

Sall Myers Medical Associates

Curriculum Vitae

Name: Michael C. Gerling, MD

For Appointments Call: 866-609-4448

Additional Information

Place of birth: Winnipeg, Canada

Current Appointments and Leadership Positions

Faculty Appointments

11/2018 - Current | Clinical Associate Professor | Non Tenure-Eligible | Department of Orthopedics | New York University | New York, New York

9/2011 - 10/2018 | Clinical Assistant Professor | Non Tenure-Eligible | Department of Orthopedics | New York University | New York, New York

6/2006 - 6/2010 | Clinical Assistant Professor | Non Tenure-Eligible | Department of Orthopedics | State University of New York, Downstate | Brooklyn, New York

Hospital Appointment

9/2011 - Current | Attending Orthopedic Surgeon | Department of Orthopedics | NYU Hospital for Joint Diseases | New York, New York

3/2009 - Current | Attending Orthopedic Surgeon | Department of Orthopedics | NYU Langone - Brooklyn | Brooklyn, New York

6/2006 - 6/2010 | Attending Orthopedic Surgeon | Department of Orthopedics | State University of New York, Downstate | Brooklyn, New York

Administrative Leadership Positions

3/2009 - Current | Departmental | Chief of Spinal Services | Department of Orthopedics | NYU Langone - Brooklyn | Brooklyn, New York

11/2019 - 2022 | Chairman of Education | Cervical Spine Research Society (CSRS) | Milwaukee, WI

Education and Training

Education

8/1986 - 8/1991 | High School | Earl Haig Secondary School | Toronto, Canada

8/1991 – 8/1995 | B.S. Molecular and Cellular Biology, Genetics | University of California, Berkeley | Berkeley, CA

8/1996 – 6/2000 | Doctor of Medicine | University of California, San Diego | San Diego, CA

Postdoctoral Training

7/2000 – 7/2005 | Residency | Department of Orthopedics | Ochsner Clinic | New Orleans, LA

7/2005 – 7/2006 | Henry Bohlman Spine Fellowship | Department of Orthopedics | Case Western Reserve University | Cleveland, OH

Specialty Certification

2008 - 2028 | American Board of Orthopedics – Full Board Certification

(Testing 8/2008 and Recertification 8/2017)

Licensure

2006 - Current | New York State Medical License | 241604

2011 - Current | New Jersey State Medical License | 47-3782660

2005 - 2007 | Ohio Medical License | Not Renewed

No History of License Restrictions or Censure

Previous Appointments and Leadership Positions

Faculty Academic Appointments

8/2006 – 7/2010 | Clinical Assistant Professor | Non Tenure-Eligible | Department of Orthopedics and Rehabilitation | SUNY Downstate Medical Center | Brooklyn, New York

Hospital Appointments

9/2011 – 2018 | Attending Orthopedic Surgeon | Department of Orthopedics | Lenox Hill Hospital | New York, New York

Administrative Leadership Positions

8/2006 – 7/2010 | Research | Director of Clinical Research | Department of Orthopedics and Rehabilitation | SUNY Downstate Medical Center | Brooklyn, NY

8/2006 – 7/2010 | Departmental | Director of Spine | Department of Orthopedics and Rehabilitation | SUNY Downstate Medical Center | Brooklyn, NY

Other Professional Positions

9/2001-9/2002 | Ochsner Clinic Foundation | Fellows Association Executive Committee | Member at Large | New Orleans, LA

9/2002-9/2003 | Ochsner Clinic Foundation | Therapeutics Committee | Member at Large | New Orleans, LA
9/2002-6/2005 | Orthopedist | New Orleans Criminal Sheriff's Department | General Orthopedist | New Orleans, LA

1/2006 – 7/2006 | Spinal Trauma Fellow | MetroHealth Hospital of Cleveland | Junior Faculty Attending | Cleveland, OH

7/2005 – 7/2006 | Degenerative Spine Fellow | University Hospital of Cleveland | Spinal Cord Injury Unit | Cleveland, OH

9/2007- 9/2008 | Brooklyn Orthopedic Society | Treasurer

9/2008- 9/2009 | Brooklyn Orthopedic Society | Secretary

9/2008- 9/2010 | SUNY Downstate | OR Committee | Member

9/2009- 9/2010 | Brooklyn Orthopedic Society | Vice-President

9/2010- 9/2011 | Brooklyn Orthopedic Society | President

9/2013-9/2015 | AAOS | Spine Program Committee | Member

9/2013-9/2016 | Cervical Spine Research Society (CSRS) | Program Committee | Member

4/2014-4/2016 | Lumbar Spine Research Society (LSRS) | Program Committee | Member
9/2015-9/2017 | ACSR Board Member | Executive Committee | Member
12/2017-12/2020 | Cervical Spine Research Society (CSRS) | ICL Program Committee | Member
4/2017 - 4/2020 | AAOS | Spine Curriculum Content Committee | Member
12/2018-12/2021 | Lumbar Spine Research Society (LSRS) | Program Committee | Member
4/2017 - 4/2021 | Federation of Spine Associations CSRS SubSection | Director
4/2020 - 4/2021 | Federation of Spine Associations | President Elect
11/2019 - 2022 | Chairman of Education | Cervical Spine Research Society (CSRS) | Milwaukee, WI
4/2017 - Current | Board of Directors | Cervical Spine Research Society (CSRS) | Milwaukee, WI

Awards, Honors, and Memberships in Honorary Societies

Internal

None

External

9/1995 | UCSF Department of Plastic Surgery, Supervisor: David Young, MD | UC Berkeley Honors Thesis Program
9/2003 | North American Spine Society | Travel Scholarship
9/2006 | Herndon Society | Fellow
9/2006 | Cervical Spine Research Society | Fellow Research Award Finalist

Research Activity

Research Activities

My current research interests are focused in the reporting of clinical outcomes in spinal disorders. Dr. Passias and I lead a team of 4 full time researchers housed within the NYU Orthopedics Department who support our interests in a wide variety of spinal disorders in adults and children. We utilize databases to investigate the impacts of treatment and co-morbidities on clinical outcomes, as well as to investigate the utility and applications of new patient reported outcome measures. Numerous annual research presentations are well received at national and international academic societies, where I frequently moderate sessions and guide curriculum. I currently prospectively collect data to follow patient reported outcome measures (PRO) on my clinical practice patients for research purposes. My longer term goal is to distinguish myself in outcomes reporting for endoscopic and other minimally invasive spine techniques.

Grant History

PAST:

National Institute of Health (NIH) | PI | 100% | Effect of laryngoscope blade type and c-spine immobilization technique on intubations | Short Term Research Grant | 6/1997 - 9/1997

Clinical Activity

My clinical practice has always focused on degenerative and traumatic disorders of the spine, primarily through the incorporation of minimally invasive surgical (MIS) technology and techniques. I was one of the first surgeons in NYC performing MIS Lumbar interbody fusions and I am currently one of the only surgeons performing true endoscopic spinal decompression and discectomy. For this reason, I frequently proctor national and international cadaver instructional courses for spine surgeon education.

Education Activity

I take great pride in educational activities during clinical practice, in consulting activities and as a volunteer in numerous academic societies. I have always sought to include a wide variety of students in my clinical practice, currently proctoring NYU med students, residents, and fellows during their spine rotations. I served as an attending of the spine rotation for SUNY Downstate orthopedic residents for 12 years continuously, and proctor Nurse Practitioner Students from NYU, in addition to Physical Therapists and Medical students both in the OR and in my private offices. Throughout my career I have innovated and taught courses at major academic surgeon focused societies and take pride in participation in hands-on cadaver courses for other practicing surgeons in numerous venues. I'm a moderator and set curriculum for the ICL, instructional course lecture for the CSRS annual meeting and was recently appointed Chairman for Education and member of the Board of Directors for the CSRS.

Teaching Activities

Manuscript

1. Gerling MC, Baker M, Stanton E, Chaladoff E, **Buser Z**. Nerve root retraction time during lumbar endoscopic discectomy: association with new onset radiculitis, a post-operative neurologic complication. *Eur Spine J*. 2023 Sep 25. doi: 10.1007/s00586-023-07952-6.

