

# Alexander M. Satin, MD

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## EDUCATIONAL BACKGROUND

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**Albert Einstein College of Medicine**—Bronx, NY  
MD, 2014

**Johns Hopkins University**—Baltimore, MD  
BA, Biophysics, 2010

**Friends Academy**—Locust Valley, NY  
2006

## POST-DOCTORAL TRAINING

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**Texas Back Institute**—Plano, TX  
Spine Surgery Fellowship  
2019 – 2020

**Northwell Health System**—New Hyde Park, NY  
Orthopaedic Surgery Residency  
2015 – 2019

**Northwell Health System**—New Hyde Park, NY  
General Surgery Internship  
2014 – 2015

## CLINICAL PRACTICE

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**Texas Back Institute**  
Attending Spine Surgeon  
Partner  
2020 – Present

## LICENSURE & BOARD CERTIFICATION

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Texas (2019 – Present): S0218  
New York (2015 – 2023): 281226

**American Board of Orthopaedic Surgery**  
Board Certified, 07/24/2022 – 12/31/2032

## **HONORS & AWARDS**

1. D Magazine, Best Doctors: 2023, 2024, 2025
2. Avante-Garde Health, Spine Research All-Star, Top 2-3%: 2024
3. Castle Connolly, Top Doctor
4. SpineLine's 20 Under 40, 2021 Award Recipient
5. 3<sup>rd</sup> Place, 2018 Hofstra-Northwell Department of Orthopaedic Surgery Alumni Day
6. 2<sup>nd</sup> Place, 2017 Hofstra-Northwell Department of Orthopaedic Surgery Alumni Day
7. 2<sup>nd</sup> Place, 2017 Northwell Health Orthopaedic Research Symposium
8. Alpha Omega Alpha Honor Medical Society: 2014
9. General University Honors, Johns Hopkins University: 2010
10. Dean's List, Johns Hopkins University: Spring 2007, Fall 2007, Spring 2008, Fall 2008, Spring 2009

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

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Cervical Spine Research Society

International Society for the Advancement of Spine Surgery

North American Spine Society

Society for Minimally Invasive Spine Surgery

## **LEADERSHIP & COMMITTEES**

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### **Scientific Review Committee**

Society for Minimally Invasive Spine Surgery  
2025

### **Campus Executive Committee**

Medical City Frisco  
2024 – Present

### **Adult Spine Evaluation Committee**

American Academy of Orthopaedic Surgery  
2024 – 2025

**Annual Meeting Abstract Review Sub-committee**

Cervical Spine Research Society

2023

**Communications Committee**

Cervical Spine Research Society

2022 – Present

**Resident & Fellow Education Committee**

North American Spine Society

2022 – 2024

**Credentials Committee**

Texas Health Center for Diagnostics & Surgery

2022 – 2024

**Patient Safety Committee**

North American Spine Society

2021 – 2023

**Spine Surgery Fellowship Co-Director**

Texas Back Institute

2020 – Present

**Publications Committee**

Cervical Spine Research Society

2020 – 2022

**Resident-Fellow Mentoring Program**

American Academy of Orthopaedic Surgeons

2018 – 2019

**Committee on Student Promotions and Professional Standards**

Albert Einstein College of Medicine

2012 – 2014

**Medical Student Council Co-President**

Albert Einstein College of Medicine

2010 – 2012

**RESEARCH**

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**Editorial Responsibilities**

*Spine*, Reviewer, Advisory Editorial Board

2022 – Present

*Journal of the American Academy of Orthopaedic Surgeons*, Reviewer  
2022 – Present

*Clinical Spine Surgery*, Reviewer  
2020 – Present

*International Journal of Spine Surgery*, Reviewer  
2020 – Present

*American Journal of Orthopedics*, Reviewer, Resident Advisory Board  
2014 – 2018

### **Grant/Research Support**

Funding Agency: Cervical Spine Research Society

Period: October 2022 – December 2024

Grant Title: Sleep Quality in Patients with Cervical Radiculopathy

Investigators: **Alexander M. Satin, MD (PI)**; Peter B. Derman, MD, MBA; Richard D. Guyer, MD; Damon Mar, PhD; Mary P.R. LaVanne, PhD; Blake N. Staub, MD

