentile)
- 2018            American Board of Orthopaedic Surgery Part II: Passed  
                  Board Certified (07/27/2018-12/21/2028)

### ACADEMIC APPOINTMENTS

Full Professor of Orthopedics (2024 – current)

Associate Professor of Orthopaedics (2018-2024)  
*-Teaching Scholar Track*  
Director, Spine Research/Spine Research Fellowship  
Director, Spine Surgery Fellowship  
Warren Alpert Medical School  
Brown University

Assistant Professor of Orthopaedics (2015-2018)

### HOSPITAL APPOINTMENTS

Chief, Division of Spine Surgery  
Chief, Adult Spinal Deformity Service  
Rhode Island Hospital / The Miriam Hospital

Staff Privileges:  
Rhode Island Hospital  
The Miriam Hospital  
Hasbro Children's Hospital  
Roger Williams Hospital

Clinical Quality Improvement Committee  
The Miriam Hospital: 2024 – Present

### OTHER APPOINTMENTS

#### EDITORIAL POSITIONS

- |              |          |                   |
|--------------|----------|-------------------|
| 2012-present | Reviewer | The Spine Journal |
| 2013-2015    | Reviewer | Hospital Practice |

2013-2015	Reviewer	PLOS One
2013-2018	Reviewer	Orthopedics
2013-2020	Reviewer	Clinical Orthopaedics and Related Research
2014-2017	Reviewer	The Physician and Sportsmedicine
2014-2015	Editorial Board	World Journal of Orthopedics
2014-2015	Resident Advisory Board	American Journal of Orthopedics
2015-2016	Editorial Board	American Journal of Orthopedics
2021-present	Advisory Editorial Board	Spine
2022-2023	Guest Editor	Journal of Clinical Medicine: Special Issues Spinal Disorders: Current Treatment and Future Opportunities, Part I and Part II
2023-2024	Associate Editor	North American Spine Society Journal

#### NATIONAL TRAINING COURSE FACULTY

New England Biosystems Rep Deformity Training, Mystic CT, November 2014.

SUNY/Brown University Alumni Meeting, Boston, MA, December 2014.

Basic Introduction to Concepts and Techniques in Spinal Deformity, Raynham, MA, September 2015.  
*-Course Chairman*

Fundamentals of Spine Surgery: A Course Exclusively for Senior Neurosurgical Residents &  
Orthopaedic Spine Fellows, Boston, MA, December 2015.

Depuy Synthes Spine SMART Lab, Raynham, MA, November 2015.  
*-Course Co-Chairman*

Orthofix Ivy Fellows MIS Spine Course, Boston, MA, April 1<sup>st</sup>, 2016.  
*-Course Chairman*

SIEDI Master Meeting Scoliosis, Boston, MA, October 24<sup>th</sup>, 2016  
*-Honored Guest/Scientific Coordinator*

Orthofix Atlas Forum- Deformity Summit, Seattle, WA, March 4<sup>th</sup>, 2017  
*-Invited Faculty*

Spineart Interactive Spine Summit Northeast Session, New York, NY, May 19<sup>th</sup>-20<sup>th</sup>, 2017

Deformity Rep Training (Stryker), Mahwah, New Jersey, August, 2017  
*-Course Chairman*

Spineart Interactive Spine Summit Northeast Session, New York, NY, June 1<sup>st</sup>-2<sup>nd</sup>, 2018.  
*-Course Faculty*

Brown-Harvard-Yale Hands-on Spine Cadaver Course, Cumberland, RI, June 8<sup>th</sup>-9<sup>th</sup>, 2018  
*-Course Co-Chairman*

Newport Spine Summit, Newport, RI, May 17<sup>th</sup>, 2019  
*-Course Chairman*

Brown-Harvard-Tufts-Yale Hands-on Comprehensive Spine Course, Cumberland, RI, May 31<sup>st</sup>-June 1<sup>st</sup>, 2019  
*-Course Co-Chairman*

1<sup>st</sup> Annual Brown Fall Spine Symposium 2020: Newport RI  
*-Course Chairman*

Brown Spine Surgery Alumni Meeting 2021: Mystic CT  
*-Course Chairman*

2<sup>nd</sup> Annual Brown Fall Spine Symposium 2021: Newport RI  
*-Course Chairman*

Brown Fellows Forum 2022: Manchester VT  
*-Course Chairman*

North American Spine Society Adult Spinal Deformity Surgical Techniques and Research from the ISSG to Improve Patient Outcomes 2022: Chicago, IL  
*-Course Faculty*

Medtronic Spine Resident and Fellows Spinal Deformity Course 2022- Las Vegas, NV  
*-Course Faculty*

3<sup>rd</sup> Annual Brown Fall Spine Symposium 2022: Newport, RI  
*-Course Chairman*

7<sup>th</sup> Annual Adult Spinal Deformity Symposium 2022: Seattle, WA (*virtual*)  
*-Course Faculty*

8<sup>th</sup> Annual International Spinal Deformity Symposium 2022: New York, NY  
*-Course Faculty*

2<sup>nd</sup> Annual Brown Winter Spine Symposium 2023: Bretton Woods, NH  
*-Course Chair*

23<sup>rd</sup> Annual Thomas Jefferson University Spine Fellows Alumni Symposium 2023  
*-Course Faculty*

Brown Neurosurgery-Orthopedics Cadaveric Spine Course Meeting 2023, Fall River, MA  
*-Course Faculty*

Brown Spine 15<sup>th</sup> Annual Meeting 2023, Newport, RI.  
*-Course Chair*

9<sup>th</sup> Annual International Spinal Deformity Symposium 2023: New York, NY  
*-Course Faculty*

CNS Annual Meeting, September 28 – October 2, 2024, Houston, TX.  
*-Course Faculty*

24<sup>th</sup> Annual Thomas Jefferson University Spine Fellows Alumni Symposium 2024  
*-Course Faculty*

9<sup>th</sup> Annual Skull to Sacrum Course, Manhattan, New York.  
*-Course Director*

10<sup>th</sup> Annual International Spinal Deformity Symposium 2024: New York, NY  
*-Course Faculty*

#### CONSULTANCY / DISCLOSURES/ POTENTIAL CONFLICTS OF INTEREST

2014-present	Osseus
2014-present	Stryker Spine
2015-present	Orthofix
2015	Depuy-Synthes Spine
2015	Globus Medical
2016-present	SpineArt
2018-present	Trans 1
2018-present	EOS
2018-2021	Southern Spine



2019-present      Medicrea/Medtronic  
2024-present      Spinal Alignment Solutions

**NATIONAL LEADERSHIP ROLES / COMMITTEES / FACULTY DEVELOPMENT**

2012-2013      AAOS Orthopaedic Residents Opinion Group (OROG): *Member*  
2013-2018      AOA Emerging Leaders Program  
2014             AOA Resident Leadership Forum: *Leadership Table Leader (6/17/2014)*  
2015             Scoliosis Research Society (SRS): *Website Content Review Working Group*  
2016-present    International Spine Study Group (ISSG): *Media/Website Committee Chairman*  
2017             SRS Core Curriculum Delphi: *Panel Member*  
2017-2019      SRS Website Committee: *Member*  
2017-2019      SRS Education Committee: *Member*  
2017             AOA-ASG Travelling Fellowship: *Local Host*  
2019             SRS Awards and Scholarship Committee: *Member*  
2020             Faculty Development Journal Club/Teaching Staff Meeting 1/30/2020  
2020             Resident Feedback Journal Club- Faculty Development Session 10/14/2020  
2021             iDS Intelligent Data Solutions Advisory Board  
2021-present    JBJS Clinical Classroom- Spine Section Head  
2024             SRS Safety and Value Committee: *Member*

**HOSPITAL COMMITTEES**

2010-2014      Rhode Island Hospital Ethics Committee: *Elected Committee Member*  
2016-present    Lifespan Information Service Perioperative Services User Group: *Member*  
2020-2021      Lifespan Spine Value Analysis Committee: *Member*

- 2021-2022 Radiology Stewardship Committee: *Member*
- 2022-2024 Miriam Medical Executive Committee (MEC): *Member*
- 2022-present Miriam Spine Program: *Medical Director*

#### UNIVERSITY COMMITTEES

- 2015, 2018, 2020 Brown University Orthopaedic Residency Program: *Application/Selection Committee*
- 2015-present Silver Traveling Fellowship Selection Committee: *Chair*
- 2017-2020 Brown University Medical School Admissions Committee: *Member*
- 2018-2020 Michael G. Ehrlich Ethiopia Mission Committee: *Chair*
- 2020 Brown University Spine Surgeon Search Committee: *Chairman*

#### OTHER COMMITTEES/LEADERSHIP ROLES

- 2002-2004 California Alpha Association, Berkeley CA: *Corporation Board Member*
- 2005-2006 Orthopaedic Surgery Interest Group (OHSU SOM): *Founder & Co-chair*
- 2006-2007 Medical School Student Council: *Secretary*
- 2012 ICE & Elevate (Geriatric Care Improvement Project): *Founder*
- 2012-2013 Brown University Orthopaedic Residency: *Executive Chief Resident*
- 2016-present University Orthopedics Inc, Advertising Committee: *Member*
- 2018-present University Orthopedics, Inc, Political Action Committee: *Member*
- 2019-present University Orthopedics, Inc, Finance Committee: *Member*
- 2019-2020 University Orthopedics, Inc, Ambulatory Surgical Center Committee: *Member*
- 2024-present University Orthopedics, Inc, Executive Committee: *Elected Member*

#### MEMBERSHIP IN SOCIETIES

- 2007-present AO Spine

- 2007-present      Alpha Omega Alpha (AOA) Honor Medical Society
- 2008-present      American Academy of Orthopaedic Surgeons (AAOS)
- 2012-present      North American Spine Society (NASS)
- 2014-present      International Spine Study Group (ISSG)
- 2016-present      Scoliosis Research Society (SRS)
- 2018-present      Lumbar Spine Research Society (LSRS)

### PUBLICATION LIST

#### ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS: *H-Index* = 52

- 1: Daniels AH, Arthur M, Hart RA. Variability in rates of arthrodesis procedures for patients with cervical spine injuries with and without associated spinal cord injury. *J Bone Joint Surg Am.* 2007 Feb;89(2):317-23. doi: 10.2106/JBJS.F.00790. PMID: 17272446.
- 2: Daniels AH, Arthur M, Hart RA. Variability in rates of arthrodesis for patients with thoracolumbar spine fractures with and without associated neurologic injury. *Spine (Phila Pa 1976).* 2007 Oct 1;32(21):2334-8. doi: 10.1097/BRS.0b013e31815574c5. PMID: 17906575.
- 3: Daniels AH, Wilson CL, Harrison RA. Hepatitis C-associated leukocytoclastic vasculitis with anticardiolipin antibodies causing penile necrosis and deep venous thrombosis in the absence of cryoglobulinemia. *J Hosp Med.* 2008 Mar;3(2):170-2. doi: 10.1002/jhm.261. PMID: 18438797.
- 4: Daniels AH, Riew KD, Yoo JU, Ching A, Birchard KR, Kranenburg AJ, Hart RA. Adverse events associated with anterior cervical spine surgery. *J Am Acad Orthop Surg.* 2008 Dec;16(12):729-38. doi: 10.5435/00124635-200812000-00005. PMID: 19056921.
- 5: Daniels AH, Deodhar AA, Hart RA. Traumatic spondyloptosis resulting from high-energy trauma concurrent with a tonic-clonic seizure. *Spine J.* 2009 Jan- Feb;9(1):e1-4. doi: 10.1016/j.spinee.2007.10.030. Epub 2007 Dec 21. PMID: 18082467.
- 6: Daniels AH, Jurgensmeier D, McKee J, Harrison MW, d'Amato CR. Acute celiac artery compression syndrome after surgical correction of Scheuermann kyphosis. *Spine (Phila Pa 1976).* 2009 Feb 15;34(4):E149-52. doi: 10.1097/BRS.0b013e3181918f05. PMID: 19214085.
- 7: Hart RA, Daniels AH, Bahney T, Tesar J, Sales JR, Bay B. Relationship of donor variables and graft dimension on biomechanical performance of femoral ring allograft. *J Orthop Res.* 2011 Dec;29(12):1840-5. doi: 10.1002/jor.21459. Epub 2011 May 16. PMID: 21590719.
- 8: Palumbo MA, Aidlen JP, Daniels AH, Thakur NA, Caiati J. Airway compromise due to wound hematoma following anterior cervical spine surgery. *Open Orthop J.* 2012;6:108-13. doi: 10.2174/1874325001206010108. Epub 2012 Mar 5. PMID: 22431955; PMCID: PMC3299954.