Podium Presentations

Gerling M, Baker M, Chaladoff E, Stanton E, **Buser Z**. Nerve root retraction time during lumbar endoscopic discectomy is associated with postoperative radiculitis. Annual meeting North American Spine Society, Oct 18-21, Los Angeles, CA USA
Gerling M, Baker M, Chaladoff E, Stanton E, **Buser Z**. Association Of Nerve Retraction Time During Lumbar Endoscopic Discectomy With The Onset Of Post-Operative Radiculitis. Global Spine Congress, May 31- June 22, 2023, Prague, Czech Republic

Gerling M, Baker M, Chaladoff E, Stanton E, Buser Z. The Incidence Of Complications In Split Tubular, Endoscopic And Robot- Assisted Endoscopic TLIF: There Is A Difference. Global Spine Congress, May 31- June 22, 2023, Prague, Czech Republic

Gerling M, Baker M, Chaladoff E, Stanton E, Buser Z. Nerve root retraction time during lumbar endoscopic discectomy surgery: Association with post-operative radiculitis. LSRS Annual Meeting, May 11-12, Chicago

Gerling M, Baker M, Chaladoff E, Stanton E, Buser Z. Nerve root retraction time during lumbar endoscopic discectomy surgery: Association with post-operative radiculitis. Spineweek, May 1-5, Melbourne, Australia

Gerling M, Baker M, Chaladoff E, Stanton E, Buser Z. The Incidence of Complications in Split Tubular, Endoscopic and Robotic-assisted Endoscopic TLIFs. Spineweek, May 1-5, Melbourne, Australia

Poster Presentations

Zambrano R, Saboori N, Baker M, Stanton E, Gerling M, Buser Z. The effect of preoperative HbA1c on complications in pre-diabetic and diabetic patients undergoing spine surgery. LSRS Annual Meeting, May 11-12, 2024 Chicago

Zambrano R, Saboori N, Baker M, Stanton E, Buser Z, Gerling M. The effect of preoperative HbA1c on complications in pre-diabetic and diabetic patients undergoing spine surgery. Spineweek, May 1-5, Melbourne, Australia

Curriculum development and other innovative educational activities

2008 – 2011 | Founder & Course Co-Director | Young Spine Surgeons Forum | North American Spine Society (NASS)

10/2008 | Instructional Course Lecture (ICL) | Course Director and Moderator | Young Spine Surgeons Forum | North American Spine Society | Toronto, Canada

11/2009 | Instructional Course Lecture (ICL) | Course Director and Moderator | Young Spine Surgeons Forum | North

American Spine Society | San Francisco, CA
10/2010 | Instructional Course Lecture (ICL) | Course Director and Moderator | Young Spine Surgeons Forum |
North American Spine Society | Orlando, FL
3/2018 | Course Director and Moderator - CSRS Subsection | Federation of Spine Associations (FOSA) - American
Academy of Orthopedic Surgeons (AAOS) | New Orleans, LA
3/2018 - 6-2018 | Webinar Development and Design | Adult Scoliosis - American Academy of Orthopedic Surgeons
(AAOS)
3/2018 - 6-2018 | Webinar Development and Design | Microdiscectomy - American Academy of Orthopedic Surgeons
(AAOS)
12/2018 | Instructional Course Lecture (ICL) | Section Moderator and Architect | Ambulatory Cervical Spine Surgery |
Cervical Spine Research Society | Scottsdale, AZ
12/2018 | Instructional Course Lecture (ICL) | Section Moderator and Architect | New Technology in Cervical Spine Surgery
| Cervical Spine Research Society | Scottsdale, AZ
3/2019 | Course Director and Moderator - CSRS Subsection | Federation of Spine Associations (FOSA) - American
Academy of Orthopedic Surgeons (AAOS) | Las Vegas, NV
5/13/19 / Course Co-Director And Cadaver Lab Proctor/ Endoscopic Spine Surgery Course for Surgeons/ Wolf Endoscopic
Labs/ Chicago, IL

Invited Talks and Teaching of Peers

[Internal](#)

Sponsored by NYU Langone Health

2013-9/2013 | Supervisor | Graduate Program | Clinical Preceptorship | Nursing Students | NYU Nursing School | NYU Rory
Meyers College of Nursing | New York, New York

Sponsored by all other NYU schools

2013 | Course Instructor | Treatment of Low Back Pain | Surgeons and Surgeons in Training | NYU Hospital for Joint Disease

[External to NYU Langone Health and all other NYU schools](#)

Extra-Departmental Lectureships

5/2008 | Grand Rounds | Speaker | Department of Family Medicine | SUNY Downstate | Brooklyn, New York
1/2009 | Grand Rounds | Speaker | Department of Neurology | SUNY Downstate | Brooklyn, New York
10/2007 | Grand Rounds | Speaker | Department of Rheumatology | SUNY Downstate | Frequency: 2 | Brooklyn, New York
7/2017 | Grand Rounds | Speaker | Department of Family Medicine | Brookdale Hospital | Brooklyn, New York
4/2007 | Grand Rounds | Speaker | Internal Medicine | Kingsbrook Jewish Medical Center | Brooklyn, New York
1/2007 | Grand Rounds | Speaker | Internal Medicine and Family Medicine Departments | Interfaith Medical Center | Brooklyn, New York
2/2008 | Grand Rounds | Speaker | Neurology and Internal Medicine | Long Island College Hospital | Brooklyn, New York
10/2006 | Resident Lectureship | Speaker | Family Medicine | Medical Residents | SUNY Downstate | Brooklyn, New York
2/2008 | Resident Lectureship | Speaker | Internal Medicine | Medical Residents | Long Island College Hospital | Brooklyn, New York
2007 | Keynote Speaker | Constantine and Helen Cathedral | Community Graduation Banquet | Brooklyn, NY
2007-2008 | Medical Student Lectureship | Speaker | Physical Examinations | Medical Students | SUNY Downstate | Brooklyn, New York
2007-2009 | Medical School Orthopedics Interest Group | Medical Students | SUNY Downstate | Brooklyn, New York
10/2008 | Speaker | Young Spine Surgeons Forum | Introduction and Pathophysiology of Lumbar Degenerative Spondylolisthesis | North American Spine Society | Toronto, Canada
10/2008 | Speaker | Young Spine Surgeons Forum | Intraoperative Management and Prevention of Complications | North American Spine Society | Toronto, Canada
10/2008 | Speaker | Young Spine Surgeons Forum | Introduction and Pathophysiology of Lumbar Degenerative Spondylolisthesis | Surgeons and Surgeons in Training | North American Spine Society | Toronto, Canada
10/2010 | Instructional Course Lecture (ICL) | Speaker | Treatment of Severe Cervical Kyphotic Deformity | North American Spine Society | Orlando, FL
10/2010 | Instructional Course Lecture (ICL) | Speaker | Treatment of Severe Cervical Kyphotic Deformity | Cervical Spine Research Society | Charlotte, NC
2/2011 | Instructional Course Lecture (ICL) Hands on Skills Course, 5SK | Speaker | Advanced Surgical Techniques for Sagittal Plane Spinal Deformity: Thoracolumbar osteotomy and spine and pelvic fixation techniques, for the treatment of sagittal plane deformity | American Academy of Orthopedic Surgery | San Diego, CA
2/2011 | Instructional Course Lecture (ICL) | Speaker | Interspinous Devices and MIS Decompression for Spinal Stenosis | American Academy of Orthopedic Surgery | San Diego, CA
6/2011 | Instructional Course Lecture (ICL) | Moderator | Cervical Technologies | American College of Spine Surgery | Las Vegas, NV
6/2011 | Instructional Course Lecture (ICL) | Speaker | Pearls and Pitfalls of MIS TLIF | American College of Spine Surgery | Las Vegas, NV
6/2011 | Instructional Course Lecture (ICL) | Speaker | Cervical Technologies: Interbody Spacers | American College of Spine Surgery | Las Vegas, NV
6/2011 | Instructional Course Lecture (ICL) | Speaker | Lumbar Technologies: Lumbosacral Fixation | American College of Spine Surgery | Las Vegas, NV
2/2012 | Instructional Course Lecture (ICL) | Speaker | Advanced Surgical Techniques for Sagittal Plane Spinal Deformity: Thoracolumbar osteotomy and spine and pelvic fixation techniques, for the treatment of sagittal plane deformity | American Academy of Orthopedic Surgery | San Francisco, CA
12/2012 | Instructor | 17th Instructional Course | Cervical Spine Research Society (CSRS)
12/2012 | Instructional Course Lecture (ICL) | Speaker | Complications in Cervical Spine Surgery | Cervical Spine Research Society | Phoenix, AZ
3/2013 | Instructional Course Lecture (ICL) | Speaker | MIS Surgeon's Course | Minimally Invasive TLIF Pearls and Techniques | Las Vegas, NV
4/2013 | Instructional Course Lecture (ICL) | Moderator | Lumbar Spine Research Society Meeting | Biologics Symposium | Lumbar Spine Research Society | Chicago, IL