Funding: \$10,000

### **Peer Reviewed Publications**

1. McMahan SR, Courtois EC, **Satin AM**, Guyer RD, Wilson B, Robinson K, Ohnmeiss DD. Measuring Spine Surgeon Performance: A Scoping Review of Assessment Metrics and Evaluation Methods Used to Gauge Surgeon Competency. *Spine*. 2025.
2. Derman PB, Raad M, **Satin AM**, Telfeian A, Ogunlade J, Dunn C, Kashlan O, Konakondla S, Amin AG, Huang M, Khan I, Mahan M, Hofstetter CP, Rogers-LaVanne MP. Return to Work After Lumbar Endoscopic Spinal Surgery in the United States. *The Spine Journal*. 2025.
3. Fisher KJ, **Satin AM**, Ohnmeiss DD, Guyer RD. Physical and Virtual Simulation in Spine Surgery Training. *Spine*. 2025; 10-1097.
4. **Satin AM**, Shenker T, Guyer RD, Blumenthal SL, Zigler JE, Shellock JL, Derman PB, Ohnmeiss DD, Rogers-LaVanne MP. Cervical Disc Arthroplasty for the Treatment of Adjacent Segment Disease After Anterior Cervical Discectomy and Fusion. *Spine*. 2025; 50(4), pp.243-251.
5. Shenker T, Rush III AJ, Derman PB, **Satin AM**, Rogers-LaVanne MP. Endoscopic Spine Surgery on Instagram: Analysis of Content and Engagement. *Cureus*. 2024; Jun 12;16(6).
6. Blumenthal SL, Edionwe JI, Courtois EC, Guyer RD, **Satin AM**, Ohnmeiss DD. Is the Use of Intraoperative Neuromonitoring Justified During Lumbar Anterior Approach Surgery? *International Journal of Spine Surgery*. 2024; Mar 1;18(2):217-21.

7. Derman, PB, Rogers-LaVanne MP, **Satin AM**. Minimally Invasive Revision of Luque Plate Instrumentation: A Case Report. *Cureus*. 2024; 16.1.
8. Raad M, **Satin AM**, Derman PB. Bone Quality in Spinal Surgery: Evaluation, Implications and Treatments. *Contemporary Spine Surgery*. 2024; 25(4), 1-7.
9. **Satin AM**, Rogers-LaVanne MP, Guyer RD, Zigler JE, Blumenthal SL, Shellock JL, Ohnmeiss DD, Derman PB. Letter to the regarding “Long-term results of the NECK trial—implanting a disc prosthesis after cervical anterior discectomy cannot prevent adjacent segment disease: five-year clinical follow-up of a double-blinded randomised controlled trial”. *The Spine Journal*. 2024; 24(2), 387-388.
10. Derman, PB, Rogers-LaVanne MP, **Satin AM**. Collagen Matrix Inlay Graft for Management of Incidental Durotomy During Full-Endoscopic Lumbar Spine Surgery: Technique and Case Series. *International Journal of Spine Surgery*. 2023;(17)3: 399-406.
11. **Satin AM**, Rogers-LaVanne MP, Derman PB. Cervical Disc Arthroplasty and Range of Motion at Seven Years: Impact on Adjacent Level Degeneration. *Clinical Spine Surgery*. 2023;(36)3: 83-89.
12. Perfetti DC, Rogers-LaVanne MP, **Satin AM**, Yap N, Khan I, Kim P, Hofstetter CP, Derman PB. Learning Curve for Endoscopic Posterior Cervical Foraminotomy. *European Spine Journal*. 2023; 1-9.
13. **Satin AM**, Rogers-LaVanne MP, Albert TJ, Hilibrand AS, Schoenfeld AJ, Guyer RD. Best Practices for the Spine Fellowship Match: Interview Statistics, Applicant Perspectives, What Programs Look for in Fellowship Applicants, and Guidance. *Spine*. 2023;(48)6: 371-375.
14. Preston G, Hoffmann J, **Satin AM**, Derman PB, Khalil JG. Preservation of Motion in Spine Surgery. *Journal of the American Academy of Orthopaedic Surgeons*. 2022; 10-5435.
15. **Satin AM**, Rush AJ, Derman PB. Review of Prospective Trials for Degenerative Cervical Myelopathy. *Clinical Spine Surgery*. 2022; 35(10):410-417.
16. Perfetti DC, Kisinde S, Rogers-LaVanne MP, **Satin AM**, Lieberman IH. Robotic Spine Surgery: Past, Present, and Future. *Spine*. 2022;47(13):909-921.
17. Kisinde S, Hu X, Hesselbacher S, **Satin AM**, Lieberman IH. Robotic-guided Placement of Cervical Pedicle Screws: Feasibility and Accuracy. *European Spine Journal*. 2022;31:693-701.
18. Zigler JE, Guyer RD, Blumenthal SL, **Satin AM**, Shellock JL, Ohnmeiss DD. In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Symptomatic Lumbar Disc Degeneration? *European Spine Journal*. 2022:1-5.
19. Derman PB, **Satin AM**. Navigation, Mixed Reality, and Robotics in Endoscopic Spine Surgery. *Mini-invasive Surgery*. 2022;6:8.