- 9: Daniels AH, Magee W, Badra M, Bay B, Hettwer W, Hart RA. Preliminary biomechanical proof of concept for a hybrid locking plate/variable pitch screw construct for anterior fixation of type II odontoid fractures. *Spine (Phila Pa 1976)*. 2012 Sep 1;37(19):E1159-64. doi: 10.1097/BRS.0b013e31824d4bab. PMID: 22322377.
- 10: Daniels AH, Kane PM, Ebersson CP, Born CT. Temporizing management of pediatric femur fractures using J-splints. *Orthopedics*. 2012 Sep;35(9):773-6. doi: 10.3928/01477447-20120822-05. PMID: 22955385.
- 11: Ruddell JH, Tang OY, Persaud B, Eltorai AEM, Daniels AH, Ng T. Thoracic surgery program websites: Bridging the content gap for improved applicant recruitment. *J Thorac Cardiovasc Surg*. 2021 Sep;162(3):724-732. doi: 10.1016/j.jtcvs.2020.06.131. Epub 2020 Jul 17. PMID: 32792155.
- 12: Daniels AH, Weiss AP. Subungual glomus tumor. *Med Health R I*. 2012 Oct;95(10):334. PMID: 23155853.
- 13: Daniels AH, Paller DJ, Koruprolu S, McDonnell M, Palumbo MA, Crisco JJ. Dynamic biomechanical examination of the lumbar spine with implanted total disc replacement using a pendulum testing system. *Spine (Phila Pa 1976)*. 2012 Nov 1;37(23):E1438-43. doi: 10.1097/BRS.0b013e31826b39d7. PMID: 22869057; PMCID: PMC3778666.
- 14: Thakur NA, Daniels AH, Schiller J, Valdes MA, Czerwein JK, Schiller A, Esmende S, Terek RM. Benign tumors of the spine. *J Am Acad Orthop Surg*. 2012 Nov;20(11):715-24. doi: 10.5435/JAAOS-20-11-715. PMID: 23118137.
- 15: Feller RJ, Cohen A, Palumbo MA, Daniels AH. Lumbar spinal stenosis: evaluation of information on the internet. *Med Health R I*. 2012 Nov;95(11):342-4. PMID: 23477277.
- 16: Daniels AH, Paller DJ, Feller RJ, Thakur NA, Biercevicz AM, Palumbo MA, Crisco JJ, Madom IA. Examination of cervical spine kinematics in complex, multiplanar motions after anterior cervical discectomy and fusion and total disc replacement. *Int J Spine Surg*. 2012 Dec 1;6:190-4. doi: 10.1016/j.ijsp.2012.07.002. PMID: 25694890; PMCID: PMC4300898.
- 17: Daniels AH, Paller DJ, Koruprolu S, Palumbo MA, Crisco JJ. Dynamic biomechanical examination of the lumbar spine with implanted total spinal segment replacement (TSSR) utilizing a pendulum testing system. *PLoS One*. 2013;8(2):e57412. doi: 10.1371/journal.pone.0057412. Epub 2013 Feb 25. PMID: 23451222; PMCID: PMC3581457.
- 18: Palumbo MA, Aidlen JP, Daniels AH, Bianco A, Caiati JM. Airway compromise due to laryngopharyngeal edema after anterior cervical spine surgery. *J Clin Anesth*. 2013 Feb;25(1):66-72. doi: 10.1016/j.jclinane.2012.06.008. Epub 2012 Dec 20. PMID: 23261648.
- 19: Daniels AH. Ghost-face cystic degeneration pattern of the odontoid process. *Spine J*. 2013 Feb;13(2):202-3. doi: 10.1016/j.spinee.2012.11.025. Epub 2012 Dec 21. PMID: 23265940.

- 20: Wang JH, Christino MA, Thakur NA, Palumbo MA, Daniels AH. Evaluation of the utility of the Wells score in predicting pulmonary embolism in patients admitted to a spine surgery service. *Hosp Pract* (1995). 2013 Feb;41(1):122-8. doi: 10.3810/hp.2013.02.1018. PMID: 23466975.
- 21: Palumbo MA, Bianco AJ, Esmende S, Daniels AH. Wrong-site Spine Surgery. *J Am Acad Orthop Surg*. 2013 May;21(5):312-20. doi: 10.5435/JAAOS-21-05-312. PMID: 23637150.
- 22: Daniels AH. International rotations during residency: spine deformity surgery in Ghana. *R I Med J* (2013). 2013 May 1;96(5):15-7. PMID: 23641456.
- 23: Young MD, Daniels AH, Evangelista PT, Reinert SE, Ritterman S, Christino MA, Thakur NA, Born CT. Predicting pulmonary embolus in orthopedic trauma patients using the Wells score. *Orthopedics*. 2013 May;36(5):e642-7. doi: 10.3928/01477447-20130426-29. PMID: 23672919.
- 24: Esmende SM, Daniels AH, Palumbo MA. Spinal cord compression after percutaneous kyphoplasty for metastatic compression fracture. *Spine J*. 2013 Jul;13(7):831-2. doi: 10.1016/j.spinee.2013.02.045. Epub 2013 Mar 21. PMID: 23523439.
- 25: Lee BJ, Christino MA, Daniels AH, Hulstyn MJ, Ebersson CP. Adolescent patellar osteochondral fracture following patellar dislocation. *Knee Surg Sports Traumatol Arthrosc*. 2013 Aug;21(8):1856-61. doi: 10.1007/s00167-012-2179-z. Epub 2012 Sep 15. PMID: 22983751.
- 26: Daniels AH, McDonnell M, Born CT, Hayda RA, Ehrlich MG, Trafton PG, Fischer SA, Digiovanni CW. Critical analysis of a trauma fellowship-modeled, six-year orthopaedic surgery training program. *J Bone Joint Surg Am*. 2013 Aug 7;95(15):e108. doi: 10.2106/JBJS.L.00988. PMID: 23925753.
- 27: Daniels AH, Sobel AD, Ebersson CP. Pediatric thoracolumbar spine trauma. *J Am Acad Orthop Surg*. 2013 Dec;21(12):707-16. doi: 10.5435/JAAOS-21-12-707. PMID: 24292927.
- 28: Eltorai AE, Daniels AH, Hayda RA, Adams CA Jr, Cosgrove GR, Born CT. Motorcycle helmet use in Rhode Island. *R I Med J* (2013). 2013 Dec 3;96(12):18-20. PMID: 24303509.
- 29: Eltorai AE, Daniels AH, Grauer JN, Browner BD, Born CT. Costs of non- helmeted motorcycle riding in Connecticut. *Conn Med*. 2014 Feb;78(2):91-3. PMID: 24741858.
- 30: Lemme NJ, Glasser JL, Yang DS, Testa EJ, Daniels AH, Antoci V. Chronic Obstructive Pulmonary Disease Associated with Prolonged Opiate Use, Increased Short-Term Complications, and the Need for Revision Surgery following Total Knee Arthroplasty. *J Knee Surg*. 2021 Sep 16. doi: 10.1055/s-0041-1733883. Epub ahead of print. PMID: 34530476.
- 31: Chodakiewitz YG, Daniels AH, Kamal RN, Weiss AP. Post-traumatic Raynaud's phenomenon following volar plate injury. *R I Med J* (2013). 2014 Apr 1;97(4):24-6. PMID: 24660212.
- 32: Kamal RN, Paci GM, Daniels AH, Gosselin M, Rainbow MJ, Weiss AP. Quality of internet health information on thumb carpometacarpal joint arthritis. *R I Med J* (2013). 2014 Apr 1;97(4):31-5. PMID: 24660214.

- 33: Daniels AH, DePasse JM, Magill ST, Fischer SA, Palumbo MA, Ames CP, Hart RA. The Current State of United States Spine Surgery Training: A Survey of Residency and Spine Fellowship Program Directors. *Spine Deform.* 2014 May;2(3):176-185. doi: 10.1016/j.jspd.2014.02.005. Epub 2014 May 8. PMID: 27927415.
- 34: Wang JH, Daniels AH, Palumbo MA, Ebersson CP. Cervical Traction for the Treatment of Spinal Injury and Deformity. *JBJS Rev.* 2014 May 27;2(5):e4. doi: 10.2106/JBJS.RVW.M.00108. PMID: 27500609.
- 35: Klinge SA, Vopat BG, Daniels AH, Bariteau JT, Rubin LE, Limbird R. Early catastrophic failure of trochanteric fixation with the Dall-Miles Cable Grip System. *J Arthroplasty.* 2014 Jun;29(6):1289-91. doi: 10.1016/j.arth.2014.01.001. Epub 2014 Jan 10. PMID: 24529942.
- 36: Daniels AH, DiGiovanni CW. Is subspecialty fellowship training emerging as a necessary component of contemporary orthopaedic surgery education? *J Grad Med Educ.* 2014 Jun;6(2):218-21. doi: 10.4300/JGME-D-14-00120.1. PMID: 24949124; PMCID: PMC4054719.
- 37: Eltorai AE, Ghanian S, Adams CA Jr, Born CT, Daniels AH. Readability of patient education materials on the american association for surgery of trauma website. *Arch Trauma Res.* 2014 Apr 30;3(2):e18161. doi: 10.5812/at.18161. PMID: 25147778; PMCID: PMC4139691.
- 38: Daniels AH, Grabel Z, DiGiovanni CW. ACGME Accreditation of Orthopaedic Surgery Subspecialty Fellowship Training Programs. *J Bone Joint Surg Am.* 2014 Jun 4;96(11):e94. doi: 10.2106/JBJS.M.01340. Epub 2014 Jun 4. PMID: 24897751.
- 39: Daniels AH, Daiello LA, Lareau CR, Robidoux KA, Luo W, Ott B, Hayda RA, Born CT. Preoperative cognitive impairment and psychological distress in hospitalized elderly hip fracture patients. *Am J Orthop (Belle Mead NJ).* 2014 Jul;43(7):E146-52. PMID: 25046191.
- 40: Pidgeon TS, Borenstein T, Daniels AH, Murali J, Hayda RA. Understanding Multiple Sclerosis: Essentials for the Orthopaedic Surgeon. *JBJS Rev.* 2014 Jul 15;2(7):e3. doi: 10.2106/JBJS.RVW.M.00120. PMID: 27490061.
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## ABSTRACTS

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29. Durand WM, **Daniels AH**, 14 authors, ISSG. Machine Learning Models to Predict Operative versus Non-operative Management of Adult Spinal Deformity Patients. Internation Meeting on Advanced Spinal Techniques, Amsterdam, Holland, July 19<sup>th</sup>, 2019.
30. Durand W, **Daniels AH**, et al. A data-driven approach to assessment of sagittal alignment: defining the spinopelvic ratio's impact on clinical outcomes in adult spinal deformity patients. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.



31. Durand W, **Daniels AH**, et al. Machine learning models to predict operative vs nonoperative management of adult spinal deformity patients. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
32. **Daniels AH**, 23 co-authors. Examination of Adult Spinal Deformity Patients Undergoing Surgery with and without Implanted Spinal Cord Stimulators and Intrathecal Pumps. Scoliosis Research Society, Virtual, September, 2020.
33. **Daniels AH**, Veeramani A. Predicting readmission following fusion for scoliosis in pediatric patient: a machine learning approach (self-paced podium). Scoliosis Research Society, St. Louis, MO, September, 2021.
34. Gupta MC, Lafage R, Gupta S, **Daniels AH**, 19 authors. Rod Failure Continues to plague the surgical treatment of adult spinal deformity. North American Spine Society Annual Meeting. Boston MA, October 2021.
35. **Daniels AH**, 8 co-authors. Overcorrection in Sagittal Alignment Effect on Optimal Outcomes in Adult Spinal Deformity Patients. Scoliosis Research Society 58<sup>th</sup> Annual Meeting; September 6-9, 2023; Seattle, WA
36. **Daniels AH**, 11 co-authors. What has Changed in the Last Ten Years for Spine Surgery Training? Residency and Spine Fellowship Program Directors Response to A Nationwide Survey 2013 vs 2023. Scoliosis Research Society 58<sup>th</sup> Annual Meeting; September 6-9, 2023; Seattle, WA
37. **Daniels AH**, 10 co-authors. Adult Spinal Deformity Correction in Parkinson's Disease Patients: Assessment of Surgical Complications, Reoperation and Cost. Scoliosis Research Society 58<sup>th</sup> Annual Meeting; September 6-9, 2023; Seattle, WA
38. **Daniels AH**, 27 co-authors. Restoring L4-S1 Lordosis Shape in Severe Sagittal Deformity: Impact of Correction Techniques on Alignment and Complication. American Academy of Orthopedic Surgeons 2024 Annual Meeting; February 12-16, 2024; San Francisco, CA.
39. **Daniels AH**. Assessment of Modern Iatrogenic Flatback Syndrome: Nearly 70% of Short Lumbar Fusions Had Undercorrection of L4-S1 Lordosis. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.
40. **Daniels AH**, et al. Fractional curve behavior following adult idiopathic scoliosis (AdIS) correction. NASS 39th Annual Meeting. September 25-28, 2024, Chicago, Illinois.

#### PODIUM PRESENTATIONS (BY CO-AUTHOR/STUDENT)

1. **Daniels AH**, Arthur M, Hart RA. Variability in rates of fusion procedures for patients with thoracolumbar spine fractures with and without associated spinal cord injury. The International Society for the Study of the Lumbar Spine, Bergen, Norway, June 13-17, 2006.

2. Lee BJ, Christino MA, **Daniels AH**, Ebersson CP. Pediatric osteochondral fractures of the patella. Eastern Orthopaedic Association 42nd Annual Meeting, Williamsburg, VA, October 20<sup>th</sup>, 2011.
3. Kamal RN, Paci G, **Daniels AH**, Gosselin M, Weiss APC. Quality of Internet Health Information on Thumb Carpometacarpal Joint Arthritis. American Academy of Orthopaedic Surgeons. Chicago, IL, March 22<sup>nd</sup>, 2013.
4. Wang J, Christino MA, Ritterman SA, Thakur NA, Rienert S, Palumbo MA, Born CT, Evangelista PT, **Daniels AH**. Evaluation of the utility of the Wells Score for predicting pulmonary embolus in patients admitted to the spine surgery service. Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 19<sup>th</sup>, 2013.
5. Ritterman SA, **Daniels AH**, Kane PM, Ebersson CP, Born CT. Temporizing Management of Pediatric Femur Fractures Utilizing J-Splints. Disaster Response Symposium at the Annual Meeting of the Pediatric Orthopaedic Society of North America (POSNA), Toronto, Ontario, May 2<sup>nd</sup>, 2013.
6. **Daniels AH**, Esmende S, Arthur M, Vigneswaran H, Palumbo MA. Assessment of the Rapid Increase in Incidence and Cost of Treating C2 Fractures in the United States from 2000-2010. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 14<sup>th</sup>, 2014.
7. **Daniels AH**, Esmende S, Arthur M, Vigneswaran H, Palumbo MA. Assessment of the Rapid Increase in Incidence and Cost of Treating C2 Fractures in the United States from 2000-2010. North American Spine Society 29<sup>th</sup> Annual Meeting, San Francisco, CA, November 12<sup>th</sup>, 2014.
8. Scheer JK, Smith JS, Schwab FJ, Lafage V, Shaffrey CI, Bess S, **Daniels AH**, Hart RA, Protosaltis TS, Mundis GM, Ailon T, Burton DC, Klineberg EO, Ames CP, International Spine Study Group. Development of a Preoperative Predictive Model for Intra- or Peri-Operative Major Complications with High Accuracy Validated with 558 ASD Patients. International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July 8<sup>th</sup>-11<sup>th</sup>, 2015.
9. Koller H, Mayer M, Meier O, Contac AG, **Daniels AH**, Hamilton KJ, Smith JS, Bess S, Klineberg EO, Ames CP, Schwab FJ, Hart RA, International Spine Study Group. Selecting Caudal Fusion Levels: Two Year Functional Outcomes with Matched Pairs Analysis in Multilevel Fusion to L5 versus S1. International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July 8<sup>th</sup>-11<sup>th</sup>, 2015.
10. Neuman BJ, Scheer JK, Ailon T, Klineberg EO, Sciubba DM, Jain A, Kim HJ, Zebala LP, Passias PG, **Daniels AH**, Burton DC, Protosaltis PG, Hamilton DK, Ames CP, International Spine Study Group. Development and Validation of a Novel Adult Spinal Deformity Surgical Invasiveness Score: Analysis of 464 Patients. International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July 8<sup>th</sup>-11<sup>th</sup>, 2015.
11. International Spine Study Group, Scheer JK, Smith JS, Schwab FJ, Lafage V, Schaffrey CI, Bess S, Hart RA, Gupta M, Protosaltis TS, Hostin R, Deviren V, Line B, **Daniels AH**, Diebo BG, Lafage R, Zebala LP, Mundis G, Jain A, Ailon T, Kim HJ, Hamilton DK, Burton DC, Klineberg EO, Ames CP. Development of Validated Computer Based Preoperative Predictive Model for

Proximal Junction Failure (PJF) or Clinically Significant PJK With 86% Accuracy Based on 510 ASD Patients With Two-Year Follow-Up. Annual Meeting of the North American Spine Society (NASS), Chicago, IL, October 14<sup>th</sup>-17<sup>th</sup>, 2015.