6/2013 | Instructional Course Lecture (ICL) | MIS Surgeon's Course | Speaker | Cervical Spine Surgery and Complications | Las Vegas, NV

8/2013 | Instructional Course Lecture (ICL) | MIS Surgeon's Course | Speaker | Minimally Invasive Pedicle Screws | Long Island, NY

8/2013 | Instructional Course Lecture (ICL) | MIS Surgeon's Course | Speaker | Minimally Invasive TLIF Techniques: Cadaveric Demonstration | Long Island, NY

5/14/2015-5/16/2015 | Debate | Speaker | Spine A-Z: Current Concepts and Controversies | Cervical Foraminotomy Vs. ACDF Vs. TDR | Spine Study Group | Miami, FL

3/2015 | Spinal Infections Symposium | Speaker | Vertebral Osteomyelitis: Treatment Strategies | American Academy of Orthopedic Surgery | Las Vegas, NV

12/2016 | ICL - Oral Debate | Speaker | Steroids in Spinal Cord Injury: Why I use them | Cervical Spine Research Society | Toronto, Canada

3/2017 | ICL - Case Based Approach to Treatment of Spinal Deformity | Speaker | American Academy of Orthopedic Surgery | San Diego, CA

12/2017 | Surgical Technique Instruction | Endoscopic Cadaver Instructor | Cornell 11th New York City Minimally Invasive Spine, Spinal Endoscopy, Robotics & 3D Navigation Symposium: Case-based and Hands-on | Cadaver Lab | New York, NY

3/2018 | Speaker | Cervical Myelopathy: Medical Treatment Options | Federation of Spine Associations (FOSA) - American Academy of Orthopedic Surgeons (AAOS) | New Orleans, LA

12/2018 | Instructional Course Lecture (ICL) | Speaker | Ambulatory Cervical Spine Surgery | Cervical Spine Research Society | Scottsdale, AZ

12/2018 | Instructional Course Lecture (ICL) | Speaker | New Technology in Cervical Spine Surgery | Cervical Spine Research Society | Scottsdale, AZ

2/15/2019 | Speaker | The Operative Perspective on Endoscopic Discectomy: Case and Video Presentation | NASS | Park City, UT.

2/14/2019 | Speaker | Economic Analysis: Surgeon's and Patient's Perspective | NASS | Park City, UT.

4/3/2019 | Instructional Course Lecture (ICL) | Speaker | Session 3: Case Selection and Approach in the Ambulatory Setting | Lumbar Spine Research Society (LSRS) | Chicago, IL

Mentoring and Advising

(Please indicate by asterisk * in front of the names of those mentees who are cited on publications in your CV. If you know the Current Academic title and Institution of your mentee, you may indicate)

[Predoctoral students supervised and/or mentored](#)

2007-Current | Ria Roberts | Advisor - Pre-med /Pre-doctoral Research/ Residency | Resident - Internal Medicine | Yale in New Haven, CT

9/2015-9/2017 | Poorman, Gregory W | NYU Scoliosis Research Foundation | Orthopedics Dept | Researcher | Currently MPH Student NYU

9/2013-9/2014 | Nancy Worley | NYU Scoliosis Research Foundation | Orthopedics Dept | Researcher | Currently Medical Student, Tulane School of Medicine

9/2016-9/2017 | Dante Levin | NYU Scoliosis Research Foundation | Orthopedics Dept | Researcher | Currently Attending Surgeon, Mt. Sinai Medical Center

9/2013-9/2014 | Bianco Kristine M | NYU Scoliosis Research Foundation | Orthopedics Dept | Researcher

9/2017-Current | Diebo, Bassel G | NYU Scoliosis Research Foundation | Orthopedics Dept | Researcher | Currently Ortho Resident at SUNY Downstate

9/2017-Current | Bortz, Cole | NYU Scoliosis Research Foundation | Orthopedics Dept | Researcher

[Postdoctoral students supervised and/or mentored](#)

None

Faculty mentored

9/2016 - Current | Joseph Pyun, MD | Orthopedics Department | Clinical Assistant Professor | NYU Langone

Institutional, Local/National Service and Related Activity

Institutional Service

3/2009 - Current | Hospital | Attending Orthopedic Surgeon | Department of Orthopedics at NYU Langone - Brooklyn

9/2011 - Current | Hospital | Attending Orthopedic Surgeon | Department of Orthopedics at NYU Hospital for Joint Diseases

9/2011 – 2018 | Hospital | Attending Orthopedic Surgeon | Department of Orthopedics at Lenox Hill Hospital

8/2006 – 7/2010 | Hospital | Director | Spine Service Line | Department of Orthopedics and Rehabilitation at SUNY Downstate Medical Center

1/2006 – 7/2006 | Hospital | Junior Faculty Attending, Spinal Trauma Fellow | MetroHealth Hospital of Cleveland

7/2005 – 7/2006 | Hospital | Spinal Cord Injury Unit, Degenerative Spine Fellow | University Hospital of Cleveland

Professional Service

Professional Service for Professional Organizations

2000 – Current | Member | American Medical Association (AMA)

2001 | Ochsner Clinic Foundation | Fellows Association Executive Committee

2002 | Ochsner Clinic Foundation | Therapeutics Committee

2005 – Current | Member | Henry Bohlman's "Wine and Spine Society"

2006 – Current | Member | Brooklyn Orthopedic Society

2006 – Current | Member | Herndon Society

2008 – Current | Member | Fellow of American Academy of Orthopedic Surgery (FAAOS)

2009 – Current | Member | AO North America

2009 – Current | Member | North American Spine Society (NASS)

2009 – Current | Member | Cervical Spine Research Society (CSRS)

2007-2008 | Brooklyn Orthopedic Society | Treasurer

2008-2009 | Brooklyn Orthopedic Society | Secretary

2008-2010 | Member | SUNY Downstate | OR Committee

2008 - Current | Young Surgeons Forum | North American Spine Society Pre-Meeting Course | Course Committee | Clinical Section Co-Director

2008 - Current | Young Surgeons Forum | North American Spine Society Pre-Meeting Course | Course Committee | Faculty Moderator

2008 - Current | Young Surgeons Forum | North American Spine Society Pre-Meeting Course | Course Committee | Speaker

2009-2010 | Brooklyn Orthopedic Society | Vice-President

2009 | Young Spine Surgeons Study Group | Co-Founder

2010-2011 | Brooklyn Orthopedic Society | President

2012 – Current | Member | Lumbar Spine Research Society (LSRS)

2013-2015 | AAOS | Spine Program Committee

2013-2016 | Cervical Spine Research Society (CSRS) | Program Committee

2013-2018 | Member | Spine Research Foundation – NYU Department of Orthopedics

2014-2016 | Lumbar Spine Research Society (LSRS) | Program Committee

2015 | Association for Collaborative Spinal Research (ACSR) Board Member | Executive Committee

2017 – Current | Member | Federation of Spine Associations (FOSA)

2017 – Current | Executive Council for Education | American Academy of Orthopedic Surgeons (AAOS) | Spine Content Committee Council

2017-2020 | FOSA-AAOS | Program Chairperson (CSRS)

2018-2021 | Lumbar Spine Research Society (LSRS) | Program Committee

2018-2021 | Cervical Spine Research Society (CSRS) | Instructional Course Lecture Committee

2020 | President Elect | Federation of Spine Associations (FOSA)
11/2019 - 2022 | Chairman of Education | Cervical Spine Research Society (CSRS)

Peer Review Groups, Grant Application Review Groups, and Study Sections

2014 – Current | Member | International Spine Study Group (ISSG)
2014 – 2017 | Member | Association for Collaborative Spinal Research (ACSR)

Advisory Boards and Consultant Positions

2017- Current | Consultant | Wolf Endoscopic Surgical
2018- Current | Member | Cervical Spine Research Society (CSRS) Board of Directors