20. **Satin AM**, Kisinde S, Lieberman IH. Robotic-Assisted Revision Spine Surgery. *International Journal of Spine Surgery*. 2022; S14-S21.
21. **Satin AM**, Kisinde S, Lieberman IH. Can Robotic Spine Surgery Become the Standard of Care? *International Journal of Spine Surgery*. 2022; S44-S49.
22. **Satin AM**, Perfetti D, Kaji D, Galina J, Atlas A, Katz A, Silber JS, Essig DA. The Incidence of Subsequent Cervical Spine Surgery after Cervical Disc Arthroplasty, a Minimum Two-Year Follow-Up. *Journal of Surgical Orthopaedic Advances*. 2022 Jan 1;31(1):7-11.
23. **Satin AM**, Albano J, Kisinde S, Lieberman IH. Minimally Invasive Robotic Lumbar Facet Decortication. *Clinical Spine Surgery*. 2021 Oct 14.
24. Kiridly D, **Satin AM**, Derman PB. Positioning-Related Peripheral Nerve Injury During Spine Surgery and the Role of Intraoperative Neuromonitoring. *Contemporary Spine Surgery*. 2021;22:1-5.
25. Sarwahi V, Atlas AM, Galina J, **Satin AM**, Dowling TJ, Hasan S, Amaral TD, Lo Y, Christopherson N, Prince J. Seatbelts Save Lives, and Spines, in Motor Vehicle Accidents: A Review of the National Trauma Data Bank in the Pediatric Population. *Spine*. 2021;46:1637-44.
26. Perfetti DC, Galina JM, Derman PB, Guyer RD, Ohnmeiss DO, **Satin AM**. Risk factors for reoperation after lumbar total disc replacement at short-, mid-, and long-term follow-up. *The Spine Journal*. 2021 Feb 25; 21(7): 1110-1117.
27. **Satin AM**, Shenoy K, Sheha ED, Basques B, Schroeder GD, Vaccaro AR, Lieberman IH, Guyer RD, Derman PB. Spine patient satisfaction with telemedicine during the COVID-19 Pandemic: a cross-sectional study. *Global Spine Journal*. 2020 Jan 1:2192568220965521.
28. **Satin AM**, Lieberman IH. The Virtual Spine Examination: Telemedicine in the Era of COVID-19 and Beyond. *Global Spine Journal*. 2020:2192568220947744.
29. Katz AD, Perfetti DC, Job AV, Willinger M, Goldstein JA, Kiridly D, **Satin AM**, Essig DA. Comparative Analysis of 30-Day Readmission, Reoperation, and Morbidity Between Lumbar Disc Arthroplasty Performed in the Inpatient and Outpatient Settings Utilizing the ACS-NSQIP Dataset. *Global Spine Journal*. 2020 Jul 31:2192568220941458.
30. Perfetti DC, Job AV, **Satin AM**, Katz AD, Silber JS, Essig DA. Is academic department teaching status associated with adverse outcomes after lumbar laminectomy and discectomy for degenerative spine diseases? *The Spine Journal*. 2020 Sep 1; 20(9): 1397-1402.
31. Haddas R, **Satin AM**, Lieberman IH. What is actually happening inside the "cone of economy": compensatory mechanisms during a dynamic balance test. *European Spine Journal*. 2020 Sep; 29(9): 2319-2328.

32. Sarwahi V, Atlas AM, Perfetti DC, Hasan SS, Galina JM, **Satin AM**, Amaral TD. Surgeon Volume Affects Short- and Long-Term Surgical Outcomes in Pediatric Idiopathic Scoliosis. *Spine Deformity*. 2020 Jun; 8(3):455-461.
33. **Satin AM**, Norelli JB, Sgaglione NA, Grande DA. Effect of Combined Leukocyte-Poor Platelet-Rich Plasma and Hyaluronic Acid on Bone Marrow–Derived Mesenchymal Stem Cell and Chondrocyte Metabolism. *Cartilage*. 2019:1947603519858739.
34. **Satin AM**, Chen Y, Silber JS, Essig DA. Sagittal plane deformity: Evaluation and Management. In: Wiesel SW, Boden SC, ed. *Seminars in Spine Surgery*. 2017; 29(4):208-14.
35. Shah SS, **Satin AM**, Mullen JR, Merwin S, Goldin M, Sgaglione NA. Impact of recent guideline changes on aspirin prescribing after knee arthroplasty. *Journal of Orthopaedic Surgery and Research*. 2016;11(1):1-9.
36. **Satin AM**, DePalma AA, Cuellar J, Gruson KI. Lateral femoral cutaneous nerve palsy following shoulder surgery in the beach chair position: a report of 4 cases. *American Journal of Orthopedics*. 2014;43(9):E206-209.

## Editorials & Other

1. Perfetti DC, **Satin AM**, Derman PB. Zero-Profile Anterior Cervical Cages: Clinical Outcomes. In: Singh K, ed. *Vertebral Columns*; Summer 2024.
2. Perfetti DC, **Satin AM**, Derman PB. Biomechanics of Zero-Profile Anterior Cervical Discectomy and Fusion. In: Singh K, ed. *Vertebral Columns*; Spring 2024.
3. Courtois EC, Rogers-LaVanne MP, Derman PB, **Satin AM**. A Comparative Review of Lumbar Bone Density Measurement Techniques and Additional Applications. In: Singh K, ed. *Vertebral Columns*; Fall 2023.
4. Courtois EC, **Satin AM**, Rogers-LaVanne MP, Derman PB. Lumbar Bone Density Measurements—Using CT and MRI Scans as Alternatives. In: Singh K, ed. *Vertebral Columns*; Summer 2023.
5. Perfetti DC, **Satin AM**, Derman PB. Drains in Spine Surgery. In: Singh K, ed. *Vertebral Columns*; Spring 2023.
6. Rogers-LaVanne MP, **Satin AM**, Derman PB. What Is Epigenetics and How Is It Relevant for Spine Surgeons? In: Singh K, ed. *Vertebral Columns*; Winter 2023.
7. Ahn J, Derman PB, Rogers-LaVanne MP, **Satin AM**. The Impact of Spinal Pathology on Sleep. In: Singh K, ed. *Vertebral Columns*; Fall 2022.
8. Shenoy K, Derman PB, **Satin AM**. Hypermobility Following Cervical Disc Arthroplasty. In: Singh K, ed. *Vertebral Columns*; Spring 2022.