- Best Papers: Adjacent Segment and Junctional Complications

12. Garcia D, **Daniels AH**, Zega AM, Deckey DG, Kondo A, Jarrell JD, Ebersson CP, Green A, Hayda R, Born CT. Characterization of the Adherence Patterns and Biofilm Density of Commonly Encountered Bacterial Pathogens to Spinal Instrumentation of Differing Compositions. 50<sup>th</sup> Annual Meeting of the Scoliosis Research Society, Minneapolis, MN, October 2<sup>nd</sup>, 2015.
13. DePasse JM, Ahmed AK, Adams CA, Palumbo MA, **Daniels AH**. Stratified In-Hospital Costs of Elderly Odontoid Fractures by Treatment Modality. 2016 American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 1<sup>st</sup>-5<sup>th</sup>, 2016.
14. Rastegar F, Ailon T, Hamilton DK, Hart RA, Klineberg EO, Lafage V, Bess S, **Daniels AH**, Smith J, Shaffrey CI. Low Fusion Grade Does Not Impact Two-Year Health Related Quality of Life Unless Rod Fracture Occurs for Adult Spinal Deformity Lumbar Spine Research Society, Chicago, IL, April 14<sup>th</sup>, 2016.
15. Bokshan SL, Han AL, DePasee JM, Marcaccio SE, **Daniels AH**. Impact of Sarcopenia on Post-Operative Morbidity and Mortality following Lumbar Spine Surgery. Lumbar Spine Research Society, Chicago, IL, April 14<sup>th</sup>, 2016.
16. Rastegar F, Hamilton DK, Hiratzka J, Hiratzka S, Smith J, Bess S, Scheer J, **Daniels AH**, Lafage V, Hart RA. Perioperative Complications Do Not Affect Patient Satisfaction Following Adult Spinal Deformity Surgery. Lumbar Spine Research Society, Chicago, IL, April 14<sup>th</sup>, 2016.
17. Miller S, Donegan S, Eltorai AE, Voigt N, Machan J, **Daniels AH**, Shetty T. Transcranial Motor-Evoked Potentials for Prediction of Postoperative Neurologic Deficit Following Surgery for Thoracolumbar Scoliosis. Lumbar Spine Research Society, Chicago, IL, April 14<sup>th</sup>, 2016.
18. Bokshan SL, Han AL, DePasee JM, Marcaccio SE, **Daniels AH**. Impact of Sarcopenia on Post-Operative Morbidity and Mortality following Lumbar Spine Surgery. International Conference on Frailty and Sarcopenia Research, Philadelphia, PA, April 29<sup>th</sup>, 2016.
19. Ramchandran S, Protopsaltis TS, Sciubba DM, Scheer JK, **Daniels AH**, Passias PG, Lafage V, Kim HJ, Mundis GM, Klineberg EO, Hart RA, Smith JS, Shaffrey CI, Ames CP, International Spine Study Group. Upper Cervical and Infra-cervical Compensation in Cervical Deformity Patients. 23rd International Meeting on Advanced Spine Techniques (IMAST), Washington, D.C., USA, July 15th, 2016.
20. Miller EK, Jain A, **Daniels AH**, Neuman BJ, Soroceanu A, Ailon T, Sciubba SM, Bess S, Line B, Lafage V, Scheer JK, Kebaish KM, Smith JS, Ames CP, International Spine Study Group. Assessment of a Novel Adult Spinal Deformity (ASD) Frailty Index (ASD-FI) to Assist with Risk Stratification for ASD Surgery. Scoliosis Research Society, Prague, Czech Republic,

September 21<sup>st</sup>-24<sup>th</sup>, 2016. -Hibbs Award Nominee

21. Smith JS, Shaffrey CI, Kim, HJ, 10 authors, **Daniels AH**, 12 authors, ISSG. Outcomes of Operative Treatment for Adult Cervical Deformity: A Prospective Multicenter Assessment with One-Year Follow-Up. North American Spine Society, Boston, MA, October 27<sup>th</sup>, 2016.
22. Smith JS, Shaffrey CI, Kim HJ...10 authors, **Daniels AH**, ...12 authors, ISSG, Outcomes of Operative Treatment for Adult Cervical Deformity: A Prospective Multicenter Assessment with 1-Year Follow-Up. Cervical Spine Research Society, Toronto Canada, December 2<sup>nd</sup>, 2016.
23. Smith JS, Ailon TT, Shaffrey CI, Kim HJ, Mundis Jr. GM, Gupta MC, Klineberg E, Schwab F, Lafage V, Lafage R, Passias PG, Protopsaltis T, Neuman BJ, **Daniels AH**, Scheer JK, Soroceanu A, Kebaish K, Hart R, O'Brien MF, Burton DC, Deviren V, Albert T, Riew KD, Bess S, Ames CP, International Spine Study Group. 206 Outcomes of Operative Treatment for Adult Cervical Deformity: A Prospective Multicenter Assessment with One-year Follow-up. The Annual Meeting of The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves: Spine Summit 2017, Las Vegas, NV, March 8, 2017.
24. Miller EK, Ailon TT, Scheer JK, **Daniels AH**, Smith JS, Schwab F, Lafage V, Burton DC, Hart R, Bess S, Shaffrey CI, Ames CP, International Spine Study Group. Despite Higher Risk Stratification Scores, Frail Patients Achieve Greater Two-year Health Related Quality of Life Improvement from Baseline Compared to Non-frail Patients Following Adult Spinal Deformity Surgery. The Annual Meeting of The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves: Spine Summit 2017, Las Vegas, NV, March 8, 2017.
25. Miller EK, Ailon TT, Scheer JK, **Daniels AH**, Smith JS, Schwab F, Lafage V, Burton DC, Hart R, Bess S, Shaffrey CI, Ames CP, International Spine Study Group. Despite Higher Risk Stratification Scores, Frail Patients Achieve Greater Two-year Health Related Quality of Life Improvement from Baseline Compared to Non-frail Patients Following Adult Spinal Deformity Surgery. The Annual Meeting of The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves: Spine Summit 2017, Las Vegas, NV, March 8, 2017.
26. Deckey D, Zega A, Garcia DR, **Daniels AH**, Jarrell J, Ebersson CP, Born CT. Analysis of Growth and Biofilm Formation of Bacterial Pathogens on Frequently-Used Spinal Instrumentation. American Academy of Orthopaedic Surgeons, San Diego, CA, March 14<sup>th</sup>, 2017.
27. Shah KN, Walker G, DePasse JM, **Daniels AH**. Biomechanical comparison between titanium and cobalt chromium rods used in a pedicle subtraction osteotomy model. American Academy of Orthopaedic Surgeons, San Diego, CA, March 13-17<sup>th</sup>, 2017.
28. DePasse JM, Sargent R, Fantry AJ, Bokshan SL, Palumbo MA, **Daniels AH**. Risk Factors for Malpractice Litigation in Acute Compartment Syndrome. American Academy of Orthopaedic Surgeons, San Diego, CA, March 17<sup>th</sup>, 2017.
29. Shantharam G, DePasse JM, Eltorai AE, Palumbo MA, Durand WM, Reid D, Kuris EO, **Daniels AH**. Medical Malpractice following Spinal Epidural Abscess: A 30-year, Multi-database

- Investigation. North American Spine Society Annual Meeting, Orlando FL, October 26, 2017.
30. Passias PG, Horn SR, Poorman GW, **Daniels AH**...10 authors...ISSG. Clinical and Radiographic Outcomes of Patients with Cervical Deformity Secondary to Thoracolumbar Proximal Junctional Kyphosis. Cervical Spine Research Society Meeting, Hollywood, Florida, November 30, 2017.
  31. DePasse JM, Durand WM, Palumbo MA, **Daniels AH**. Incidence of Cervical Spine Injuries Sustained During Sporting Activities. Cervical Spine Research Society Meeting, Hollywood, Florida, November 30, 2017.
  32. Protopsaltis TS, ...5 authors, **Daniels AH**, ...8 authors, ISSG. Should targets for adult spinal deformity correction depend on pelvic incidence? American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6<sup>th</sup>, 2018.
  33. Gil JA, Bokshan SL, Genovese T, Got CJ, **Daniels AH**. Medical malpractice following carpal tunnel surgery. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6<sup>th</sup>, 2018.
  34. DePasse JM, Durand WM, Palumbo MA, **Daniels AH**. Incidence of Cervical Spine Injuries Sustained During Sporting Activities. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6<sup>th</sup>, 2018.
  35. Goodman A, Johnson J, **Daniels AH**, Kleiner JE, Gil JA, Hayda RA. The expanding use of arthroplasty for distal humerus fractures: a retrospective of 106,237 patient in the nationwide inpatient sample from 2002-2012. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 8<sup>th</sup>, 2018.
  36. Babu J, Johnson J, Eltorai A, Durand W, Patel S, **Daniels AH**. Recognition and management of emergent spinal pathology amongst first-line providers. New England Orthopedic Society, 2018 spring meeting, Harwich, MA, 06/2018
  37. Durand WM, Peters JL, Eltorai AEM, Kalagara S, Osband AJ, **Daniels AH**. Medical Crowdfunding for Organ Transplant Patients. American Transplant Congress (ATC), Seattle, WA, June 5<sup>th</sup>, 2018.
  38. Horn SR, 11 authors, **Daniels AH**, 8 authors, ISSG. Predicting Extended Operative Time and Length of Inpatient Stay in Cervical Deformity Corrective Surgery. North American Spine Society Annual Meeting. Los Angeles, CA, September 27<sup>th</sup>, 2018.
  39. Protopsaltis T, 4 authors, **Daniels AH**, 12 authors, ISSG. Surgical Outcomes in Rigid versus Flexible Cervical Deformities. North American Spine Society Annual Meeting. Los Angeles, CA, September 27<sup>th</sup>, 2018.
  40. **Daniels AH**, 14 authors, ISSG. Unaltered Upper Instrumented Vertebra Reduces Risk of Proximal Junctional Failure Following Surgery for Adult Spinal Deformity. North American

Spine Society Annual Meeting. Los Angeles, CA, September 27<sup>th</sup>, 2018.

41. Segreto F, 7 authors, **Daniels AH**, 10 authors, ISSG. Incidence of Acute, Progressive, and Delayed Proximal Junctional Kyphosis over an Eight-Year Period in Adult Spinal Deformity Patients. North American Spine Society Annual Meeting. Los Angeles, CA, September 27<sup>th</sup>, 2018.
42. Protopsaltis T, 4 authors, **Daniels AH**, 13 authors, ISSG. Successful Clinical Outcomes Following Surgery for Severe Cervical Deformity are Dependent Upon Achieving Sufficient Cervical Sagittal Alignment. North American Spine Society Annual Meeting. Los Angeles, CA, September 27<sup>th</sup>, 2018.
43. Haglin J, Eltorai AE, **Daniels AH**. Medicare Reimbursement Trends for General Surgery Procedures: 2000-2018. Annual Academic Surgical Congress, Houston TX, February 5<sup>th</sup>, 2019.
44. Kuris EO, Hogan W, Durand WM, Elitorai, **Daniels AH**. Trends and Outcomes in Cauda Equina Syndrome: An Analysis of Over 25,000 patients. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
45. Stekas N, 3 authors, **Daniels AH**, 13 authors, International Spine Study Group. Surgical Outcomes in Rigid Versus Flexible Cervical Deformities. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
46. Durand WM, Depasse JM, Kuris EO, Yang J, **Daniels AH**. Late-Presenting Dural Tear: Incidence, Risk Factors, and Associated Complications. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
47. Hartnett D, Eltorai A, **Daniels AH**. Foot Surgery-Related Malpractice. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
48. Passias PG, 9 authors, **Daniels AH**, 11 authors, International Spine Study Group, Incidence of Acute, Progressive, and Delayed PJK over an Eight-Year Period in Adult Spinal Deformity Patients. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
49. Depasse JM, Durand WM, **Daniels AH**. Predictors of Non-Neurologic Complications and Increased Length of Stay after Cervical Spine Osteotomy. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
50. Protopsaltis T, et al. The pelvic tilt response to ASD correction depends on PI, age and alignment. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
51. Haglin J, et al. An analysis of Medicare reimbursement rates in spine surgery: 2000-2018. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
52. Ruddell J, et al. Timing of surgery for thoracolumbar spine trauma: patients without neurological injury. Kuris E, et al. Timing of surgical decompression for cauda equina syndrome. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.