Organizing Roles in Scientific Meetings

11/2019 | Moderator and Section Director | ICL- Cervical Spine Research Society (CSRS)
4/2019 | Moderator | FOSA – AAOS Specialty Day | Cervical Spine Research Society (CSRS)
11/2018 | Moderator and Section Director | ICL- Cervical Spine Research Society (CSRS)
3/2018 | Moderator | FOSA – AAOS Specialty Day | Cervical Spine Research Society (CSRS)
12/1/2017 | Moderator | Session X: Spinal Cord | Cervical Spine Research Society (CSRS) | Hollywood, FL
3/2017 | Moderator | FOSA – AAOS Specialty Day | Cervical Spine Research Society (CSRS)
2017 | Meeting Moderator - Degenerative Lumbar Section | International Society for the Advancement of Spine Surgery (ISASS)
2016 | Meeting Moderator - Miscellaneous Paper Section | Lumbar Spine Research Society (LSRS)
2015 | Meeting Moderator - Miscellaneous Paper Section | Lumbar Spine Research Society (LSRS)
2015 | Meeting Moderator - Paper Session | American Academy of Orthopedic Surgeons (AAOS)
2014 | Meeting Moderator - Complications Section | Lumbar Spine Research Society (LSRS)
2013 | Moderator – Basic Science | Lumbar Spine Research Society (LSRS) | Chicago, IL
2012 | Moderator – Complications Section | Cervical Spine Research Society (CSRS)

Editorial and Journal Positions

2006-Current | Editorial Reviewer | Spine Journal
2017-Current | Editorial Reviewer | Operative Neurosurgery

Community Service, Volunteer Activities, and Teaching of Patients

2018 | Medical Volunteer | AVP American Volleyball Professional Association Tour

Military Service

None

Bibliography

Peer-reviewed Publications

1. Gerling MC, Jossart G, Duh QY, Weier HU, Clark OH, Young DM. Invasion of Human Follicular Thyroid Carcinoma Cells in an in vivo Invasion Model. *Thyroid*. 1999 Dec;9(12):1221-6. doi: 10.1089/thy.1999.9.1221
2. Gerling MC, Davis DP, Hamilton RS, Morris GF, Vilke GM, Garfin SR, Hayden SR. Effects of Cervical Spine Immobilization Technique and Laryngoscope Blade Selection on an Unstable Cervical Spine in a Cadaver Model of Intubation. *Ann Emerg Med* 2000 Oct;36(4):293-300. doi: 10.1067/mem.2000.109442

3. Gerling MC, Davis DP, Hamilton RS, Garfin SR, Hayden SR. Effect of Surgical Cricothyrotomy on the Unstable Cervical Spine in a Cadaver Model of Intubation. *J Emerg Med*. 2001 Jan;20(1):1-5. doi: 10.1016/S0736-4679(00)00287-0
4. Gerling MC, Pfirrmann CW, Farooki S, Kim C, Boyd GJ, Feng SA, Jacobson JA, Resnick D, Brage ME. Posterior Tibial Tendon Tears: Comparison of the Diagnostic Efficacy of MRI and Ultrasound for the Detection of Surgically Created Longitudinal Tears in Cadavers, *Invest Radiol*. 2003 Jan;38(1):51-6. doi: 10.1097/01:RLI.0000040852.70879.C8
5. Gerling MC, Authement L, Turley L, Kaye J. Long-Term Follow Up After Partial Fasciectomy for Dupuytren's Contracture Using the Disability of Arm, Shoulder and Hand (DASH) and Patient Rated Wrist/Hand Evaluation (PRWHE) Questionnaires. Manuscript in Progress.
6. Gerling MC, Bohlman HH. Dropped Head Deformity due to Cervical Myopathy: Surgical Treatment Outcomes and Complications Spanning Twenty Years. *Spine (Phila Pa 1976)*. 2008 Sep 15;33(20):E739-45. doi: 10.1097/BRS.0b013e31817f1f8b
7. Gerling MC. Effects of Spinous Process Excision on Adjacent Level Motion: A Biomechanical Cadaveric Model. Manuscript in Progress.
8. Morr S, Shanti N, Carrer A, Kubeck J and Gerling MC. Quality of information concerning cervical disc herniation on the Internet. *Spine J*. 2010 Apr;10(4):350-4. Doi: 10.1016/j.spinee.2010.02.009. Review.
9. Gerling MC, Eubanks JD, Patel R, Whang PG, Bohlman HH, Ahn NU. Cement Augmentation for Refractory Osteoporotic Vertebral Compression Fractures: Survivorship Analysis. *Spine (Phila Pa 1976)*. 2011 Sep 1;36(19):E1266-9. doi: 10.1097/BRS.0b013e31820a0b3f.
10. Patel RD, Graziano GP, Vanderhave KL, Patel AA, Gerling MC. Facet Violation with the Placement of Percutaneous Pedicle Screws. *Spine (Phila Pa 1976)*. 2011 Dec 15;36(26):E1749-52. doi: 10.1097/BRS.0b013e318221a800.
11. Auerbach JD, McGowan KB, Halevi M, Gerling MC, Sharan AD, Whang PG, Maislin G. Mitigating Adverse Event Reporting Bias in Spine Surgery. *J Bone Joint Surg Am*. 2013 Aug 21;95(16):1450-6. doi: 10.2106/JBJS.L.00251.
12. *Poorman CE, Passias PG, *Bianco KM, Boniello A, Yang S, Gerling MC. Effectiveness of Postoperative Wound Drains in One- and Two-Level Cervical Spine Fusions. *Int J Spine Surg*. 2014 Dec 1;8. doi: 10.14444/1034. eCollection 2014.
13. *Leven D, Passias PG, Errico TJ, Lafage V, Bianco K, Lee A, Lurie JD, Tosteson TD, Zhao W, Spratt KF, Morgan TS, Gerling MC. Risk Factors for Reoperation in Patients Treated Surgically for Intervertebral Disc Herniations: A Subanalysis of Eight-Year SPORT Data. *J Bone Joint Surg Am*. 2015 Aug 19;97(16):1316-25. doi: 10.2106/JBJS.N.01287.
14. Gerling MC, *Leven D, Passias PG, Lafage V, Bianco K, Lee A, Lurie JD, Tosteson TD, Zhao W, Spratt KF, Radcliff K, Errico TJ. Risk Factors for Reoperation in Patients Treated Surgically for Lumbar Stenosis: A Subanalysis of the 8-year Data from the SPORT Trial. *Spine (Phila Pa 1976)*. 2016 May;41(10):901-9. doi: 10.1097/BRS.0000000000001361.
15. Gerling MC, *Leven D, Passias PG, Lafage V, *Bianco K, Lee A, Morgan TS, Lurie JD, Tosteson TD, Zhao W, Spratt KF, Radcliff K, Errico TJ. Risks Factors for Re-operation in Patients Treated Surgically for Degenerative Spondylolisthesis: A Subanalysis of the 8-year Data from the SPORT Trial. *Spine (Phila Pa 1976)*. 2017 Oct 15;42(20):1559-1569. doi: 10.1097/BRS.0000000000002196.