9. Shenoy K, Derman PB, **Satin AM**. Bone Marrow Aspirate Concentrate and Spinal Fusion. In: Singh K, ed. *Vertebral Columns*; Winter 2022.
10. Perfetti DC, Derman PB, **Satin AM**. Live Cellular Allografts. In: Singh K, ed. *Vertebral Columns*; Fall 2021.
11. **Satin AM**, Albano J, Derman PB. What's on the Horizon for Cervical Disc Arthroplasty? In: Singh K, ed. *Vertebral Columns*; Summer 2021.
12. Kiridly D, **Satin AM**, Derman PB. Does Intraoperative Neuromonitoring Prevent Neurologic Injury in Spine Surgery? In: Singh K, ed. *Vertebral Columns*; Spring 2021.
13. **Satin AM**, Haddas R, Derman PB. Improvement (or Lack Thereof) After Surgery for Cervical Spondylotic Myelopathy. In: Singh K, ed. *Vertebral Columns*; Winter 2021.
14. **Satin AM**, Ahmed MS, Derman PB. Awake Lumbar Fusion Surgery. In: Singh K, ed. *Vertebral Columns*; Fall 2020.
15. **Satin AM**, Derman PB. Regional Anesthesia for Lumbar Spine Surgery. In: Singh K, ed. *Vertebral Columns*; Spring 2020.
16. Sgaglione NA, **Satin AM**. Northwell Investigators Explore Novel Treatment for Knee Osteoarthritis. In: Scuderi G, ed. *Northwell Health Orthopaedic Bulletin*; Spring 2017.

## Book Chapters

1. Kisinde S, Albano JL, Barnes D, **Satin AM**, Lieberman IH. When to Operate on the Thoracic Spine. In: Kleck C, Patel V, ed. *Complications in Orthopaedics: Spine Surgery*. Published 2024.
2. **Satin AM**, Zigler JE. Anterior Cervical Arthroplasty. In: Zdeblick T, Albert T, ed. *Master Techniques in Orthopaedic Surgery: The Spine, 4<sup>th</sup> Edition*. Published 2023.
3. **Satin AM**, Guyer RD. Axial Low Back Pain. In: Schoenfeld AJ, Bono C, ed. *AAOS Resident Curriculum*. Accepted 2020, Revised 2024.
4. **Satin AM**, Derman PB, Guyer RD. Lumbar Total Disc Arthroplasty. In: Steinmetz M, Benzel E, Berven S, ed. *Benzel's Spine Surgery: Techniques, Complication Avoidance, and Management, Fifth Edition*: Elsevier Health Sciences; Published 2021, Revised 2024.
5. **Satin AM**, Kiridly DN, Essig DA, Silber JS. Thoracic Transpedicular Decompression. In: Vaccaro AR, ed. *Expert Techniques in Spine Surgery*: Jaypee Brothers, Medical Publishers Pvt. Limited; Published 2019.
6. Kiridly DN, **Satin AM**, Essig DA, Silber JS. Surgical Treatment of Thoracic Disc Herniation. In: Vaccaro AR, ed. *Expert Techniques in Spine Surgery*: Jaypee Brothers, Medical Publishers Pvt. Limited; Published 2019.



7. Stein SM, **Satin AM**, Grande D, Sgaglione NA. Cartilage: Debridement and Microfracture. In: Fu F, ed. *Master Techniques in Orthopaedic Surgery: Sports Medicine, 2<sup>nd</sup> Edition*: Wolters Kluwer; Published 2019.
8. **Satin AM**, Essig DA, Silber JS. The treatment of certain cervical-spine disorders by anterior removal of the intervertebral disc and interbody fusion by Smith and Robinson. In: Vaccaro AR, Wilson JR, Fisher CG, ed. *50 Landmark Papers Every Spine Surgeon Should Know*: CRC Press, Taylor & Francis Group; Published 2018.