53. Neuman B, et al. Defining a surgical invasiveness threshold for major complications following adult spinal deformity surgery. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
54. Pierce K, et al. Prioritization of realignment associated with superior clinical outcomes for surgical cervical deformity patients. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
55. Harris A, et al. Factors associated with chronic opioid use in preoperative opioid nonusers following adult spinal deformity surgery. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
56. Protopsaltis T, et al. Spinopelvic alignment and successful outcomes following cervical deformity correction. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
57. Passias P, et al. Redefining cervical spine deformity classification through novel cut-offs: an assessment of the relationship between radiographic parameters and functional neurological outcomes. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
58. Pierce K, et al. Predictors of superior recovery kinetics in adult cervical deformity correction: an analysis using a novel area under the curve methodology. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
59. Yang DS, Cohen EM, **Daniels AH**. Gradient Boosted Machine Learning Modeling For 30-day Mortality Following Hip Fracture Surgery. 2020 Annual Meeting of the Orthopaedic Research Society (ORS), Phoenix, AZ, February 8-11, 2020.
60. Yang DS, Kucmarski AS, **Daniels AH**, Cohen EM. Machine Learning Modeling For Predicting Complications Following Total Hip Arthroplasty: The Importance of Perioperative Considerations. 2020 Annual Meeting of the Orthopaedic Research Society (ORS). Phoenix, AZ. February 8-11, 2020.
61. Risk Factors for Revision Following Anterior Cruciate Ligament Reconstruction in a Pediatric Population: A Prediction Algorithm. POSNA Annual Meeting. Dallas, Texas, May 12-15, 2021.
62. Hogan WB, **Daniels AH**, Vithiananthan S. Racial Disparities in the Surgical Treatment of Acute Cholecystitis. American College of Surgeons Clinical Conference 2021.
63. Hogan WB, **Daniels AH**, Vithiananthan S. Risk of PEG Tube Placement in Patients with Medical Comorbidity. New England Surgical Society Annual Meeting 2021.
- 64-70. 7 podium co-authorships, Scoliosis Research Society, Virtual, September, 2020.
- 71-81. 11 podium co-authorships. Scoliosis Research Society, St. Louis, MO, September, 2021.
- 82-96. 15 podium co-authorships. North American Spine Society, Boston, MA, October 2021

- 97-101. 5 podium co-authorships. AAOS Annual Meeting, San Diego, CA, September 2021
- 102-112. 11 podium co-authorships. AANS/CNS Spine Summit 2022, Las Vegas, NV, February 2022
- 113-115. 3 podium co-authorships. AAOS Annual Meeting, Chicago, IL, March 2022.
- 116-120. 5 podium co-authorships. IMAST, Miami, FL, April 2022
- 121-136. 15 podium co-authorships. SRS, Stockholm, Sweden, September 2022
- 137-152. 16 podium co-authorships. NASS, Chicago, IL, October, 2022.
153. Roy, S, Lavadi, RS, Agarwal, N, Alan, N, Ozpinar, A, Kuris E, **Daniels AH.**, Buell T, Hamilton DK Emergent Spinal Pathology in Pregnancy. American Association of Neurological Surgeons/Congress of Neurological Surgeons Joint Section on Disorders of the Spine & Peripheral Nerves Annual Meeting; March 16-19, 2023; Miami, FL.
- 154-158. 5 podium co-authorships. Scoliosis Research Society 58<sup>th</sup> Annual Meeting; September 6-9, 2023; Seattle, WA.
- 159-160. 2 podium co-authorships. North American Spine Society 38<sup>th</sup> Annual Meeting; October 18-21, 2023; Los Angeles, CA.
161. 1 podium co-authorship. American Academy of Orthopedic Surgeons 2024 Annual Meeting; February 12-16, 2024; San Fransisco, CA.
- 162-166. 5 podium co-authorships. International Spinal Deformity Symposium 9<sup>th</sup> Annual Meeting, December 1-2, 2023; New York, NY.
- 167-169. 3 podium co-authorships. AAOS Annual Meeting, San Fransisco, CA, February 2024.
- 170-171. 2 podium co-authorships. Spine Summit, Las Vegas, NV, February 2024.
172. 1 podium co-authorship. COA/CORS/CORA Annual Meeting. Nova Scotia, May 1st 2024.
- 173-174. 2 podium co-authorships. LSRS. Chicago, IL, May 2024.
175. **Daniels AH**, Singh, M, Balmaceno-Criss, M, Zhang, A. Comparative Analysis of ACDF and PCDF for Traumatic Cervical Facet Fractures/Dislocations: 90-Day Medical Complications, Surgical Outcomes, and Trends Over the Last Decade. CSRS Annual Meeting. Chicago, IL, December 11-14, 2024.
176. Mohammad Daher, BS; Andrew Xu, BS... Mariah Balmaceno-Criss, BS; **Daniels AH**, et al. Nomogram To Predict Unplanned Intensive Care Unit Admission Following Adult Spinal Deformity. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.



177. Mohammad Daher, BS; Abel De Varona-Cocero, BS; Mariah Balmaceno-Criss, BS, **Daniels AH**, et al. Impact Of Knee Osteoarthritis And Arthroplasty On Full Body Sagittal Alignment In Adult Spinal Deformity Patients. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

178. Marc Boutros, BS; Mohammad Daher, et al, **Daniels AH**. Contemporary Guidelines For Acetabular Positioning In Hip Arthroplasty May Jeopardize Hip Dislocation For Select Asd Patients. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

179. Zhang, H, Song, E, **Daniels AH**, Ahn, S. Trends in Utilization of Vertebroplasty vs. Kyphoplasty: 12-Year Longitudinal Analysis. SIR 2025 Annual Scientific Meeting. March 29 – April 2, 2025, Nashville, Tennessee

180. Tobi Onafowokan, MBBS; Ankita Das, BS; Jamshaid Mir, MD... 6 co-authors... Andrew Chen, BS; Neel Anand, MD; Bassel G. Diebo, MD, **Daniels AH**, et al, 15 co-authors. Factors Associated with Construct Failures in Adult Spine Deformity Patients Matching Ideal Roussouly Type. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

181. Andrew Kim, BS; Micheal Raad, MD; Richard Hostin, MD; Shay Bess, MD; Jeffrey L. Gum, MD; Breton G. Line, BS; Pratibha Nayak, PhD, MBA, MPH; Virginie Lafage, PhD; Renaud Lafage, MS; Kojo D. Hamilton, MD, FAANS; Peter G. Passias, MD; Themistocles S. Protopsaltis, MD; Lawrence G. Lenke, MD; Alex Soroceanu, MD, FRCS(C), MPH; Justin S. Smith, MD, PhD; Christopher P. Ames, MD; Bassel G. Diebo, MD; Eric O. Klineberg, MD, **Daniels AH**, et al, 8 co-authors. Creating Sustainability In Centers Performing High Volume Adult Spinal Deformity Surgery: Evaluation Of The Maryland All-payer Model. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

182. Peter G. Passias, MD; Ankita Das, BS; Justin S. Smith, MD, PhD; Renaud Lafage, MS; Bassel G. Diebo, MD, **Daniels AH**, et al, 31 co-authors. Optimization Is A Moving Target: A Continuous Modifiable Frailty Index Reflecting Optimization Prior To Complex Adult Spinal Deformity (Asd) Intervention. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

183. Jeffrey L. Gum, MD; Pratibha Nayak, PhD, MBA, MPH; Richard Hostin, MD; Breton G. Line, BS; Shay Bess, MD; Lawrence G. Lenke, MD; Renaud Lafage, MS; Justin S. Smith, MD, PhD; Jeffrey Mullin, MD; Michael P. Kelly, MD; Bassel G. Diebo, MD; Thomas J. Buell, MD; Justin K. Scheer, MD; Virginie Lafage, PhD; Eric O. Klineberg, MD; Han Jo Kim, MD; Peter G. Passias, MD; Khaled M. Kebaish, MD; Robert K. Eastlack, MD, **Daniels AH**, et al 9 co-authors. Impact Of Durability On Potential To Achieve Cost/Qaly Within The Willingness-to-pay (Wtp) Thresholds For Asd Surgery: It Is Impossible Unless We Avoid Reoperations. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

184. Virginie Lafage, PhD; Ayman Mohamed, MD; Christopher Katchis, MD, **Daniels AH**, et al, 16 co-authors. Beyond Kyphosis: Modes Of Failure At The Proximal Junction In Adult Spinal Deformity. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

185. Justin S. Smith, MD, PhD; David Ben-Israel, MD; Michael P. Kelly, MD; Virginie Lafage, PhD; Renaud Lafage, MS; Eric O. Klineberg, MD; Han Jo Kim, MD; Breton G. Line, BS; Themistocles S. Protopsaltis, MD; Peter G. Passias, MD; Robert K. Eastlack, MD; Gregory M. Mundis Jr., MD; K. Daniel Riew, MD; Khaled M. Kebaish, MD; Paul Park, MD; Munish C. Gupta, MD; Jeffrey L. Gum,

MD, **Daniels AH**, et al, 15 co-authors. The Gap Between Surgeon Goal And Achieved Sagittal Alignment In Adult Cervical Spinal Deformity (Csd) Surgery. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

186. Kojo D. Hamilton, MD, FAANS; Rohit P. Kumar, BA; Nitin Agarwal, MD; Lawrence G. Lenke, MD; Peter G. Passias, MD; Eric O. Klineberg, MD; Virginie Lafage, PhD; Shay Bess, MD; Justin S. Smith, MD, PhD; Jeffrey L. Gum, MD; Renaud Lafage, MS; Jeffrey Mullin, MD; Michael P. Kelly, MD; Bassel G. Diebo, MD; Thomas J. Buell, MD; Justin K. Scheer, MD; Breton G. Line, BS; Han Jo Kim, MD; Khaled M. Kebaish, MD; Raj S. Lavadi, MBBS; Robert K. Eastlack, MD; **Daniels AH**, et al, 9 co-authors. Which Complications Impact Satisfaction Among Patients With Adult Spinal Deformity (Asd)? SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

187. Nicholas S. Vollano, BS, MBS; Themistocles S. Protopsaltis, MD; Renaud Lafage, MS; Alex Soroceanu, MD, FRCS(C), MPH; Jeffrey L. Gum, MD; Munish C. Gupta, MD; Lawrence G. Lenke, MD; Kojo D. Hamilton, MD, FAANS; Justin S. Smith, MD, PhD; Robert K. Eastlack, MD; Gregory M. Mundis Jr., MD; Han Jo Kim, MD; Richard Hostin, MD; Khaled M. Kebaish, MD; Bassel G. Diebo, MD, **Daniels AH**, et al, 7 co-authors. Spine Shape Vs Alignment: Which Determines The Best Outcomes In Adult Spinal Deformity? SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

188. Renaud Lafage, MS; Jonathan C. Elysee, BS, **Daniels AH**, et al, 17 co-authors. Postoperative Thoracic Kyphosis Morphology Following Adult Spinal Deformity Surgery: An Analysis Of Fused And Unfused Segments. SRS 59th Annual Meeting. September 10-14, 2024, Barcelona, Spain.

189. Hassan FM, Sardar ZM, Lenke LG, Mohanty S, Passias P, Klineberg EO, Lafage V, Bess S, Smith JS, Hamilton DK, Gum JL, Lafage R, Mullin J, Kelly MP, Diebo B, Buell TJ, Scheer JK, Line B, Kim HJ, Kebaish K, Eastlack R, **Daniels AH**, Soroceanu A, Mundis G, Hostin R, Protopsaltis TS, Hart RA, Gupta M, Schwab FJ, Shaffrey CI, Ames CP, Burton D, International Spine Study Group. Increased Cell Saver to Blood Loss Ratio is Associated with a Higher Risk of Pulmonary Embolism After Adult Spinal Deformity Surgery. 32nd International Meeting on Advanced Spine Techniques (IMAST), Glasgow, Scotland. April 2-5, 2025.

#### POSTER / ELECTRONIC PRESENTATIONS

1. Wilson CL, **Daniels AH**, Harrison RH. Hepatitis C associated leukocytoclastic vasculitis with anticardiolipin antibodies causing penile necrosis and deep venous thrombosis in the absence of cryoglobulinemia: a case report. Northwest Regional Society of General Internal Medicine Meeting, Portland, OR, March 2nd 2007.
2. Wilson CL, **Daniels AH**, Harrison RH. Hepatitis C associated leukocytoclastic vasculitis with anticardiolipin antibodies causing penile necrosis and deep venous thrombosis in the absence of cryoglobulinemia: a case report. Annual Society of General Internal Medicine Meeting, Toronto, ON, April 26th 2007.
3. Larson DL, **Daniels AH**, Byrd GD, Hart RA. Effects of recombinant human bone morphogenic protein-2 (rhBMP-2) on the rat lung. American Academy of Orthopaedic Surgeons, New

Orleans, LA, March 10-13<sup>th</sup> 2010.