16. Gerling MC, Radcliff K, Isaacs R, et al. "Trends in Non-operative Treatment Modalities Prior to Cervical Surgery and Impact on Patient-Derived Outcomes: Two Year Analysis of 1522 Patients from the Prospective Spine Treatment Outcome Study." *International Journal of Spine Surgery*. October 4, 2016.
17. Passias PG, Auerbach J, Gerling MC, et al. Differences in Primary and Revision Deformity Surgeries: Following 1,063 Primary Thoracolumbar Adult Spinal Deformity Fusions over Time. *J of Spine Surgery*, In Review
18. Passias PG, Poorman GW, Jalai CM, Neuman B, de la Garza-Ramos R, Miller E, Jain A, Sciubba D, McClelland S, Day L, Ramchandran S, Vira S, Diebo B, Isaacs E, Bono O, Bess S, Gerling M, Lafage V. Morbidity of Adult Spinal Deformity Surgery in Elderly Has Declined Over Time. *Spine (Phila Pa 1976)*. 2017 Aug 15;42(16):E978-E982.
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20. Gerling MC, Radcliff K, Arnold PM, Vaccaro AR, Passias P et al. Two-Year Results of the Prospective Spine Treatment Outcomes Study: An Analysis of Complication Rates, Predictors of Their Development, and Effect on Patient Derived Outcomes at 2 Years for Surgical Management of Cervical Spondylotic Myelopathy. *World Neurosurg*. 2017 Oct;106:247-253.
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23. Peter G. Passias, MD; Charles Wang, BS; *Gregory W. Poorman, BA; Samantha Horn, BA; Han Jo Kim, MD; Virginie LaFage, PhD; Gerling, MG. The Correlation Between Cervical Alignment and Posterior Cervical Muscle Fatty Infiltration at Baseline in Cervical Deformity Patients. *Journal of Clinical Spine Surgery* (in Review)
24. Passias PG, Gerling M, LaFage V, Errico T et al. Predictors of Hospital Length of Stay and 30-Day Readmission in Cervical Spondylotic Myelopathy Patients: An Analysis of 3057 Patients Using the ACS-NSQIP Database. *World Neurosurg*. 2018 Feb;110:e450-e458
25. Gerling MC, Radcliff K, Isaacs R, Bianco K, Jalai CM, *Worley NJ, *Poorman GW, Horn SR, Bono OJ, Moon J, Arnold PM, Vaccaro AR, Passias P. Trends in Nonoperative Treatment Modalities Prior to Cervical Surgery and Impact on Patient-Derived Outcomes: Two-Year Analysis of 1522 Patients From the Prospective Spine Treatment Outcome Study. *International Journal of Spine Surgery* June 2018 12(2):250-259 (# 3327802); DOI: <https://doi.org/10.14444/5031>
26. *Diebo, Bassel G; Tishelman, Jared C; Horn, Samantha; *Poorman, Gregory W; Jalai, Cyrus; Segreto, Frank A; Bortz, Cole A; Gerling, Michael C; Lafage, Virginie; White, Andrew P; Mok, James M; Cha, Thomas D; Eastlack, Robert K; Radcliff, Kris E; Paulino, Carl B; Passias, Peter G. The impact of mental health on patient-reported outcomes in cervical radiculopathy or myelopathy surgery. *Journal of Clinical Neuroscience*. 2018 (-) (- (# 3155362)
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29. Passias, PG, Cole Bortz, Michael Gerling, Frank Segreto, Yael Ihejirika, Virginie Lafage, David Ge, Dr Aaron Hockley, Bassel G. Diebo, Dennis Vasquez-Montes, Aaron Buckland, Edward Delsole, Shaleen Vira, Nicholas Stekas, Renaud Lafage, Samantha Horn, Thomas Errico, Anthony Petrizzo, John J. Kelly, Mara Karamitopoulos. Impact of Presenting Patient Characteristics on Surgical Complications and Morbidity in Early Onset Scoliosis. *Journal of Clinical Neuroscience*. Submission no: JOCN_2018_1227. Pending Review
30. Gerling M, Mundis GM, Uribe JS, Park P, Mummaneni PV, Fu KG, Tran S, Than KD, Nunley PD, Okonkwo DO, Fessler RG, Anand N. The Impact of Revision Surgery on Patients Undergoing MIS Correction of Adult Spinal Deformity: A Multi-Center Study. Pending Review
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32. Passias PG, Gerling MC, et al. Defining Age-Adjusted Spinopelvic Alignment Thresholds: Should we Investigate BMI? (The "Work") Spine (Phila Pa 1976) Submitted
33. Passias PG, Raad M, Gerling MC, Diebo BG, Varlotta CG, Sciubba DM, Vira SN, Hockley A, Ge DH, Alas H, Pierce KE, Lafage V, DelSole EM, Horn SR, Bortz, C, Shepard N, Ihejirika Y, Neuman BJ, Vasquez-Montes D, Brown A, Oh C, Segreto FA, Jankowski P. Decreased Rates of 30-Day Perioperative Complications Following ASD-Corrective Surgery: A Modified Clavien Analysis of 3,300 Patients from 2010-2014. *Journal of Clinical Neuroscience*. 2018 ():- (# 3457162)
34. Passias PG, Hasan S, Radcliff K, Isaacs R, Bianco K, Jalai CM, Poorman GW, Worley NJ, Horn SR, Boniello A, Zhou PL, Arnold PM, Hsieh P, Vaccaro AR, Gerling MC. 'Arm Pain Versus Neck Pain: A Novel Ratio as a Predictor of Post-Operative Clinical Outcomes in Cervical Radiculopathy Patients'. *International journal of spine surgery*. 2018 12(5):629-637 (# 3385522)
35. Passias PG, Protopsaltis T, Diebo BG, Maglaras C, Woo D, Buckland A, Gerling MC, Janjua MB, Brown A, Bortz C, Alas G, Pierce K, Fischer C, Ayres E, Vasquez-Montes D. 'Factors Influencing Length of Stay Following Cervical Spine Surgery: A Comparison of Myelopathy and Radiculopathy Patients'. *Journal of Clinical Neuroscience*. JOCN_2019_644. Submitted.
36. Gerling MC, Passias PG. 'Same Day Surgical Intervention Dramatically Minimizes Complication Occurrence and Optimizes Peri-operative Outcomes for Central Cord Syndrome'. *Clinical Spine Surgery*. Submitted.
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38. Gerling MC, Passias PG. 'PROMIS Better Reflects the Impact of Length of Stay and the Occurrence of Complications within 90 Days than Legacy Outcome Measures for Lumbar Degenerative Surgery (the "Work")'. *Spine (Phila Pa 1976)*. Submitted.

Peer-reviewed reviews

None

Non peer-reviewed publications

1. Gerling MC. Commentary on Spinal Disk Replacement Technology. The Brooklyn Orthopedic Society Bulletin 2007 Nov; p. 1-2

Book Chapters, Books

1. Gerling MC. Surgery for Neromuscular Kyphosis. In: Benzel EC, editor. The Cervical Spine. 5th ed. Cervical Spine Research Society. Philadelphia: Lippincott, Williams and Wilkins (LWW); 2011
2. Gerling MC. Treatment of Low Grade Spondylolisthesis. In: Kim DH, Vaccaro AR, Whang PG, Kim SD, Kim SH, editors. Lumbosacral and Pelvic Procedures. 1st ed. Boca Raton, FL: CRC Press; 2013
3. Quereshi SA, Koehler SM, Gerling MC. Management of Dural Tears in Spinal Surgery. In: Patel VV, Patel A, Harrop JS, Burger E, editors. Spine Surgery Basics. New York: Springer-Verlag Berlin Heidelberg; 2014. p. 509-519
4. Gerling MC, Quereshi SA. Surgical Approaches. In: Patel VV, Patel A, Harrop JS, Burger E, editors. Spine Surgery Basics. New York: Springer-Verlag Berlin Heidelberg; 2014. p. 91-98
5. Gerling MC. Scoliosis. In: Complications of Spinal Instrumentation. 2013.
6. Gerling MC. Endoscopic Spine Surgery. In: Operative Orthopedics, UPMC, Publication pending

Editorials and Commentaries

1. Gerling MC, Hale S. "Patient Selection in Ambulatory Surgery". Journal of Spine Surgery, Publication Pending
2. Gerling MC. "Role of Society Leadership in Surgeon Education: Commentary from the CSRS", in Journal of Spine Practice, Publication pending

Book reviews

None

Meeting Reports, Consensus Reports, practice guidelines and any other publication

Media appearances

None

Other Media including Research and Analytic tools (Please include description)

Abstracts

1. Endoscopic Percutaneous Discectomy Does Not Decrease Complications, Readmission, or Length of Stay in 522 Patients
2. *Wilker M, Gerling MC, Mitgang J. Adjacent Level Motion After Lumbar Surgery: Comparing Laminectomy with Posterior Instrumented Fusion, <http://www3.aaos.org/education/anmeet/anmt2010/poster/poster.cfm?Pevent=P390>
3. Gerling MC, Davis DP, Hamilton RS, Morris GF, Vilke GM, Garfin SR, Hayden SR. Effects of cervical spine immobilization technique and laryngoscope blade selection on an unstable cervical spine in a cadaver model of intubation, Ann Emerg Med, Sept 1998, 32(3), Supp 2: s13
4. Pfirrmann CW, Gerling MC, Farooki S, Kim C, Brage ME, Resnick DL. PTT tears: Comparison between MR Imaging and US in the analysis of surgically created lesions in cadavers. Radiology Supp, Feb 2000: 215
5. Gerling MC. Operative versus non-operative treatment for adult spinal deformity: A meta-analysis characteristics and postoperative outcome. Pending Review
6. Michael Gerling; Gregory M. Mundis, MD; Juan S. Uribe, MD, FAANS; Paul Park, MD; Praveen V. Mummaneni, MD; Kai-Ming G. Fu, MD, PhD; Stacie Tran, BS, MPH; Khoi Duc Than, MD; Pierce D. Nunley, MD; David O. Okonkwo, MD, PhD; Richard G. Fessler, MD, PhD; Neel Anand. The Impact of Revision Surgery on Patients Undergoing MIS Correction of Adult Spinal Deformity: A Multi-Center Study. ISSG, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves: 2018 Meeting