## Research Presentations

1. Albano JL, **Satin AM**, Kisinde S, Lieberman IH. Robotically-Assisted Minimally Invasive Repair of Spondylosis—Feasibility & Clinical Outcomes. Global Spine Congress 2025, Rio de Janeiro, Brazil, May 29, 2025.
2. **Satin AM**, Guyer RD, Qureshi S, Nemani V, Louie PK, Derman PB, Rogers-LaVanne MP. Surgeons' views on cervical disc arthroplasty for elite athletes: a survey of Cervical Spine Research Society members. Cervical Spine Research Society 2024 Annual Meeting, Chicago, IL, December 12, 2024.
3. **Satin AM**, Shenker T, Guyer RD, Blumenthal S, Zigler J, Shellock J, Derman PB, Ohnmeiss DD, Rogers-LaVanne MP. Cervical Disc Arthroplasty for the Treatment of Adjacent Segment Disease after Anterior Cervical Discectomy and Fusion. North American Spine Society 2024 Annual Meeting, Chicago, IL, September 25, 2024.
4. **Satin AM**, Shenker T, Guyer RD, Blumenthal S, Zigler J, Shellock J, Derman PB, Ohnmeiss DD, Rogers-LaVanne MP. Cervical Disc Arthroplasty for the Treatment of Adjacent Segment Disease after Anterior Cervical Discectomy and Fusion. Society for Minimally Invasive Spine Surgery 2024 Annual Meeting, Las Vegas, NV, September 6, 2024.
5. Derman PB, Raad M, **Satin AM**, Telfeian A, Ogunlade J, Dunn C, Kashlan O, Konakondla S, Amin AG, Hafez D, Huang M, Hofstetter C, Rogers-LaVanne MP. Return to Work After Endoscopic Spine Surgery in the United States. Society for Minimally Invasive Spine Surgery 2024 Annual Meeting, Las Vegas, NV, September 6, 2024.
6. Albano JL, **Satin AM**, Kisinde S, Lieberman IH. Minimally Invasive Robotic Spondylolysis Repair. International Society for the Advancement of Spine Surgery 2024 Annual Meeting, Miami, FL, April 28, 2024.
7. **Satin AM**. 2022 Seed/Starter Grant: Sleep Quality in Patients with Cervical Radiculopathy. Cervical Spine Research Society 2023 Annual Meeting, Las Vegas, NV, December 2, 2023.
8. Shenker T, Rush A, Derman PB, **Satin AM**, Rogers-LaVanne MP. Guide to Instagram for spine surgeons via an analysis of #endoscopicspinesurgery. Society for Minimally Invasive Spine Surgery 2023 Annual Meeting, Las Vegas, NV, October 6, 2023.

9. **Satin AM**, Rogers-LaVanne MP, Derman PB. Cervical Disc Arthroplasty and Range of Motion at 7-years: Impact on Adjacent Level Degeneration. Cervical Spine Research Society 2022 Annual Meeting, San Diego, CA, November 18, 2022.
10. Mar D, Wilson B, Robinson K, **Satin AM**, Staub BN, Derman PB. Preliminary Assessment of Lumbar Discectomy Patient Balance Recovery: Is a Force Plate Necessary or Will a Yard Stick Suffice? North American Spine Society 2022 Annual Meeting, Chicago, IL, October 12, 2022.
11. **Satin AM**, Rogers-LaVanne MP, Derman PB. Cervical Disc Arthroplasty and Range of Motion at 7-years: Impact on Adjacent Level Degeneration. Society for Minimally Invasive Spine Surgery 2022 Annual Meeting, Las Vegas, NV, September 29, 2022.
12. Mar D, Reichow A, Robinson K, **Satin AM**, Staub B, Derman PB. Objective Evaluation of Dynamic Balance Among Lumbar Disc Herniation Patients Before and After Discectomy: Comparison of Cone of Economy Balance Measures to the Clinical Y-Balance Test. Society for Minimally Invasive Spine Surgery 2021 Annual Meeting, Las Vegas, NV, October 2021.
13. Haddas R, **Satin AM**, Kosztowski T, Derman PB, Lieberman IH. Continued improvement in functional gait and balance parameters to one year following decompression surgery for cervical spondylotic myelopathy. North American Spine Society 2021 Annual Meeting, Boston, MA, October 2021.
14. **Satin AM**, Shenoy K, Sheha ED, Basques B, Schroeder GD, Vaccaro AR, Lieberman IH, Guyer RD, Derman PB. Spine patient satisfaction with telemedicine during the COVID-19 Pandemic. Society for Minimally Invasive Spine Surgery 2020 Annual Forum, October 2020.
15. Katz AD, Perfetti DC, Job AV, Fitzgerald M, Goldstein JA, Kiridly D, **Satin AM**, Essig DA. Comparative analysis of 30-day readmission, reoperation, and morbidity between lumbar disc arthroplasty performed in the inpatient and outpatient settings utilizing the 2005-2018 ACS-NSQIP datasets. North American Spine Society 2020 Annual Meeting, October 2020.
16. Kiridly D, Iturriaga C, Joseph A, Oliveras P, Galina JM, **Satin AM**, Goldstein JA, Perfetti DC, Katz AD, Silber JS, Essig DA. The influence of glycemic control as measured by hemoglobin A1c levels on complications following elective lumbar spinal fusion. North American Spine Society 2020 Annual Meeting, October 2020.
17. Perfetti DC, Katz AD, Job AV, Galina JM, **Satin AM**, Silber JS, Essig DA. The incidence of subsequent lumbar spine surgery after lumbar disc arthroplasty: a minimum two-year follow-up. North American Spine Society 2020 Annual Meeting, October 2020.
18. Sarwahi V, Galina JM, Hasan SS, Goldstein JA, **Satin AM**, Lo Y, Amaral TD. To prevent PJK in Scheuermann's Kyphosis restore kyphosis to patient's PI value and choose proximal UIV. North American Spine Society 2020 Annual Meeting, October 2020.
19. Haddas R, **Satin AM**, Lieberman IH. What is Actually Happening inside the "Cone of Economy": Compensatory Mechanisms during a Dynamic Balance Test. 55th Annual Scoliosis Research Society Meeting, September 2020.