4. Hart RA, **Daniels AH**, Bahney T, Cabalo AE, Lanning K. Relationship of donor variables and graft dimension on biomechanical performance of femoral ring allograft. American Association of Tissue Banks 34th Annual Meeting, National Harbor MD, Sept 11-13th, 2010.
5. Hart RA, **Daniels AH**, Bahney T, Sales JR, Bay B. Relationship of donor variables and graft dimension on biomechanical performance of femoral ring allograft. Rhode Island Hospital 18<sup>th</sup> Annual Research Celebration, Providence, RI, October 21st, 2010.
6. **Daniels AH**, Koruprolu S, Paller DJ, Crisco JJ. Dynamic biomechanical examination of the lumbar spine with implanted total spinal segment replacement (TSSR) utilizing a pendulum system. Orthopaedic Research Society 2012 Annual Meeting, San Francisco, CA, February 3-7, 2012.
7. Hart RA, **Daniels AH**, Mummaneni PV, Line B, Lafage V, Akbarnia BA, Mundis GM, Bess S. Functional limitations due to lumbar stiffness correlate with age and SRS-22 scores in asymptomatic volunteers. Lumbar Spine Research Society, Chicago, IL, April 26-27<sup>th</sup>, 2012.
8. Hart RA, **Daniels AH**, Mummaneni PV, Hostin RA, Shaffre CI, Smith JS, Line B, Lafage V, Bess S. "Evaluation of self reported functional limitations due to lumbar stiffness in adult spinal deformity patients." Lumbar Spine Research Society, Chicago, IL, April 26-27<sup>th</sup>, 2012.
9. Lee BJ, Christino MA, **Daniels AH**, Hulstyn MJ, Ebersson CP. Pediatric patellar osteochondral fracture following patellar dislocation. Arthroscopy Association of North America 2012 Annual Meeting, Orlando, FL, May 17-19 2012.
10. Wang J, Christino MA, Ritterman SA, Thakur NA, Rienert S, Palumbo MA, Born CT, Evangelista PT, **Daniels AH**. Evaluation of the utility of the Wells Score for predicting pulmonary embolus in patients admitted to the spine surgery service. Rhode Island Hospital 20<sup>th</sup> Annual Research Celebration, Providence, RI, October 11th, 2012.
11. **Daniels AH**, Koruprolu S, Paller DJ, Crisco JJ. Dynamic biomechanical examination of the lumbar spine with implanted total spinal segment replacement (TSSR) utilizing a pendulum system. Rhode Island Hospital 20<sup>th</sup> Annual Research Celebration, Providence, RI, October 11th, 2012.
12. **Daniels AH**, Daiello LA, Badger J, Born CT, Hayda R, Ott BR, Szaro J, Cooper MR. Cognitive assessment following hip fracture in the elderly (CAFÉ study). Rhode Island Hospital 20<sup>th</sup> Annual Research Celebration, Providence, RI, October 11th, 2012.
13. **Daniels AH**, Feller RJ, Cohen A, Palumbo MA. Lumbar spinal stenosis: evaluation of information on the Internet. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 6-9<sup>th</sup>, 2013.
14. Wang J, Christino MA, Palumbo MA, Ritterman SA, Rienert S, Born CT, **Daniels AH**. Evaluation of the utility of the Wells Score for predicting pulmonary embolus in patients

admitted to the spine surgery service. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 6-9<sup>th</sup>, 2013.

15. Esmende S, **Daniels AH**, Koruprolu S, Paller D, Palumbo MA, Crisco JJ. Dynamic Biomechanical Examination of the Cervical Spine Using a Novel Pendulum System. International Society for Advancement of Spine Surgery (ISASS13), Vancouver, BC, Canada, April 3-5, 2013.
16. Wang J, Christino MA, Ritterman SA, Thakur NA, Rienert S, Palumbo MA, Born CT, Evangelista PT, **Daniels AH**. Evaluation of the utility of the Wells Score for predicting pulmonary embolus in patients admitted to the spine surgery service. International Society for Advancement of Spine Surgery (ISASS13), Vancouver, BC, Canada, April 3-5, 2013.
17. **Daniels AH**, Paller DJ, Kroluprolu S, McDonnell M, Palumbo MA, Crisco JJ. Damping of Oscillating Rotational Motion of the Lumbar Spine with and without Implanted Total Spinal Segment Replacement. International Society for Advancement of Spine Surgery (ISASS13), Vancouver, BC, Canada, April 3-5, 2013.
18. Young M, Christino MA, Ritterman SA, Thakur NA, Rienert S, Palumbo MA, Born CT, Evangelista PT, **Daniels AH**. Evaluation of the utility of the Wells Score for predicting pulmonary embolus in patients admitted to the orthopaedic trauma service. Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 19<sup>th</sup>, 2013.
19. **Daniels AH**, DePasse JM, Magill ST, Fischer S, Ames CP, Hart RA. Optimization of spine deformity surgery training: a national survey of residency and spine fellowship program directors. 20th International Meeting on Advanced Spine Techniques (IMAST), Vancouver, British Columbia, Canada, July 10-13th, 2013.
20. Daiello L, **Daniels AH**, Lareau C, Robidoux K, Luo W, CAFE Study Group. Association of unrecognized preoperative cognitive impairment with postoperative cognitive and functional outcomes in elderly people awaiting hip fracture repair. Alzheimer's Association International Conference 2013, Boston, Massachusetts, July 13-18<sup>th</sup>, 2013.
21. **Daniels AH**, DePasse JM, Magill ST, Fischer S, Ames CP, Hart RA. Optimization of spine deformity surgery training: a national survey of residency and spine fellowship program directors. 48th Scoliosis Research Society (SRS) Annual Meeting & Course, Lyon, France, September 18-21, 2013 -Winner: John H. Moe Award for Best Basic Science Poster Presentation.
22. McDonnell M, Paller DL, **Daniels AH**, Koruprolu S, Thakur NA, Palumbo MA. Biomechanical Analysis of Pedicle Screw Fixation Constructs for Stabilization of Thoracolumbar Burst Fractures. 28<sup>th</sup> Annual North American Spine Society (NASS) meeting, New Orleans, LA, October 9-12<sup>th</sup>, 2013.
23. **Daniels AH**, Daiello LA, Badger J, Born CT, Hayda R, Ott BR, Szaro J, Cooper MR. Preoperative cognitive impairment, pain, and psychological stress in hospitalized elderly patients awaiting surgery for hip fracture. 29<sup>th</sup> Annual Meeting of the Orthopaedic Trauma Association

(OTA), Phoenix, AZ, October 9 – 12th, 2013.

24. Esmende SM, **Daniels AH**, Paller DP, Kroluprolu S, Palumbo MA, Crisco JJ. Biomechanical Analysis of Volumetric Bone Mineral Density and Anterior Screw Fixation in a Type II Odontoid Fracture Model. 41<sup>st</sup> Annual Cervical Spine Research Society Meeting, December 5<sup>th</sup>-7<sup>th</sup>, 2013.
25. **Daniels AH**, DePasse M, Magill ST, Fischer S, Palumbo MA, Ames C, Hart RA. The Current State of US Spine Surgery Training: a Survey of Residency and Spine Fellowship Program Directors. 41<sup>st</sup> Annual Cervical Spine Research Society Meeting, Los Angeles, CA, December 5<sup>th</sup>-7<sup>th</sup>, 2013.
26. Bariteau JT, Grabel Z, **Daniels AH**, DiGiovanni CW. Prospective Analysis of a Novel Orthopaedic Residency Advocacy Education Program. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 11th-15<sup>th</sup>, 2014.
27. Esmende SM, **Daniels AH**, Paller DP, Kroluprolu S, Palumbo MA, Crisco JJ. Biomechanical analysis of volumetric bone mineral density and anterior screw fixation in an odontoid fracture model. 60<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, March 15<sup>th</sup>-18<sup>th</sup>, 2014.
28. Bariteau JT, Grabel Z, **Daniels AH**, Gotha H, DiGiovanni CW. Prospective Analysis of a Novel Orthopaedic Residency Advocacy Education Program. Council of Orthopaedic Residency Directors Conference (CORD), AOA/COA Combined Meeting, Montreal, Quebec, June 20th-21st, 2014.
29. **Daniels AH**, DePasse M, Magill ST, Fischer S, Palumbo MA, Ames C, Hart RA. The Current State of US Spine Surgery Training: a Survey of Residency and Spine Fellowship Program Directors. Council of Orthopaedic Residency Directors Conference (CORD), AOA/COA Combined Meeting, Montreal, Quebec, June 20th-21st, 2014.
30. Deckey DG, Fox HM, Kondo A, Hayda AV, Garcia DR, **Daniels AH**, Born CT. The Characterization of Biofilm Formation on Spinal Implants of Varying Compositions. Brown Summer Research Symposium, Providence, RI, September 7th, 2014.
31. Fox HM, Deckey DG, Kondo A, Hayda AV, Garcia DR, **Daniels AH**, Jarrell JD, Born CT. Visualization and Characterization of Bacterial Biofilm on Orthopaedic Trauma Explants. Brown Summer Research Symposium, Providence, RI, September 7th, 2014.
32. Fox HM, Deckey DG, Kondo A, Hayda AV, Garcia DR, **Daniels AH**, Jarrell JD, and Born CT. Visualization and Characterization of Bacterial Biofilm on Orthopaedic Trauma Explants. Lifespan Annual Research Celebration, Providence, RI, October 2<sup>nd</sup>, 2014.
33. Deckey DG, Fox HM, Kondo A, Hayda AV, Garcia DR, **Daniels AH**, Jarrell JD, and Born CT. Characterization of Biofilm Formation on Spinal Implants of Varying Compositions. Lifespan

Annual Research Celebration, Providence, RI, October 2<sup>nd</sup>, 2014.

34. Waryasz GR, Suric V, **Daniels AH**, Gil J, Ebersson CP. CrossFit® Instructor Demographics, Current Practice Trends and Common Injuries. Lifespan Annual Research Celebration, Providence, RI, October 2<sup>nd</sup>, 2014.
35. **Daniels AH**, Ames CP, Smith JS, Hart RA. Variability in spine surgery procedures performed during Orthopaedic and Neurological Surgery residency training: an analysis of ACGME case log data. North American Spine Society 29<sup>th</sup> Annual Meeting, San Francisco, CA, November 12<sup>th</sup>-15<sup>th</sup>, 2014.
36. **Daniels AH**, Grabel Z, Vigneswaran H, Ebersson CP, Palumbo MA. Surgical treatment of Pediatric Spinal Deformity in the United States from 1997 to 2009: An Analysis of 22,823 Patients. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 4-7<sup>th</sup>, 2015.
37. **Daniels AH**, Ames CP, Grabel Z, Smith JS, Hart RA. Variability in spine surgery procedures performed during Orthopaedic and Neurological Surgery residency training: an analysis of ACGME case log data. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 4-7<sup>th</sup>, 2015.
38. **Daniels AH**, Vigneswaran H, Ebersson CP, Palumbo MA. Surgical treatment of Pediatric Spinal Deformity in the United States from 1997 to 2009: An Analysis of 22,823 Patients. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, March 24<sup>th</sup>-27<sup>th</sup>, 2015.
39. Hart RA, DePasse JM, **Daniels AH**. Failure to Launch: What the Rejection of Lumbar Total Disc Replacement Tells Us About American Spine Surgery. Lumbar Spine Research Society, Chicago, IL, April 9<sup>th</sup>-10<sup>th</sup>, 2015.
40. **Daniels AH**, Vigneswaran H, Ebersson CP, Palumbo MA. Pediatric Spinal Deformity Surgery in the United States: Surgical Approach, Complications, and Hospital Charges From 1997 To 2012. Annual Meeting of the Pediatric Orthopaedic Society of North America, Atlanta, GA, April 29<sup>th</sup>-May 2<sup>nd</sup>, 2015.
41. Miller S, Vigneswaran H, Merritt A, Ebersson CP, Palumbo MA, **Daniels AH**. Nonwhite Patients Incur Greater Hospital Charges and Have Greater Length of Stay Compared to White Patients Following Surgical Treatment of Adult Spinal Deformity. RI ACP 2015 Resident/Fellow Forum Competition. Pawtuxet, RI, May 7<sup>th</sup>, 2015.
42. Deckey DG, Zega A, Fox HM, Konda A, Garcia D, **Daniels AH**, Ebersson C, Jarrell JD, Born CB. A Silver-Doped TiO<sub>2</sub>-PDMS Hybrid Coating to Deter Infection in Orthopaedic Surgery. Brown Public Health Research Day. Providence, RI, April 16<sup>th</sup>, 2015.

43. Eltorai AE, **Daniels AH**. Readability of American Academy of Orthopaedic Surgeons' online patient education materials. 128<sup>th</sup> Annual Meeting of the American Orthopaedic Association, Providence, RI, June 24<sup>th</sup>-27<sup>th</sup>, 2015.  
-AOA Top 10 Poster Selection
44. **Daniels AH**, Shah K, Vigneswaran H, Ebersson CP, Palumbo MA. Complication Rates and Cost of Pediatric Spinal Deformity Surgery in the United States from 1997 to 2012. 128<sup>th</sup> Annual Meeting of the American Orthopaedic Association, Providence, RI, June 24<sup>th</sup>-27<sup>th</sup>, 2015.
45. Klineberg E, Iyer S, Zebala LP, Kelly MP, Hart, RA, Gupta M, Hamilton DK, Mundis GM, Sciubba D, Ames CP, **Daniels AH**, Smith J, Lafage V, Burton D, Kim HJ. Dural Tears do not Affect Outcomes or Rates of Other Associated Complications in Adult Spinal Deformity Surgery. 30<sup>th</sup> Annual North American Spine Society (NASS) meeting, Chicago, IL, October 14-18<sup>th</sup>, 2015.
46. International Spine Study Group, Smith JS, Lafage V, Shaffrey CI, 10 others, **Daniels AH**, 6 others, Ames CP. Prospective Multicenter Assessment of Early Complication Rates Associated with Adult Cervical Deformity Surgery in 78 Patients. 30<sup>th</sup> Annual North American Spine Society (NASS) meeting, Chicago, IL, October 14-18<sup>th</sup>, 2015.
47. Grabel Z, Vigneswaran H, Ebersson CP, Palumbo MA, **Daniels AH**. Postoperative Transfusion Rates, Complications, and Hospital Charges Following Surgical Treatment of Adolescent Idiopathic Scoliosis in the United States from 1997 to 2012. 30<sup>th</sup> Annual North American Spine Society (NASS) meeting, Chicago, IL, October 14-18<sup>th</sup>, 2015.
48. Eltorai ADM, Sinha I, Kalagara S, **Daniels AH**. Readability of patient education materials on the British Society for Surgery of the Hand website. British Society for Surgery of the Hand Autumn Meeting, London England, October 15<sup>th</sup>-16<sup>th</sup>, 2015.
49. Merritt AC, Vigneswaran H, Miller S, DePasse JM, Shah K, Ebersson CP, Palumbo MA, **Daniels AH**. Obese Adult Spinal Deformity Patients with Complications have Lower Hospital Charges and Length of Stay than Non-obese Patients. 23<sup>rd</sup> Hospitals Research Symposium, Providence, RI October 29<sup>th</sup>, 2015.
50. Eltorai AEM, Naqvi SS, Ghanian S, Ebersson CP, Weiss APC, Born CT, **Daniels AH**. Readability of Invasive Procedure Consent Forms. 23<sup>rd</sup> Hospitals Research Symposium, Providence, RI October 29<sup>th</sup>, 2015.
51. Gil JA, Waryasz GR, Liu D, **Daniels AH**. Influence of Medical Student Debt on Career Choice. 23<sup>rd</sup> Hospitals Research Symposium, Providence, RI October 29<sup>th</sup>, 2015.
52. Gil JA, Park S, **Daniels AH**. Variability in United States Allopathic Medical School Tuition. 23<sup>rd</sup> Hospitals Research Symposium, Providence, RI, October 29<sup>th</sup>, 2015.
53. Gil J, **Daniels AH**, Akelman EA. Resident Exposure to Peripheral Nerve Surgical Procedures During Residency Training, American Association for Hand Surgery Annual Meeting,

Scottsdale, AZ, January 13<sup>th</sup>-16<sup>th</sup>, 2016.