7. Michael Gerling; Gregory M. Mundis, MD; Juan S. Uribe, MD, FAANS; Paul Park, MD; Praveen V. Mummaneni, MD; Kai-Ming G. Fu, MD, PhD; Stacie Tran, BS, MPH; Khoi Duc Than, MD; Pierce D. Nunley, MD; David O. Okonkwo, MD, PhD; Richard G. Fessler, MD, PhD; Neel Anand. The Impact of Revision Surgery on Patients Undergoing MIS Correction of Adult Spinal Deformity: A Multi-Center Study. SOLAS 2018
8. Michael Gerling; Gregory M. Mundis, MD; Juan S. Uribe, MD, FAANS; Paul Park, MD; Praveen V. Mummaneni, MD; Kai-Ming G. Fu, MD, PhD; Stacie Tran, BS, MPH; Khoi Duc Than, MD; Pierce D. Nunley, MD; David O. Okonkwo, MD, PhD; Richard G. Fessler, MD, PhD, Neel Anand. Presentation 84: Undergoing Bariatric Surgery Lowers Complication Rates Following Spine Surgery in Morbidly Obese Patients 15604. Cervical Spine Research Society (CSRS). Pending Review

Oral and poster presentations

- 2/15/2019 | Michael C. Gerling | The Operative Perspective on Endoscopic Discectomy: Case and Video Presentation | NASS | Park City, UT.
- 2/14/2019 | Michael C. Gerling | Economic Analysis: Surgeon's and Patient's Perspective | NASS | Park City, UT.
- 2019 | Peter Passias, *Cole Bortz, Samantha Horn, Frank Segreto, Kartik Shenoy, *Bassel Diebo, Renaud Lafage, Aaron Buckland, Michael Gerling | Diminishing Clinical Returns of Multilevel Minimally Invasive Lumbar Interbody Fusion | AAOS | Las Vegas, NV.
- 2019 | *Cole A. Bortz, Samantha Horn, Frank Segreto, Jessica Morton, *Bassel Diebo, Renaud Lafage, Virginie Lafage, Michael Gerling, Peter Passias | Complication Risk in Primary and Revision Minimally Invasive Lumbar Interbody Fusion: A Comparable Alternative to Conventional Open Techniques? | AAOS | Las Vegas, NV.
- 2019 | Peter G. Passias, *Cole A. Bortz, Frank A. Segreto, Samantha R. Horn, *Bassel Diebo, Carl Paulino, Rivka Ihejirika, Michael C. Gerling, Thomas J. Errico | Pelvic Incidence Affects Age-Adjusted Alignment Outcomes in a Population of Adult Spinal Deformity | AAOS | Las Vegas, NV.
- 2018 | Peter G. Passias, Dennis Vasquez-Montes, Samantha R. Horn, *Cole Bortz, Frank A. Segreto, Aaron J. Buckland, Themistocles S. Protopsaltis, Han Jo Kim, Michael Gerling, Renaud Lafage, Thomas J. Errico, Frank J. Schwab, Virginie Lafage | Redefining the Cervical Disability Threshold of T1 Slope minus Cervical Lordosis | CSRS | Scottsdale, AZ.
- 2018 | Peter Passias, Charles Wang, Gregory Poorman, Samantha Horn, Frank Segreto, *Cole Bortz, Han Jo Kim, Virginie Lafage, Michael Gerling | The Correlation Between Cervical Alignment and Posterior Cervical Muscle Fatty Infiltration at Baseline in Cervical Deformity Patients | AANS/CNS Joint Section | Orlando, FL.
- 2018 | Peter Passias, *Gregory Poorman, Dennis Vasquez-Montes, Gregory Mundis, N. Anand, Samantha Horn, Bassel Diebo, *Cole Bortz, Frank Segreto, Muhammed Burhan bin Janjua, Douglas Burton, Aaron Buckland, Michael Gerling, Alexandra Soroceanu, Robert Eastlack, D. Kojo Hamilton, Robert Hart, Frank Schwab, Virginie Lafage, Christopher Shaffrey, Daniel Sciubba, Shay Bess, Christopher Ames, Eric Klineberg | Predictive Analytics for Determining Extended Operative Time in Corrective ASD Surgery | AANS/CNS Joint Section | Orlando, FL.
- 2018 | Peter Passias, Samantha Horn, *Gregory Poorman, John Moon, Peter. Zhou, Jared Tishelman, Leah Steinmetz, *Cole Bortz, Frank Segreto, David Ge, Bryan Beaubrun, Cyrus Jalai, Michael Gerling, Aaron Buckland, Virgnine Lafage | Cervical Deformity Patients with Concurrent Thoracolumbar Deformity Recruit More Lower Limb Compensation | ISASS | Toronto, CA.
- 2018 | Peter Passias, Charles Wang, Gregory Poorman, Samantha Horn, Frank Segreto, * Cole Bortz, Nicholas Stekas, David Ge, Han Jo Kim, Virginie Lafage, Michael Gerling | The Correlation between Cervical Alignment and Posterior Cervical Muscle Fatty Infiltration at Baseline in Cervical Deformity Patients | ISASS | Toronto, CA.
- 2018 | Peter Passias, * Gregory Poorman, Dennis Vasquez-Montes, Samantha Horn, Frank Segreto, *Cole Bortz, Virginie Lafage, Christopher Ames, Michael Gerling, Eric Klineberg | Predictive Analytics for Determining Extended Operative Time in Corrective ASD Surgery | LSRS| Chicago, IL.
- 2018 | Peter Passias, Samantha Horn, Frank Segreto, *Gregory Poorman, Dennis Vasquez-Montes, *Cole Bortz, Shaleen Vira, Aaron Buckland, Michael Gerling, Thomas Errico | Adult Spinal Deformity: The Influence of BMI on Achieving Postoperative Age-Adjusted-Alignment Goals | LSRS| Chicago, IL.