20. Sarwahi V, Hasan SS, Atlas AM, Galina JM, **Satin AM**, Amaral TD, Perfetti DC. Surgeon Volume Affects Short- and Long-Term Surgical Outcomes in Idiopathic Scoliosis. POSNA 2020 Annual Meeting, May 15, 2020.
21. Perfetti DC, Job A, **Satin AM**, Silber JS, Essig DA. Is Academic Department Teaching Status Associated with Adverse Outcomes After Lumbar Laminectomy and Discectomy for Degenerative Spine Diseases? Orthopaedic Research Society 2020 Annual Meeting, Phoenix, AZ; February 9, 2020.
22. Sarwahi V, Atlas AM, Perfetti DC, Hasan SS, Galina JM, **Satin AM**, Amaral TD. Surgeon Volume Affects Short- and Long-Term Surgical Outcomes in Idiopathic Scoliosis. North American Spine Society 2019 Annual Meeting, Chicago, IL; September 26, 2019.
23. Sarwahi V, Atlas AM, Perfetti DC, Hasan SS, Galina JM, **Satin AM**, Amaral TD. Surgeon Volume Affects Short- and Long-Term Surgical Outcomes in Idiopathic Scoliosis. Scoliosis Research Society 2019 Annual Meeting, Montréal, Canada; September 20, 2019.
24. Sarwahi V, **Satin AM**, Wendolowski SF, Prince JM, Christopherson N, Amaral TD. Pediatric Spine Fractures in the United States: A Review of the National Trauma Data Bank (NTDB), 2009-2014. Hofstra-Northwell Department of Orthopaedic Surgery 2019 Alumni Day, New Hyde Park, NY; June 7, 2019.
25. Goldstein J, **Satin AM**, Galina J, Lui DF, Yu H, Benton A, Khoyratty S, Wendolowski SF, Molloy S, Amaral TD, Sarwahi V. Risk Factors for Proximal Junctional Kyphosis after Scheuermann's Kyphosis Deformity Correction. Northwell Health Orthopaedic Research Symposium Manhasset, NY; April 11, 2019.
26. **Satin AM**, Perfetti DC, Kaji D, Silber JS, Essig DA. The Incidence of Subsequent Cervical Spine Surgery after Cervical Disc Arthroplasty, a Minimum Two-Year Follow-Up. Orthopaedic Research Society 2019 Annual Meeting, Austin, TX; February 2, 2019.
27. **Satin AM**, Perfetti DC, Kaji D, Silber JS, Essig DA. Subsequent Cervical Spine Surgery after Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion. North American Spine Society 2018 Annual Meeting, Los Angeles, CA; September 27, 2018.
28. **Satin AM**, Perfetti DC, Kaji D, Silber JS, Essig DA. The Incidence of Subsequent Cervical Spine Surgery after Cervical Disc Arthroplasty, a Minimum Two-Year Follow-Up. North American Spine Society 2018 Annual Meeting, Los Angeles, CA; September 26, 2018.
29. **Satin AM**, Perfetti DC, Kaji D, Silber JS, Essig DA. The Incidence of Subsequent Cervical Spine Surgery after Cervical Disc Arthroplasty, a Minimum Two-Year Follow-Up. Hofstra-Northwell Department of Orthopaedic Surgery 2018 Alumni Day, New Hyde Park, NY; June 1, 2018.