54. Gil J, Eltorai AEM, Weiss APC, **Daniels AH**. Variability in Surgical Case Volume of Orthopaedic Surgery Residents from 2007-2013. ACGME Annual Educational Conference, National Harbor, MD, February 24<sup>th</sup>-28<sup>th</sup>, 2016.
55. DePasse JM, Palumbo MA, Ebersson CP, **Daniels AH**. Academic Characteristics of Orthopaedic Surgery Residency Applicants from 2007 to 2014. 2016 American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 1<sup>st</sup>-5<sup>th</sup>, 2016.
56. Garcia D, **Daniels AH**, Zega AM, Deckey DG, Kondo A, Jarrell JD, Ebersson CP, Green A, Hayda R, Born CT. Characterization of the Adherence Patterns and Biofilm Density of Commonly Encountered Bacterial Pathogens to Spinal Instrumentation of Differing Compositions. Orthopaedic Research Society 2016 Annual Meeting, Orlando, FL, March 5<sup>th</sup>-8<sup>th</sup>, 2016.
57. Rastegar F, Contag A, **Daniels AH**, Hiratzka J, Lin C, Chang J, Than K, Raslan A, Kong C, Nguyen N, Hostin R, Robert Hart. Proximal Junctional Failure Severity Scale (PJFSS); inter- and intra-observer reliability. Lumbar Spine Research Society, Chicago, IL, April 14<sup>th</sup>, 2016.
58. Rastegar F, Contag A, **Daniels AH**, Hiratzka J, Lin C, Than K, Raslan A, Kong C, Nguyen N, Hart RA. Proximal Junctional Kyphosis: Inter- and Intra-observer reliability in Adult Spinal Deformity. Lumbar Spine Research Society, Chicago, IL, April 14<sup>th</sup>, 2016.
59. DePasse JM, Palumbo MA, Hart RA, **Daniels AH**. Early Subspecialization in Orthopedic Spine Surgery Training. Lumbar Spine Research Society, Chicago, IL, April 14<sup>th</sup>, 2016.
60. Sargent R, DePasse JM, Palumbo MA, **Daniels AH**. Predictive Factors in Compartment Syndrome Malpractice Litigation. 2016 AOA Annual Meeting, Seattle, WA, June 22<sup>nd</sup>-25<sup>th</sup>, 2016.
61. DePasse JM, Palumbo MA, Hart RA, **Daniels AH**. Early Subspecialization in Orthopedic Spine Surgery Training. Council of Orthopaedic Residency Directors Conference (CORD), AOA/COA Combined Meeting, Seattle, WA, June 24<sup>th</sup>-25<sup>th</sup>, 2016.
62. Gil J, Owens, B, **Daniels AH**. Variability of Arthroscopy Case Volume in Orthopaedic Surgery Residency. Council of Orthopaedic Residency Directors Conference (CORD), AOA/COA Combined Meeting, Seattle, WA, June 24<sup>th</sup>-25<sup>th</sup>, 2016.
63. Ramchandran S, Protopsaltis TS, Sciubba DM, Scheer JK, **Daniels AH**, Passias PG, Lafage V, Kim HJ, Mundis GM, Klineberg EO, Hart RA, Smith JS, Shaffrey CI, Ames CP, International Spine Study Group. International Spine Study Group. Upper Cervical and Infra-cervical Compensation in Cervical Deformity Patients. Scoliosis Research Society, Prague, Czech Republic, September 21<sup>st</sup>-24<sup>th</sup>, 2016.
64. Hamilton DK, Buza J, Passias P, 7 authors, **Daniels AH**, 6 authors, ISSG. The Fate of Adult Spinal Deformity (ASD) Patients Incurring Rod Fracture after Thoracolumbar Fusion without



- Prior Three-Column Osteotomy. North American Spine Society, Boston MA, October 26<sup>th</sup>-28<sup>th</sup>, 2016.
65. **Daniels AH**, Line B, Lafage V, 10 authors, ISSG. When Do Surgeons Choose Upper Thoracic versus Lower Thoracic Proximal End Point for Fusion of Adult Spinal Deformity Patients? North American Spine Society, Boston MA, October 26th-28th, 2016.
66. Smith JS, Line B, Bess S, Shaffrey CI, Kim HJ, Mundis G, Scheer JK, Klineberg E, O'Brien M, Hostin R, Gupta M, **Daniels AH**, Kelly M, Gum JL, Schwab FJ, Lafage V, Lafage R, Ailon T, Passias P, Protosaltis T, Albert TJ, Riew KD, Hart R, Burton D, Deviren V, Ames CP, ISSG. The health impact of adult cervical deformity in patients presenting for surgical treatment: comparison to United States population norms and chronic disease states based on the EQ-5D. North American Spine Society, Boston MA, October 26th-28th, 2016.
67. Smith JS, Shaffrey CI, Kim HJ, 10 authors, **Daniels AH**, 12 authors, ISSG. Outcomes of Operative Treatment for Adult Cervical Deformity: A Prospective Multicenter Assessment with One-Year Follow-Up. North American Spine Society, Boston MA, October 26th-28th, 2016.
68. Miller E, Neuman BJ, Sciubba DM, 3 authors, **Daniels AH**, 7 authors, ISSG. Comparison of Frailty Based on Cervical and Global SVA Classification. North American Spine Society, Boston MA, October 26th-28th, 2016.
69. Miller EK, Jain A, **Daniels AH**, Neuman BJ, Soroceanu A, Ailon T, Sciubba SM, Bess S, Line B, Lafage V, Scheer JK, Kebaish KM, Smith JS, Ames CP, International Spine Study Group. Assessment of a Novel Adult Spinal Deformity (ASD) Frailty Index (ASD-FI) to Assist with Risk Stratification for ASD Surgery. North American Spine Society, Boston MA, October 26th-28th, 2016.
70. Miller S, Donegan S, Voigt N, Eltorai A, **Daniels AH**, Shetty T. Transcranial Motor-Evoked Potentials for Prediction of Postoperative Neurologic Deficit Following Surgery for Thoracolumbar Scoliosis. North American Spine Society, Boston MA, October 26th-28th, 2016.
71. Ruttiman, R, Eltorai AEM, DePasse JM, Palumbo MA, **Daniels AH**. Cervical Spine Malpractice Litigation. Cervical Spine Research Society, Toronto Canada, December 2<sup>nd</sup>, 2016.
72. Bokshan SL, Ruttiman R, Eltorai AEM, DePasse JM, Palumbo MA, **Daniels AH**. Factors Associated with Outcome of Litigation Following Total Hip and Knee Arthroplasty. American Academy of Orthopaedic Surgeons, San Diego, CA, March 17th, 2017.
73. Bokshan SL, Ruttiman R, Eltorai AEM, DePasse JM, **Daniels AH**, Owens BD. Epidemiology and Factors Associated with Physician Loss in Anterior Cruciate Ligament Reconstruction Malpractice Lawsuits. American Academy of Orthopaedic Surgeons, San Diego, CA, March 17th, 2017.
74. Durand W, Johnson J, Li N, Eltorai AEM, Depasse JM, **Daniels AH**. Hospital Teaching Status and Ownership Affect Perioperative Outcomes Following Lumbar Spinal Fusion. Lumbar Spine

Research Society, Chicago, IL, April 6<sup>th</sup>, 2017.

75. DePasse JM, Nzeogu MI, Travers C, Mulcahey MK, Palumbo MA, Marsh JL, Hart R, **Daniels AH**. Early Subspecialization in Orthopaedic Surgery Training. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
76. Kleiner J, Eltorai AEM, Rubin LE, **Daniels AH**. Matched Cohort Analysis of Total Knee Arthroplasty in Patients with and without Parkinson's Disease: Complications, Mortality, Length of Stay, and Hospital Charges. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
77. Kleiner J, Eltorai AEM, **Daniels AH**. Matched Cohort Analysis of Elective Lumbar Spinal Fusion in Patients with and without Parkinson's Disease: Complications, Length of Stay, and Hospital Charges. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
78. DePasse JM, Ruttiman R, Eltorai AEM, Palumbo MA, **Daniels AH**. Assessment of Malpractice Claims due to Spinal Epidural Abscess. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
79. Bokshan SL, Ruttiman R, Eltorai AEM, DePasse JM, **Daniels AH**, Owens BD. Factors Associated with Physician Loss in ACL Reconstruction Malpractice Lawsuits. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
80. DePasse JM, Haglin J, Eltorai AEM, Mulcahey M, Ebersson C, **Daniels AH**. Orthopedic In-Training Examination Question Metrics and Resident Test Performance. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
81. Ruttiman R, Eltorai AEM, DePasse JM, Brea Bielsky, **Daniels AH**, Palumbo MA. Malpractice Litigation Following Spine Surgery. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
82. Bokshan SL, Ruttiman R, Eltorai AEM, DePasse JM, Antoci V, **Daniels AH**. Factors Associated with Outcome of Litigation Following Total Hip and Knee Arthroplasty. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
83. Bokshan SL, Marcaccio S, DePasse JM, Iyengar R, Eltorai AEM, **Daniels AH**. Inpatient Costs and Blood Transfusion Rates of Sarcopenic Patients Following Thoracolumbar Spine Surgery. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
84. Bokshan SL, Han A, DePasse JM, Eltorai AEM, Marcaccio S, Palumbo MA, **Daniels AH**. Impact of Sarcopenia on Post-Operative Morbidity and Mortality Following Thoracolumbar Spine Surgery. The American Orthopaedic Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.
85. **Daniels AH**, Eltorai AEM, Baird GL, Yanney K, Marsh JL, Hart R. AOA Critical Issues: The Importance of Mentorship during Orthopaedic Surgery Residency. The American Orthopaedic

Association 2017 Meeting, Charlotte, NC, June 20-24, 2017.

86. Goodman AD, Johnson JP, **Daniels AH**, Kleiner J, Gil JA, Hayda RA. Fixation, Arthroplasty, and Conservative Management of Proximal Humerus Fractures: An Analysis of 468,922 Patients from 2002-2012. iPoster presentation at: American Society for Surgery of the Hand (ASSH) , San Francisco, CA, 2017.
87. Goodman AD, Johnson JP, Kleiner J, Gil JA, **Daniels AH**. The Expanding Use of Arthroplasty for Distal Humerus Fractures: Management of 106,237 Patients from 2002-2012. iPoster presentation at: American Society for Surgery of the Hand (ASSH), San Francisco, CA, 2017.
88. Raad M, Gupta M...7 authors...**Daniels AH**...5 authors, ISSG. The S2AI Technique Has a Lower Complication Rate Compared to Iliac Screws: A Multicenter Study of 418 Adult Spinal Deformity Patients. Scoliosis Research Society, Philadelphia, PA, September 2017.
89. Miller SM, DePasse JM, Marcaccio S, Kalagra S, Eltorai AE, Palumbo MA, **Daniels AH**. Predictors of increasing hospital costs following adult spinal deformity surgery. American College of Surgeons, San Diego, CA, October 22, 2017.
90. DePasse JM, Durand WM, Palumbo MA, **Daniels AH**. Timing of Complications following Posterior Cervical Fusion. Cervical Spine Research Society Meeting, Hollywood, Florida, November 2017.
91. Mayfield C, ...3 authors, **Daniels AH**, Ebersson C, Green A, Born CT. Early adherence and biofilm formation of P. Acnes on material of orthopaedic relevance. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6-10<sup>th</sup>, 2018.
92. Bokshan SL, Depasse JM, Eltorai AE, **Daniels AH**. Inpatient costs and blood transfusion rates of sarcopenic patients following thoracolumbar spine surgery. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6-10<sup>th</sup>, 2018.
93. Depasse JM, Durand WM, Palumbo MA, **Daniels AH**. Timing of complications following posterior cervical fusion. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6-10<sup>th</sup>, 2018.
94. Kleiner JE, Eltorai AE, Rubin LE, **Daniels AH**. Matched cohort analysis of total knee arthroplasty in patients with and without Parkinsons disease: complications, mortality, length of stay, and hospital charges. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6-10<sup>th</sup>, 2018.
95. Passias P...13 authors, **Daniels AH**...2 authors, ISSG. The relationship between improvements in myelopathy and sagittal alignment in cervical deformity surgery. American Academy of Orthopaedic Surgeons, New Orleans, LA, March 6-10<sup>th</sup>, 2018.
96. Passias PG, 5 authors, **Daniels AH**, 10 authors, ISSG. Probability of Severe Frailty Development Among Operative and Nonoperative Adult Spinal Deformity Patients: An Actuarial Survivorship Analysis Over a Three Year Period. North American Spine Society Annual Meeting. Los

Angeles, CA, September 27<sup>th</sup>, 2018.