- 2018 | Peter Passias, *Gregory Poorman, Samantha Horn, Cyrus Jalai, Frank Segreto, *Cole Bortz, *Bassel Diebo, Themistocles Protopsaltis, Michael Gerling, Thomas Errico | Bone Marrow Concentration vs. Iliac Crest Bone Graft: 2-Year Results in a Single-Blinded Randomized Controlled Trial on Thoracolumbar Spinal Fusion Bone Grafts in Multi-Level Adult Spinal Deformity | LSRS| Chicago, IL.
- 2018 |*Gregory Poorman, Samantha Horn, *Bassel Diebo, Charles Wang, Cole Bortz, Frank Segreto, John Moon, Michael Gerling, Peter Passias | Lumbar Discectomies in Outpatient vs Inpatient Settings: Length of Stay, Cost, and Complications in Two National Databases | LSRS| Chicago, IL.
- 2018 | Peter Passias,*Gregory Poorman, Samantha Horn, *Cole Bortz, Frank Segreto, Shay Bess, Virginie Lafage, Michael Gerling, Thomas Errico | Patient Profiling Can Identify Spondylolisthesis Patients at Risk for Conversion from Nonoperative to Surgical Treatment | LSRS| Chicago, IL.
- 2018 | Samantha Horn, Nicholas Frangella, *Gregory Poorman, Dennis Vasquez-Montes, *Cole Bortz, *Bassel Diebo, Frank Segreto, Virginie Lafage, Michael Gerling, Peter Passias | Full-Body Analysis of Adult Spinal Deformity Patients' Age-Adjusted Alignment at 1 Year | LSRS| Chicago, IL.
- 2018 | Peter Passias, Samantha Horn, Cyrus Jalai, *Gregory Poorman, *Cole Bortz, Frank Segreto, *Bassel Diebo, Thomas Errico, Virginie Lafage, Michael Gerling | Sustained Changes in Age-Adjusted Full-Body Compensation Following Adult Spinal Deformity Corrective Surgery | LSRS| Chicago, IL.
- 2018 | Peter Passias, *Cole Bortz, Rabia Qureshi, *Bassel Diebo, Justin Paul, Samantha Horn, Frank Segreto, Shay Bess, Michael Gerling, Hamid Hassanzadeh | Predictors of Adverse Discharge Disposition in Adult Spinal Deformity and Associated Costs | LSRS| Chicago, IL.
- 2018 | *Gregory Poorman, Peter Zhou, Dennis Vasquez-Montes, Samantha Horn, Frank Segreto, *Cole Bortz, Joshua Auerbach, Michael Gerling, Justin Paul, Peter Passias | Differences in Primary and Revision Deformity Surgeries: Following 1,063 Primary Thoracolumbar Adult Spinal Deformity Fusions over Time | LSRS| Chicago, IL.
- 2018 | Peter Passias, *Cole Bortz, Samantha Horn, Frank Segreto, Nicholas Stekas, David Ge, Christopher Varlotta, Nicholas Frangella, Virginie Lafage, Renaud Lafage, Leah Steinmetz, Dennis Vasquez-Montes, Mohamed Moawad, Chloe Deflorimonte, Charla Fischer, Themistocles Protopsaltis, Aaron Buckland, Thomas Errico, Michael Gerling. | Diminishing Clinical Returns of Multilevel Minimally Invasive Lumbar Interbody Fusion | NASS | Los Angeles, CA
- 2018 | Cole Bortz, Frank Segreto, Samantha Horn, Christopher Varlotta, David Ge, Dennis Vasquez-Montes, Mohamed Moawad, Chloe Deflorimonte, Virginie Lafage, Renaud Lafage, Charla Fischer, Michael Gerling, Themistocles Protopsaltis, Thomas Errico, Aaron Buckland, Peter Passias. | Complication Risk in Primary and Revision Minimally Invasive Lumbar Interbody Fusion: A Comparable Alternative to Conventional Open Techniques? | NASS | Los Angeles, CA
- 9/28/2018 | Michael Gerling | PROMIS Correlates with Patient Satisfaction and VAS Back Pain Scores | Friday AM1A Abstracts: How Should We Measure Our Success | NASS | Los Angeles, CA
- 9/28/2018 | Michael Gerling | ODI Cannot Account for all of the Variability in PROMIS Scores in Thoracolumbar Patients | Friday AM1A Abstracts: How Should We Measure Our Success | NASS | Los Angeles, CA
- 9/28/2018 | Michael Gerling | Prior Bariatric Surgery Lowers Complication Rates following Spine Surgery in Obese Patients | PM2C Abstracts: The Gravity of Obesity | NASS | Los Angeles, CA
- 2018 | Michael Gerling; Gregory M. Mundis, MD; Juan S. Uribe, MD, FAANS; Paul Park, MD; Praveen V. Mummaneni, MD; Kai-Ming G. Fu, MD, PhD; Stacie Tran, BS, MPH; Khoi Duc Than, MD; Pierce D. Nunley, MD; David O. Okonkwo, MD, PhD; Richard G. Fessler, MD, PhD, Neel Anand | The Impact of Revision Surgery on Patients Undergoing MIS Correction of Adult Spinal Deformity: A Multi-Center Study | CNS
- 2018 | Michael Gerling; Gregory M. Mundis, MD; Juan S. Uribe, MD, FAANS; Paul Park, MD; Praveen V. Mummaneni, MD; Kai-Ming G. Fu, MD, PhD; Stacie Tran, BS, MPH; Khoi Duc Than, MD; Pierce D. Nunley, MD; David O. Okonkwo, MD, PhD; Richard G. Fessler, MD, PhD, Neel Anand | The Impact of Revision Surgery on Patients Undergoing MIS Correction of Adult Spinal Deformity: A Multi-Center Study | AANS
- 2018 | Michael Gerling; Gregory M. Mundis, MD; Juan S. Uribe, MD, FAANS; Paul Park, MD; Praveen V. Mummaneni, MD; Kai-Ming G. Fu, MD, PhD; Stacie Tran, BS, MPH; Khoi Duc Than, MD; Pierce D. Nunley, MD; David O. Okonkwo, MD, PhD; Richard G. Fessler, MD, PhD, Neel Anand | The Impact of Revision Surgery on Patients Undergoing MIS Correction of Adult Spinal Deformity: A Multi-Center Study | SMISS

- 7/12/2018 | Gerling MC | Diminishing Clinical Returns of Multilevel Minimally Invasive Lumbar Interbody Fusion | Whitecloud #4 | IMAST
- 7/12/2018 | Gerling MC | Impact of Presenting Patient Characteristics on Surgical Complications and Morbidity in Early Onset Scoliosis | Whitecloud #9 | IMAST
- 7/13/2018 | Gerling MC | Defining Age Adjusted Spinopelvic Alignment Thresholds: Should We Integrate BMI? | Whitecloud #26 | IMAST
- 2017 | Gerling MC | Patient Profiling Can Identify Spondylolisthesis Patients at Risk for Conversion from Nonoperative to Surgical Treatment | IMAST
- 11/30/2017 | Gerling MC, Passias PG, Radcliff K, Isaacs RE, Arnold PM, Bianco K, Horn S, Poorman GW, Boniello AJ, Yang S, Vaccaro AR | Two-Year Surgical Outcomes of Patients with Cervical Myelopathy: An Analysis of the Impact of Patient Characteristics, Operative Data, and Preoperative Nonoperative Treatment Modalities | Cervical Spine Research Society (CSRS) Annual Meeting | Cervical Spine Research Society (CSRS) | Hollywood, FL
- 11/30/2017 | Gerling MC | Cervical Spine Trauma in Children: Analysis of Changes in Incidence, Etiology, and Concurrent Injuries Among 11,323 Pediatric Patients Over a 10-Year Period | Cervical Spine Research Society (CSRS) Annual Meeting | Cervical Spine Research Society (CSRS) | Hollywood, FL
- 11/12/2017 | Passias PG, Radcliff KE, Arnold PM, Horn S, Poorman GW, Boniello AJ, Yang S, Vaccaro AR, Gerling MC | Two-Year Surgical Outcomes of Patients with Cervical Myelopathy: An Analysis of the Impact of Patient Characteristics, Operative Data, and Preoperative Nonoperative Treatment Modalities | Cervical Spine Research Society (CSRS) Annual Meeting | Cervical Spine Research Society (CSRS) | Hollywood, FL
- 11/12/2017 | Poorman GW, Beaubrun BM, Horn SR, Diebo BG, Vira S, Bono O, Moon J, Wang C, Hirsch BP, Tishelman JC, Zhou PL, Gerling MC, Passias PG | Cervical Spine Trauma in Children: Analysis of Changes in Incidence, Etiology, and Concurrent Injuries Among 11,323 Pediatric Patients Over a 10-Year Period | Cervical Spine Research Society (CSRS) Annual Meeting | Cervical Spine Research Society (CSRS) | Hollywood, FL
- 2017 | Gerling MC | Outcomes Of Open Staged Corrective Surgery In The Setting Of Adult Spinal Deformity | Lumbar Spine Research Society (LSRS) Annual Meeting | Lumbar Spine Research Society (LSRS) | Chicago, IL
- 10/2016 | Gerling MC | Safety of Endoscopic Discectomy in the Ambulatory Setting | Society of Minimally Invasive Spine Surgery Annual Meeting | Society of Minimally Invasive Spine Surgery (SMISS) | Las Vegas, NV
- 10/2016 | Gerling MC | Endoscopic Percutaneous Discectomy does not Decrease Complications, Re-admission, or Length of Stay in 522 Patients | Society of Minimally Invasive Spine Surgery Annual Meeting | Society of Minimally Invasive Spine Surgery (SMISS) | Las Vegas, NV
- 9/2015 | Gerling MC | Predictors of Length of Hospital Stay and 30-Day Readmission in Adult Spinal Deformity Surgical Patients: An Analysis of 963 Patients Using the American College of Surgeons Database | Scoliosis Research Society Annual Meeting | Scoliosis Research Society | Minneapolis, MN
- 9/2015 | Gerling MC | Predictors of Length of Hospital Stay and 30-Day Readmission in Cervical Spondylotic Myelopathy Patients: An Analysis of 3057 Patients Using the American College of Surgeons Database | Scoliosis Research Society Annual Meeting | Scoliosis Research Society | Minneapolis, MN
- 2015 | Gerling MC | Identifying Predictors of Upper Body Post-Operative Pain and Disability Improvement in Surgical Cervical Spine Radiculopathic Patients | Cervical Spine Research Society (CSRS) European Sections Meeting | Cervical Spine Research Society (CSRS) | London, UK
- 5/2015 | Gerling MC, Passias PG, Bianco K, Worley NJ, Jalai CM, Oh, Spratt, Radcliff K, Isaacs RE, Cowgill, Vaccaro AR | Non-operative Treatment Modalities Prior To Cervical Surgery Affect Patient Outcomes: An Analysis Of 1818 Patients | Cervical Spine Research Society (CSRS) European Sections Meeting | Cervical Spine Research Society (CSRS) | London, UK
- 5/2015 | Gerling MC, Passias PG, Bianco K, Worley NJ, Jalai CM, Oh, Spratt, Radcliff K, Isaacs RE, Cowgill, Vaccaro AR | Predictors Of Two-year Surgical Outcomes Of Patients With Cervical Myelopathy: An Analysis Of 203 Patients | Cervical Spine Research Society (CSRS) European Sections Meeting | Cervical Spine Research Society (CSRS) | London, UK