30. **Satin AM**, Norelli JB, Sgaglione NA, Grande DA. Anabolic and Anti-Inflammatory Effects of Combined Platelet Rich Plasma and Hyaluronic Acid on Bone Marrow-Derived Mesenchymal Stem Cells and Chondrocytes. American Academy of Orthopaedic Surgeons 2018 Annual Meeting, New Orleans, LA; March 9, 2018.
31. **Satin AM**, Norelli JB, Sgaglione NA, Grande DA. Anabolic and Anti-Inflammatory Effects of Combined Platelet Rich Plasma and Hyaluronic Acid on Bone Marrow-Derived Mesenchymal Stem Cells and Chondrocytes. Orthopaedic Summit 2017 Evolving Technologies, Las Vegas, NV; December 9, 2017.
32. **Satin AM**, Norelli JB, Sgaglione NA, Grande DA. Effect of Combined Platelet-Rich Plasma and Hyaluronic Acid on Bone Marrow-Derived Mesenchymal Stem Cell & Chondrocyte Metabolism. Hofstra-Northwell Department of Orthopaedic Surgery 2017 Alumni Day, New Hyde Park, NY; June 2, 2017.
33. **Satin AM**, Norelli JB, Sgaglione NA, Grande DA. Effect of Combined Platelet-Rich Plasma and Hyaluronic Acid on Bone Marrow-Derived Mesenchymal Stem Cell & Chondrocyte Metabolism. Northwell Health Orthopaedic Research Symposium New Hyde Park, NY; May 11, 2017.
34. Shah SS, **Satin AM**, Mullen JR, Merwin S, Goldin M, Sgaglione NA. Impact of recent guideline changes on aspirin prescribing after knee arthroplasty. Orthopaedic Summit 2016 Las Vegas, NV; December 2016.
35. Shah SS, **Satin AM**, Mullen JR, Merwin S, Goldin M, Sgaglione NA. Impact of recent guideline changes on aspirin prescribing after knee arthroplasty. Eastern Orthopaedic Association 47<sup>th</sup> Annual Meeting, New Orleans, LA; October 2016.
36. **Satin AM**, Norelli J, Gupta S, Plaza D, Liang H, Grande D. Effect of Combined Platelet-Rich Plasma and Hyaluronic Acid on Bone Marrow-Derived Mesenchymal Stem Cell Proliferation. Hofstra-Northwell Department of Orthopaedic Surgery 2016 Alumni Day, New Hyde Park, NY; June 3, 2016.

## Invited Lectures

1. **Satin AM**. Fellowship Training Should Involve a Balance of Procedural, Administrative, and Clinic Time. North American Spine Society 2024 Annual Meeting, Chicago, IL, September 27, 2024.
2. **Satin AM**. Applying Technology to Hands-On Surgical Training. North American Spine Society 2024 Annual Meeting, Chicago, IL, September 26, 2024.
3. **Satin AM**. Peptides: New Kid In Town. Orthopaedic Summit Evolving Technologies 2023, Boston, MA, September 22, 2023.
4. **Satin AM**. Spinal Motion Preservation: Disc Arthroplasty & Beyond, It's The Solution. Orthopaedic Summit Evolving Technologies 2023, Boston, MA, September 21, 2023.

5. **Satin AM.** Resident Fellow Education Track: Identifying Programs/Application Strategy. North American Spine Society 2023 Annual Meeting, Los Angeles, CA, October 20, 2023.
6. **Satin AM.** Advances in Spinal Fusion Cages and Graft Materials. North American Spine Society 2023 Annual Meeting, Los Angeles, CA, October 18, 2023.
7. **Satin AM.** Resident Fellow Education Track: Vetting Your Programs. North American Spine Society 2022 Annual Meeting, Chicago, IL, October 12, 2022.
8. **Satin AM.** Stop the Madness: Do Not Fuse This Patient. Orthopaedic Summit Evolving Technologies 2022, Boston, MA, September 23, 2022.
9. Lieberman IH, **Satin AM.** Surgical Technique Cadaver Demonstration: Percutaneous Facet Decortication and Fusion. North American Spine Society 2021 Annual Meeting, Boston, MA, October 30, 2021.
10. **Satin AM.** Thoracolumbar Spine Trauma. Texas Back Institute Neurosciences Conference, Plano, TX; December 13, 2019.
11. **AM Satin.** Recurrent Epidural Abscess, Osteomyelitis/Discitis and Meningitis After Elective Lumbar Decompression. 2<sup>nd</sup> Spine AOTK Experts Symposium Amsterdam, Netherlands; September 20, 2019.
12. **Satin AM.** Clinical Spine Anatomy. Emerging Trends and Technologies in Spine Surgery Northwell Health Orthopaedic Institute, Lake Success, NY; February 4, 2017. Course Clinical Content Reviewer.
13. **Satin AM.** Pediatric Spine Trauma. Hofstra-Northwell Department of Orthopaedic Surgery Grand Rounds, New Hyde Park, NY; August 17, 2016.
14. **Satin AM.** Hand Infections. Hofstra-Northwell Department of Orthopaedic Surgery Grand Rounds, New Hyde Park, NY; November 11, 2015.

## Research Posters

1. **Satin AM,** Derman PB, Guyer RD, Patwardhan AG, Rogers-LaVanne MP. Change in range of motion after cervical disc arthroplasty and the association with patient-reported outcomes at 2-years. Society for Minimally Invasive Spine Surgery 2024 Annual Meeting, Las Vegas, NV, September 2024.
2. Derman PB, **Satin AM,** Staub BN, Blumenthal S, Courtois EC, Rogers-LaVanne MP. Posterior Cervical Foraminotomy after Cervical Disc Arthroplasty. Society for Minimally Invasive Spine Surgery 2024 Annual Meeting, Las Vegas, NV, September 2024.
3. Rush AJ, Shenker T, Biard L, **Satin AM,** Derman PB, Rogers-LaVanne MP. Spine surgeons using Instagram rim to reach patients with #endoscopicspinesurgery. Society for Minimally Invasive Spine Surgery 2022 Annual Meeting, Las Vegas, NV, September 2022.