97. Kalagara S, Kuris EO, Eltorai A, DePasse JM, **Daniels AH**. Predictive Factors of Positive Online Patient Ratings of Spine Surgeons. North American Spine Society Annual Meeting. Los Angeles, CA, September 27<sup>th</sup>, 2018.
98. Johnson J, Babu J, Durand W, Eltaorai A, Patel S, **Daniels AH**. Recognition and Management of Emergent versus Nonemergent Spinal Pathology Amongst First-Line Providers. North American Spine Society Annual Meeting. Los Angeles, CA, September 27<sup>th</sup>, 2018.
99. Kleiner J, Eltorai AE, Rubin L, **Daniels AH**. Matched Cohort Analysis of Total Hip Arthroplasty in Patients With and Without Parkinson's Disease: Complications, Mortality, Length of Stay, and Hospital Charges. AAHKS Annual Meeting, Dallas TX, November 1-4<sup>th</sup>, 2018.
100. Li NY, Kalagara S, Hershey A, Eltorai, **Daniels AH**, Cruz AI. Racial and Economic Disparities in the Open Treatment of Pediatric Extremity Fractures. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
101. Reid D, Shah K, Altorai AE, Got CJ, **Daniels AH**. Epidemiology of finger amputations in the United States from 1997 to 2016. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
102. Durand WM, Depasse JM, Bokshan SL, Eltaorai AE, **Daniels AH**. Tobacco Use and Complications Following Spinal Fusion: A Comparison of the NSQIP and NIS Datasets. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
103. Ahmed S, Naqvi SJ, Eltorai AE, Defroda S, **Daniels AH**. Factors Associated with Fracture-related Malpractice Litigation. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
104. Durand WM, Goodman A, Johnson J, **Daniels AH**. Assessment of 30-day Mortality and Complication Rates Associated with Extended Deep Vein Thrombosis Prophylaxis Following Hip Fracture Surgery. American Academy of Orthopedic Surgeons, Las Vegas, NV, March 12th, 2019.
105. Reid D, Shah K, Akelman EA, **Daniels AH**. Opioid Limiting Legislation Effective in Decreasing Utilization Following Lumbar Spine Surgery. American Orthopaedic Association 132<sup>nd</sup> Annual Meeting, San Diego, CA, June 25-29<sup>th</sup>, 2019.
106. Shah KN, Reid DR, Ruddell J, Shapiro B, **Daniels AH**, Akelman E. Opioid-Limiting Legislation and Hand Surgery. American Society for Surgery of the Hand (ASSH) Annual Meeting. Las Vegas, NV, USA. September 5-7, 2019.
107. Goodman AD, Li NY, Elia GF, Shah KN, Akelman E, **Daniels AH**. Risk Factors and Complications Associated with Prolonged Opioid Use Following Surgical Management of Thumb Carpometacarpal Arthritis. American Society for Surgery of the Hand (ASSH) Annual

Meeting 2019, Las Vegas, NV.

108. Durand WM, **Daniels AH**, 15 authors, ISSG. Neural Network Utilization for the Automated Extraction of Schwab Modifiers from Plain Radiographs in Adult Spinal Deformity Patients. International Meeting on Advanced Spinal Techniques, Amsterdam, Holland, July 18-20<sup>th</sup>, 2019.
109. Rudell J, DePasse JM, Tang O, **Daniels AH**. Timing of Surgery for Thoracolumbar Spine Trauma: Patients without Neurologic Injury. International Meeting on Advanced Spinal Techniques, Amsterdam, Holland, July 18-20<sup>th</sup>, 2019.
110. Haglin JM, 5 authors, **Daniels AH**. An Analysis of United States Medicare Reimbursement Rates for Spine Surgery: 2010-2018. International Meeting on Advanced Spinal Techniques, Amsterdam, Holland, July 18-20<sup>th</sup>, 2019.
111. Passias P, et al. Defining symptomatic versus radiographic distal junctional kyphosis after cervical deformity-corrective surgery. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
112. Reid D, et al. Opioid-limiting legislation effectively decreases 30-day opioid utilization following anterior cervical decompression and fusion. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
113. Protopsaltis T, et al. PI and age-optimal alignment within the fusion in ASD surgery improves outcomes and minimizes mechanical failures? North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
114. Passias P, et al. Global spinal deformity from the upper cervical perspective: what is “abnormal” in the upper cervical spine? North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
115. Durand W, et al. A data-driven approach to assessment of sagittal alignment: defining the spinopelvic ratio's impact on clinical outcomes in adult spinal deformity patients. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
116. Haglin J, et al. An analysis of Medicare reimbursement rates in spine surgery: 2000-2018. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
117. Kuris E, et al. Timing of surgical decompression for cauda equina syndrome. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
118. **Daniels AH**, et al. Sexual dysfunction due to lumbar stiffness is not diminished following adult spinal deformity surgery. North American Spine Society, Chicago, IL, September 26<sup>th</sup>, 2019.
119. AOSSM Annual Meeting, Seattle, WA, July 9-12<sup>th</sup>, 2020.
120. Yang DS, Lemme NJ, Glasser J, **Daniels AH**, Antoci V. Early vs. Late Manipulation following TKA - Surgical Complications and Revisions. 30th Annual Meeting of the American Association of Hip and Knee Surgeons (AAHKS). November 5-8, 2020, Dallas, Texas.

121. Lemme NJ, Yang DS, Glasser J, Testa EJ, **Daniels AH**, Antoci V. COPD Associated with Prolonged Opiate Use, Increased Complications, Revision Surgery Following TKA. 30th Annual Meeting of the American Association of Hip and Knee Surgeons (AAHKS). November 5-8, 2020, Dallas, Texas.
122. Johnson K, Veeramani A, Aluthge D, Chen ES, **Daniels AH**, Cohen, EM. Machine Learning to Predict Length of Stay for Revision Hip Arthroplasty. ORS Annual Meeting February 12-16, 2021, Virtual.
123. Glasser J, Antoci V, McDonald C, Yang DS, **Daniels AH**, Barrett T. Patient Perceptions Of COVID-19 In Orthopaedic Practice. Annual Meeting of the Orthopaedic Research Society (ORS). February 12-16, 2021, Virtual.
124. Glasser J, Yang DS, Lemme NJ, Quinn M, **Daniels AH**, Antoci V. Chronic Obstructive Pulmonary Disease Increases Complications, Revisions, And Opioid Use In Patients Undergoing Total Hip Arthroplasty. Annual Meeting of the Orthopaedic Research Society (ORS). February 12-16, 2021, Virtual.
125. Yang DS, Lemme NJ, Glasser J, **Daniels AH**, Antoci V. Early Vs. Late Manipulation Following TKA- Surgical Complications And Revisions. Annual Meeting of the Orthopaedic Research Society (ORS). February 13-16, 2021, Long Beach, CA.
126. Lemme NJ, Yang D, Glasser J, Testa E, **Daniels AH**, Antoci V. Chronic Obstructive Pulmonary Disease Is Associated With Prolonged Opiate Use, Increased Short-term Complications and The Need For Revision Surgery Following Total Knee Arthroplasty. Annual Meeting of the Orthopaedic Research Society (ORS). February 12-16, 2021, Virtual.
127. Testa EJ, Haglin JM, Li NY, Moore ML, Gil JA, **Daniels AH**, Paxton ES. Temporal and Geographic Trends in Medicare Reimbursement of Primary and Revision Shoulder Arthroplasty; 2000 to 2020. AAOS Annual Meeting 2021.
- 128-131. 4 poster presentations: AAOS Annual Meeting, San Diego, CA, September 2021.
- 132-139. 8 poster presentations: North American Spine Society, Boston, MA, September 2021.
- 140-147. 8 poster presentations: AAOS Annual Meeting, Chicago, IL, March 2022.
148. McDonald CL, Alsoof D, Lemme NJ, Johnson KG, Kuczmarski AS, **Daniels AH**, Cohen EM. Underweight Patients are at Increased Risk for Complications following Total Hip Arthroplasty. AAHKS Annual Meeting. Grapevine, Tx, November 2022.
- 149-151. 3 poster co-authorships. SRS, Stockholm, Sweden, September 2022.
- 152-160. 8 poster co-authorships. NASS, Chicago, IL, October 2022.

161-163. 3 poster co-authorships. Scoliosis Research Society 58<sup>th</sup> Annual Meeting; September 6-9, 2023; Seattle, WA.

164. 1 poster co-authorship. Eurospine, Frankfurt, Germany, October 2023.

165. 1 poster co-authorship. NASS, Los Angeles, CA, October 2023.

166. 1 poster co-authorship. ISDS, New York, NY, December 2023.

167-169. 3 poster co-authorships. AAHS, Nassau, Bahamas, January 2024.

170. 1 Poster co-authorship. COA/CORS/CORA Annual Meeting. Halifax, Nova Scotia, May 1, 2024.

171-172. 2 Poster Presentations. Northeast Arthroplasty Conference. Brown University, Providence, Rhode Island, 2024.

172-183. 11 Poster co-authorship. Congress of Neurological Surgeons Annual Meeting, Houston, Texas. September 28- October 2, 2024.

184. Balmaceno-Criss M, **Daniels AH**, Singh M, Zhang A. Cervical Disc Arthroplasty Is Safe Across Various Obesity Levels. SMISS Annual Forum. September 5-7, 2024, Las Vegas, NV.

185. Chan K, **Daniels AH**, Ehlers A, Oliphant B, Yang D. Bariatric Surgery Reduces Incidence of Distal Radius Fractures Among Obese Patients. 79th Annual Meeting of the American Society for Surgery of the Hand, September 19 – 21, 2024 in Minneapolis, MN.

186-193. 7 E-Posters. SRS 59<sup>th</sup> Annual Meeting. September 10-14, Barcelona, Spain.

#### INVITED PRESENTATIONS (NATIONAL/INTERNATIONAL)

1. “Adult Spinal Deformity: Surgical Planning and Complications”. Instructional Course Lecture Faculty. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 3<sup>rd</sup>, 2016.

2. “Instrumentation Complications in Adult Spinal Deformity”. New England Biosystems Education Series. Waltham, MA, April 5<sup>th</sup>, 2016.

3. “Collateral Adverse Outcomes of Lumbar Spine Surgery”. 4<sup>th</sup> Annual Instructional Course Lecture of the Lumbar Spine Research Society, Chicago, IL, April 15<sup>th</sup>, 2016.

4. “Posterior Osteotomies versus Anterior Release: How Much can be Achieved?”. SIEDI Master Meeting Scoliosis, Boston MA, October 25<sup>th</sup>, 2016.

5. “Instrumentation Complications in Adult Degenerative Scoliosis”. SIEDI Master Meeting Scoliosis, Boston MA, October 25<sup>th</sup>, 2016.

6. “Revision Strategies Following AIS Surgery”. SIEDI Master Meeting Scoliosis, Boston MA, October 25<sup>th</sup>, 2016.

7. “Adult Spinal Deformity: Surgical Planning and Complications”. Instructional Course Lecture Faculty. American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, March 17<sup>th</sup>, 2017.
8. “Adult Spinal Deformity: Surgical Planning and Complications”. Instructional Course Lecture Faculty. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 9<sup>th</sup>, 2018.
9. “Orthopedic Surgery Training: Perspectives of a Spinal Deformity Surgeon”. Grand Rounds: University of Massachusetts Department of Orthopedics, Worcester, MA, May 23<sup>rd</sup>, 2018.
10. “Adult Spinal Deformity: Surgical Planning and Complications”. Instructional Course Lecture Faculty. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, March 13<sup>th</sup>, 2019.
11. “Adult Spinal Deformity Surgery and Patient Productivity”. UConn Orthopedic Journal Club, Featured Guest Speaker. Farmington, CT, February 28<sup>th</sup>, 2022.
12. “Orthopedic Surgeon Burnout”. Connecticut Orthopedic Society. Hartford, CT, May 6<sup>th</sup>, 2022.
13. “Role of Lumbar Lordosis Redistribution and Axial Plane Deformity in PJK after Spinal Realignment”. Virtual Global Spine Conference, October 2022.
14. “Flatback Syndrome: Origins and Future of Sagittal Spinal Deformity”. 7<sup>th</sup> Annual Adult Spinal Deformity Symposium. Seattle Science Foundation. Seattle, WA, October 29<sup>th</sup>, 2022.
15. “3-CO or no 3-CO? How to Decide”. 8<sup>th</sup> Annual International Spinal Deformity Symposium. New York, NY, December 2<sup>nd</sup>, 2022.
16. “How AI and Enabling Technologies are Changing the Way We Practice Spine Surgery”. 8<sup>th</sup> Annual International Spinal Deformity Symposium. New York, NY, December 2<sup>nd</sup>, 2022.
17. “Tethering for Proximal Junctional Kyphosis Prevention”. 9<sup>th</sup> Annual International Spinal Deformity Symposium. New York, NY, December 9<sup>th</sup>, 2023.
18. “Sagittal Alignment in Degenerative Lumbar Spine: Clinical Application and Surgical Planning.” Authors: Diebo BG; **Daniels AH**; Kuris E; Lafage, V. AAOS Annual Meeting, February 14, 2024, San Francisco, California.
19. “Modern Concepts in Adult Spinal Deformity Surgery. Current Alignment Concepts: Importance of Proportional and Segmental Correction.” Authors: Passias P; Diebo BG; **Daniels AH**; Anand, N; Eastlack, R; Klineberg, E. AAOS Annual Meeting, February 15, 2024, San Francisco, California.
20. “Management of Patients With Dual Hip and Spinal Degenerative Pathology.” AAOS Webinar. April 25<sup>th</sup>, 2024.



21. "Direct vs. Indirect Decompression Techniques." Virtual Spine. Authors: Selby M, **Daniels AH**, Bassel DG, Bodon G, Yam S; Derman P. May 23<sup>rd</sup>, 2024.
22. "Intraoperative Neuromonitoring and Neurologic and Complications." 10th Annual International Spinal Deformity Symposium. December 6-7, 2024, New York, New York. Authors: **Daniels AH**, Hu, Klineberg, Lewis, and Lovecchio.
23. "Doing More and Better Bone Grafting." 10th Annual International Spinal Deformity Symposium. December 6-7, 2024, New York, New York.
24. "Optimal Spinal Alignment: How do we measure it, plan it, teach it, and deliver it to our patients?" St. Joseph's University Medical Center Grand Rounds, November 19<sup>th</sup>, 2024, Paterson, NJ
25. "Occupational Hazards in Spine Surgery." SRS 59<sup>th</sup> Annual Meeting. September 10-14, 2024, Barcelona, Spain.
26. "Assessment of Sagittal Alignment." 2024 CNS-SRS Annual Meeting. September 28-October 02, 2024, Houston, Texas.
27. The Power of Planning – How Do You Prevent a Simple Case from Becoming Your Worst Nightmare? 10<sup>th</sup> Annual International Spone Deformity Symposium. December 6-7, 2024, New York, New York. Authors: Daniels, AH and Sardi, J.

#### INVITED PRESENTATIONS (LOCAL)

1. "Variability in rates of fusion procedures for patients with cervical spine injuries with and without associated spinal cord injury". Authors: **Daniels AH**, Arthur M, Hart RA. 23<sup>rd</sup> Annual OHSU Student Research Forum, Portland, OR, May 11<sup>th</sup>, 2006.
2. "Variability in rates of fusion procedures for patients with thoracolumbar spine fractures with and without associated neurological injury". Authors: **Daniels AH**, Arthur M, Hart RA. 25<sup>th</sup> Annual OHSU Student Research Forum, Portland, OR, May 8<sup>th</sup>, 2008.
3. "Management of Open Fractures". Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Surgery Resident Teaching Conference, Providence, RI, June 30, 2008.
4. "Upper Extremity Casting". Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Intern Teaching Conference, Providence, RI, July 12, 2010.
5. "Dynamic biomechanical examination of the cervical spine utilizing a pendulum system". Authors: **Daniels AH**, Paller DJ, Crisco JJ. COBRE and Orthopaedic Research Meeting at Brown University, Providence, RI, September 1<sup>st</sup>, 2010.

6. “Spine Arthroplasty”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital, Department of Orthopaedics, Grand Rounds, Providence, RI, February 15<sup>th</sup>, 2012.
7. “Thoracolumbar Spine Trauma Classification”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital, Department of Orthopaedics, Spine Journal Club, Providence, RI, December 12<sup>th</sup>, 2012.
8. “Orthopaedic Surgery as a Career”. Careers in Medicine Panel. Warren Alpert Medical School of Brown University. March 27<sup>th</sup>, 2013.
9. “ICE and Elevate: 1-year CRIT follow-up”. 2<sup>nd</sup> Annual CRIT Conference. Mystic, CT. May 17<sup>th</sup>, 2013.
10. “Tibial Shaft Fractures”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 9<sup>th</sup>, 2013.
11. “Airway Complications Following Anterior Cervical Spine Surgery”. Young Lions Spine Course, Stryker Spine, Ft. Lauderdale, FL, September 20<sup>th</sup>, 2013.
12. “Thoracolumbar Spine Trauma”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 27<sup>th</sup>, 2013.
13. “Pediatric Spinal Deformity Surgery in Ghana”. Caroll M. Silver Travelling Fellowship Lecture, Providence, RI, October 1<sup>st</sup>, 2013.
14. “A Fellow’s Perspective on a Career in Orthopaedic Surgery”. Careers in Medicine Panel. Warren Alpert Medical School of Brown University. March 24<sup>th</sup>, 2014.
15. “Medial Malleolus Fixation- Strategy for avoiding malreduction”. Orthopaedic Quality Improvement Conference. Warren Alpert Medical School of Brown University. May 21<sup>st</sup>, 2014.
16. “Contemporary Orthopaedic Surgery Fellowship Training.” Danforth Lectureship. Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, May 28<sup>th</sup>, 2014.
17. “Spine Surgery Basics”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, July 7<sup>th</sup>, 2014.
18. “Cervical Spine Trauma”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 15<sup>th</sup>, 2014.
19. “Thoracolumbar Spine Trauma”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 26<sup>th</sup>, 2014.

20. “Modern Advanced in Spinal Deformity Treatment” New England Biosystems (Stryker) Rep Deformity Training, Mystic, CT, November 7<sup>th</sup>, 2014.
21. “Iliac/Alar Fixation Options and Techniques”. New England Biosystems (Stryker) Rep Deformity Training, Mystic, CT, November 7<sup>th</sup>, 2014.
22. “Upper Cervical Spine Trauma: Occiput to C2”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Multidisciplinary Spine Conference, Providence, RI, November 25<sup>th</sup>, 2014.
23. “The Current State of US Spine Surgery Training”. SUNY/Brown University Alumni Meeting, Boston, MA, December 11<sup>th</sup>, 2014.
24. “Life as an Orthopaedic Surgeon”. Careers in Medicine Panel. Warren Alpert Medical School of Brown University. February 2<sup>nd</sup>, 2015.
25. “Orthopaedic and Spine Surgery in the Elderly”. Geriatric Medicine Grand Rounds. Warren Alpert Medical School of Brown University. May 28<sup>th</sup>, 2015.
26. “Spine Trauma Evaluation and Radiographic Assessment”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, July 13<sup>th</sup>, 2015.
27. “Cervical Spine Trauma”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 14<sup>th</sup>, 2015.
28. “Thoracolumbar Spine Trauma”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 18<sup>th</sup>, 2015.
29. “Adult Spinal Deformity”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 25<sup>th</sup>, 2015.
30. “Orthopaedic Spine Surgery as a Career”. Wheeler School Biomedical Club, Providence, RI, December 15<sup>th</sup>, 2015.
31. “Spine Emergencies”. Brown University Emergency Medicine Department, Providence, RI, February 3<sup>rd</sup>, 2016.
32. “Geriatric Spinal Deformity”. Brown University Department of Geriatrics Grand Rounds, Providence, RI, March 24<sup>th</sup>, 2016.
33. “Spine Physical Exam”. Brown University Department of Internal Medicine Lecture Series, Providence, RI, March 30<sup>th</sup>, 2016.

34. “Spine Trauma Evaluation and Radiographic Assessment”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, July 28<sup>th</sup>, 2016.
35. “Adult Spinal Deformity”. Warren Alpert School of Medicine of Brown University/Rhode Island Hospital Department of Orthopaedic Surgery, Resident Teaching Conference, Providence, RI, September 30<sup>th</sup>, 2016.
36. “Adult Spinal Deformity- Assessment and Treatment”. Brown-Harvard-Yale Hands-on Spine Cadaver Course, Cumberland, RI, June, 9<sup>th</sup>, 2018.
37. “Adult Spinal Deformity- Evaluation and Treatment”. Brown-Harvard-Tufts-Yale Comprehensive Spine Course, Cumberland, RI, June, 1<sup>st</sup>, 2019.
38. “Operative Efficiency in Complex Spinal Surgery”. Stryker Invited Presentation. Providence, RI, June 26<sup>th</sup>, 2019.
39. “Radiation Safety in Orthopedic Surgery”. Brown University Orthopedic Department Grand Rounds, Providence, RI, December 11<sup>th</sup>, 2019.
40. “Mark Palumbo: Master Surgeon” Inagural Mark Palumbo, MD Annual Lectureship, Providence, RI, September 16<sup>th</sup>, 2020.
41. “Intelligence-Based Medicine: How AI and Enabling Technologies are Changing the way we Practice Spine Surgery” UNiD ASI Dinner Dialogue, Boston, MA, July 20<sup>th</sup>, 2023.
42. “Lumbar Alignment in the Normal, Degenerated, and Deformed Spine” Seattle Science Foundation TV, August 16<sup>th</sup>, 2023.
43. “Adult Spinal Deformity” Brown Neurosurgery-Orthopedics Cadaveric Spine Course Meeting, Fall River, MA, September 16<sup>th</sup>, 2023.
44. “Mentorship in Spine Surgery” Brown Spine 15<sup>th</sup> Annual Meeting. Newport, RI, October 7<sup>th</sup>, 2023.
45. “Neuromonitoring for Nurses- Essential Knowledge” Miriam Hospital Grand Rounds, Providence, RI, July 24, 2024.
46. “Alignment in Lumbar Degenerative Fusion.” 24th Annual Thomas Jefferson University Spine Fellows Alumni Symposium. July 12-13, 2024;

## GRANTS

1. “Dynamic biomechanical examination of the lumbar and cervical spine utilizing a pendulum system”: Primary Investigator: Alan H Daniels, MD. \$5,800. Warren Alpert School of Medicine of Brown University, Department of Orthopedics Research Grant, Providence, RI. September,

2010.

2. “Dynamic biomechanical examination of the lumbar spine with implanted total disc arthroplasty utilizing a pendulum system”: Primary Investigator: Alan H Daniels, MD. \$37,278 implant donation. Synthes Spine, West Chester, PA. December, 2010.
3. “Bacterial adherence to spinal instrumentation of differing compositions”. Primary Investigator: Christopher T Born, MD. Primary Researcher: Alan H Daniels, MD. \$64,530. Stryker Spine, Kalamazoo, MI. March, 2013.
4. “Standardization of Evaluation and Treatment of Adult Spinal Deformity Patients”. Primary Investigator: Alan H Daniels, MD (on behalf of the ISSG). \$45,410. Orthofix, Dallas, TX. January 2017.
5. “Determining Upper Instrumented Vertebral Levels in Adult Spinal Deformity Surgery”. Primary Investigator: Alan H Daniels, MD (on behalf of the ISSG). \$25,000. Orthofix, Dallas, TX. May, 2018.
6. “Multicenter Prospective Evaluation of Complex Adult Spinal Deformity (CADS)”. Primary Investigator. Alan H Daniels (for study assistance via research fellowship). \$35,000. Orthofix, Dallas, TX. July, 2019.
7. “Use of railrods in Adult Spinal Deformity surgery; impact on rod failure and deformity correction”; Lead principal investigator. Alan H Daniels. \$62,450. Stryker Spine. September, 2020.
8. “Radiographic and Clinical Outcomes after Spine Surgery”. Lead principal investigator. Alan H Daniels. \$60,000. Stryker Spine. April 2022.
9. “Radiographic and Clinical Outcomes after Spine Surgery”. Lead principal investigator. Alan H Daniels. \$220,000. Orthofix. April 2022.
10. “Prevention of Proximal Junctional Kyphosis with Bilateral Suture Anchor Pedicular Fixation in the UIV + 1.” Co-Principal investigator. Eren Kuris/Alan Daniels. \$2,500. Scoliosis Research Society. August 2022.
11. “Chirico Orthopedic Spinal Trauma Research Fund”. \$1,000,000. April 2023.
12. “EOS Full Body Imaging Registry Development”. \$120,000. Atec Spine. June 2023.

#### UNIVERSITY TEACHING, ADVISING, AND MENTORSHIP ROLES

2011-2013            Medical Student mentor: Michelle Gosselin

2012-2013            Medical Student mentor: Matthew Young

- 2013 Thesis Reader, Wylie Luo Masters in Public Health (MPH):  
“Hospital Readmission of Hip Fracture Patients with Cognitive Dysfunction”
- 2012-2014 Medical Student mentor: Joanne Wang
- 2013-2019 Medical Student mentor: Adam Eltorai  
*-PhD Advisor*
- 2013-2014 Medical Student mentor: Zachary Grabel
- 2014 Summer Internship Director: Heather Sweeny (Brown Undergraduate Research)
- 2014-2015 Medical Student mentor: Alexander Merritt
- 2014-2015 Medical Student mentor: Samuel Miller
- 2014-2015 Medical Student mentor: Sarah Park
- 2014-2018 Resident mentor: J Mason DePasse, MD
- 2015-2018 Medical Student mentor: Roy Ruttiman
- 2016 2<sup>nd</sup> Thesis Reader: Eric Nguyen Biology Sc. B.: “Antimicrobial Effects of a Silver-Doped Titanium Dioxide-PDMS Hybrid Coating against the Adherence and Proliferation of Multi-Drug Resistant *A. baumannii* on Spinal Rod Implants of Varying Compositions”
- 2016-2018 Undergraduate Student Mentor: Joseph Johnson
- 2016-2018 Medical Student mentor: Jing Wang
- 2016-2020 Medical Student mentor: Wesley Durand
- 2016-2018 Medical Student mentor: Govind Shantharam
- 2015-present Brown University Orthopaedic Residency Program:  
*-Orthopaedics In-Training Exam Preparation Course Director*
- 2016-2019 Masters Student mentor: Joshua Pangborn  
*-Masters Advisor*
- 2018 2<sup>nd</sup> Thesis Reader: Anthony Minnah, Sc. B
- 2018-2022 Medical Student mentor: Daniel Yang
- 2019-2022 Medical Student Mentor: Davis Hartnet

2021-2023      Research Assistant: Daniels Alsoof, MBBS  
2021-2022      Medical Student Mentor: George Anderson  
2021-2022      Medical Student Mentor: Keir Johnson  
2022-2023      Undergraduate Mentor: James Hong  
2022-2024      Medical Student Mentor: Mariah Balmaceno-Criss  
2023-2024      Postgraduate research fellow: Mohammad Daher  
2024-            Research Mentor: Manjot Singh  
2024-            Research Fellow: Joseph Nassar  
2024-            Research Fellow: Michael Farias

HOSPITAL TEACHING, ADVISING, and MENTORSHIP ROLES

2007-2008      Lab Instructor: Back and Neck Dissection, *Gross Anatomy, Imaging, and Embryology*. Oregon Health and Science University, School of Medicine.  
2013-2014      Doctoring Instructor, Brown Medical School MS2 Doctoring Course  
2013-2014      Co-Director: Brown Medical School Orthopaedic Surgery Interest Group  
2015-2017      Community of Musculoskeletal Educators  
2020-present    RIH/TMH Lifespan Spine Surgery Efficiency and Cost Saving Initiative  
2022-present    TMH Robotic Spine Surgery Program Director