4. Robinson K, Mar D, Reichow A, **Satin AM**, Staub BN, Derman PB. Preliminary Comparison of Objective Functional Balance Tests to Better Assess Recovery Following Discectomy for Lumbar Disc Herniations. International Society for the Study of the Lumbar Spine 2022 Annual Meeting, Boston, MA, May 2022.
5. Haddas R, **Satin AM**, Mar D, Lieberman IH, Block AR, Belanger T, Kayanja MM, Kakar SS. The Effect of Scoliosis Support Orthosis Bracing on Adult Spinal Deformity Patients: Evaluation of Gait and Dynamic Balance. North American Spine Society 2021 Annual Meeting, Boston, MA, October 2021.
6. Haddas R, **Satin AM**, Lieberman IH, Mar D. The Effect of Scoliosis Support Orthosis Bracing on Adult Spinal Deformity Patients: Evaluation of Gait and Dynamic Balance. Scoliosis Research Society 2021 Annual Meeting, St. Louis, MO, September 2021.
7. Zigler J, Ohnmeiss D, Blumenthal SL, Guyer RD, **Satin AM**. In which cases do surgeons specializing in total disc replacement perform fusion in patients with symptomatic lumbar disc degeneration? North American Spine Society 2020 Annual Meeting, October 2020.
8. Kiridly DN, Sodhi N, Vakharia R, Anis H, **Satin AM**, Roche MW, Mont M. Increasing Elixhauser-comorbidity Index Score Is Associated With Increased 90-day Medical Complications And Greater In-hospital Length Of Stays In Patients Undergoing Primary Anterior Cervical Discectomy And Fusion. Orthopaedic Research Society 2020 Annual Meeting, Phoenix, AZ; February 2020.
9. Kiridly DN, Sodhi N, Vakharia R, Anis H, **Satin AM**, Ehirobo J, Roche MW, Mont M. Patient Complexity Is Associated with Increased 90-day Readmission Rates And 2-year Short Term Hardware Complications In Patients Undergoing Primary Anterior Cervical Discectomy And Fusion. Orthopaedic Research Society 2020 Annual Meeting, Phoenix, AZ; February 2020.
10. Perfetti DC, **Satin AM**, Amaral TD, Sarwahi V. Surgeon Volume Affects Short- and Long-Term Surgical Outcomes in Idiopathic Scoliosis. Orthopaedic Research Society 2020 Annual Meeting, Phoenix, AZ; February 2020.
11. Haddas R, **Satin AM**, Lieberman I. What is Actually Happening Inside the Cone of Economy (CoE): An Innovative Method to Quantify the CoE. Society for Minimally Invasive Spine Surgery 2019 Annual Forum, Las Vegas, NV; November 2019.
12. Perfetti DC, **Satin AM**, Goldstein J, Silber JS, Mauri T, Essig DA. Is Academic Department Teaching Status Associated with Adverse Outcomes After Lumbar Laminectomy and Discectomy for Degenerative Spine Diseases? North American Spine Society 2019 Annual Meeting, Chicago, IL; September 2019.
13. **Satin AM**, Perfetti DC, Kaji D, Silber JS, Essig DA. The Incidence of Subsequent Cervical Spine Surgery after Cervical Disc Arthroplasty, a Minimum Two-Year Follow-Up. Zucker School of Medicine at Hofstra/Northwell 2019 Academic Awards Day, Hempstead, NY; May 2019.

14. **Satin AM**, Norelli J, Liang H, Sgaglione NA, Grande D. Effect of Combined Platelet-Rich Plasma and Hyaluronic Acid on BMSC and Chondrocyte Metabolism. Orthopaedic Research Society 2017 Annual Meeting, San Diego, CA; March 2017.
15. Shah S, Mullen J, **Satin AM**, Merwin S, Lesser M, Goldin M, Rosenberg D, Sgaglione NA. Impact of Recent Guideline Changes on Aspirin Prescribing after Knee Arthroplasty. Orthopaedic Research Society 2016 Annual Meeting, Orlando, FL; March 2016.
16. Shah S, Mullen J, **Satin AM**, Merwin S, Lesser M, Goldin M, Rosenberg D, Sgaglione NA. Alignment of Venous Thromboembolism Prophylaxis Guidelines: Impact on Surgeon Prescribing for Knee Arthroplasty. American Academy of Orthopaedic Surgeons 2016 Annual Meeting, Orlando, FL; March 2016.
17. Shah S, Mullen J, **Satin AM**, Merwin S, Lesser M, Goldin M, Rosenberg D, Sgaglione NA. Alignment of Venous Thromboembolism Prophylaxis Guidelines: Impact on Surgeon Prescribing for Knee Arthroplasty. International Congress for Joint Reconstruction 2015 Transatlantic Orthopaedic Congress, New York, NY; October 2015.