- 4/2015 | Gerling MC, Macagno AE, Passias PG, Marascalchi BJ, Macagno AE, Jalai CM, Worley NJ, Bianco N, Bendo JA | Cervical Spondylotic Myelopathy: National Trends in the Presentation, Treatment and Perioperative Outcomes over 10 Years | ISASS Annual Meeting | ISASS | San Diego, CA
- 4/2015 | Gerling MC, C.M. Jalai, K. Radcliff, P.G. Passias, N.J. Worley, C.M. Jalai, K. Bianco, C. Oh, R.E. Isaacs, A.R. Vaccaro | Analysis of Post-operative Clinical Outcome between Patients with and without History of Prior Cervical Spine Surgery - a Multicenter Study of 1313 Patients of 2-year Follow-up from the Association for Collaborative Spinal Research | ISASS Annual Meeting | ISASS | San Diego, CA
- 4/2015 | Gerling MC, Shaleen Vira, P.G. Passias, K. Bianco, N.J. Worley, C.M. Jalai, C. Oh, K.F. Spratt, K. Radcliff, R. Isaacs, I. Cowgill, A.R. Vaccaro | Predictors of Two-year Surgical Outcomes of Patients with Cervical Myelopathy: An Analysis of 203 Patients | ISASS Annual Meeting | ISASS | San Diego, CA
- 4/2015 | Gerling MC, Shaleen Vira, P.G. Passias, K. Radcliff, R.E. Isaacs, K. Bianco, C.M. Jalai, N.J. Worley, A.R. Vaccaro | Surgical Management of Cervical Myelopathy: An Analysis of Patient Characteristics, Surgical Procedures, Complication Rates and Risk Factors | ISASS Annual Meeting | ISASS | San Diego, CA
- 4/2015 | Gerling MC, M. Spiegel, R. Isaacs, C.M. Jalai, K. Radcliff, N.J. Worley, K. Bianco, V. Challier, B.J. Marascalchi, P.G. Passias, A. Vaccaro | The Impact of Advanced Age on Peri-operative Outcomes in the Surgical Treatment of Cervical Spondylotic Myelopathy | ISASS Annual Meeting | ISASS | San Diego, CA
- 3/2015 | Gerling MC | The Impact of Advanced Age on Peri-Operative Outcomes in the Surgical Treatment of Cervical Spondylotic Myelopathy | American Academy of Orthopedics Annual Meeting | American Academy of Orthopedics | Las Vegas, NV
- 3/2015 | Gerling MC | Risks Factors For Reoperation After Surgery for Intervertebral Disc Herniations: Subanalysis of 8 year SPORT data | American Academy of Orthopedics Annual Meeting | American Academy of Orthopedics | Las Vegas, NV
- 2/2015 | Gerling MC | Risks Factors for Reoperation after Surgery for Lumbar Spinal Stenosis: Subanalysis of Eight-Year SPORT Data | NASS 11th Annual Evidence and Technology Spine Summit | NASS | Salt Lake City, Utah
- 2/2015 | Gerling MC | Risks Factors for Reoperation after Surgery for Degenerative Spondylolisthesis: Subanalysis of Eight-Year SPORT Data | NASS 11th Annual Evidence and Technology Spine Summit | NASS | Salt Lake City, Utah
- 2/2015 | Gerling MC | Risks Factors for Reoperation after Surgery for Intervertebral Disc Herniations: Subanalysis of Eight-Year SPORT Data | NASS 11th Annual Evidence and Technology Spine Summit | NASS | Salt Lake City, Utah
- 11/2014 | Gerling MC | Reoperation after surgery for Spondylolisthesis | NASS Annual Meeting | NASS | San Francisco, CA
- 11/ 2014 | Gerling MC | Reoperation after surgery for Spinal Stenosis | NASS Annual Meeting | NASS | San Francisco, CA
- 11/2014 | Gerling MC | Reoperation after surgery for Disk Herniations | NASS Annual Meeting | NASS | San Francisco, CA
- 7/16/2014-7/19/2014 | Gerling MC | Risks Factors For Re-operation in Patients Treated Surgically for Degenerative Spondylolisthesis | International Meeting on Advanced Spine Techniques (IMAST) Meeting | International Meeting on Advanced Spine Techniques (IMAST) | Valencia, Spain
- 7/16/2014-7/19/2014 | Gerling MC | Risks Factors For Re-operation in Patients Treated Surgically for Spinal Stenosis | International Meeting on Advanced Spine Techniques (IMAST) Meeting | International Meeting on Advanced Spine Techniques (IMAST) | Valencia, Spain
- 5/2014 | Gerling MC | Risk factors for re-operation in patients treated surgically for lumbar stenosis: A sub-analysis of the eight year data from the SPORT trail | Lumbar Spine Research Society (LSRS) Annual Meeting | Lumbar Spine Research Society (LSRS)
- 5/2014 | Gerling MC | Risk factors for re-operation in patients treated surgical for degenerative spondylolisthesis: A sub-analysis of the eight year data from the SPORT trial | Lumbar Spine Research Society (LSRS) Annual Meeting | Lumbar Spine Research Society (LSRS)

- 5/2014 | Gerling MC | Risk factors for reoperation in patients treated surgically for intervertebral disc herniations: A sub-analysis of the eight year data from the SPORT trial | Lumbar Spine Research Society (LSRS) Annual Meeting | Lumbar Spine Research Society (LSRS)
- 2014 | Gerling MC | Selective versus non-selective thoracic fusion in Lenke 1C curve: A meta- analysis of baseline characteristics and postoperative outcomes | Scoliosis Research Society
- 3/2014 | Gerling MC | Dysphagia Following Anterior Cervical Discectomy and Fusion: National Incidence and Risk Factors | American Academy of Orthopedics Annual Meeting | American Academy of Orthopedics | San Diego, CA
- 2/2011 | Gerling MC | Pathophysiology and Treatment of Lumbar Spinal Stenosis - Interspinous Devices and MIS Decompression for Spinal Stenosis | American Academy of Orthopedic Surgery Annual Meeting | American Academy of Orthopedic Surgery | San Diego, CA
- 11/2010 | Gerling MC | Calcium Phosphate (CaP) Cement and Spinal Augmentation: Cadaveric and Biomechanical Properties with use of Radio-opacifiers | 2010 Challenges in Fracture Care Across Disciplines Meeting | AO North America | Phoenix, AZ
- 10/2010 | Gerling MC | Young Surgeon's Perspectives on Academic Career | North American Spine Society (NASS) Annual Meeting | North American Spine Society | Orlando, FL
- 7/2010 | Gerling MC | Radio-Opacification of calcium phosphate cement for spinal augmentation: cadaveric and biomechanical study | World Forum for Spine Research | Montreal, Canada
- 5/2010 | Gerling MC | Spinal Augmentation: Cadaveric and Biomechanical Study of the Effects of Radio-opacification of CaP cement | World Spine V | Santarini, Greece
- 4/2010 | Gerling MC | Necessity of Radio-Opacification of Calcium Phosphate Cement during Spinal Augmentation | Lumbar Spine Research Society (LSRS) Annual Meeting | Lumbar Spine Research Society (LSRS) | Chicago, IL
- 3/2010 | Gerling MC | Radio-opacification of Calcium Phosphate (CaP) cement for spinal augmentation: Cadaveric and Biomechanical Study | American Academy of Orthopedics Annual Meeting | American Academy of Orthopedics | New Orleans, LA
- 3/2010 | Gerling MC | Adjacent Level Motion After Lumbar Laminectomy compared with Posterior Instrumented Fusion: A Biomechanical Model | American Academy of Orthopedics Annual Meeting | American Academy of Orthopedics | New Orleans, LA
- 6/2009 | Gerling MC | Cervical Disc Herniation: The Quality of Information on the Internet | Cervical Spine Research Society (CSRS) European Sections Meeting | Cervical Spine Research Society (CSRS) | Uppsala, Sweden
- 4/2009 | Gerling MC | Adjacent Level Motion After Lumbar Surgery: A Biomechanical Model Compares Traditional Laminectomy With Posterior Instrumented Fusion | Lumbar Spine Research Society (LSRS) Annual Meeting | Lumbar Spine Research Society (LSRS) | Chicago, IL
- 2/2007 | Gerling MC | Dropped head deformity: Long-term surgical outcomes and complications | American Academy of Orthopedics Annual Meeting | American Academy of Orthopedics | San Diego, CA
- 2/2007 | Gerling MC | Improved survivorship after cement augmentation for osteoporotic compression fractures | American Academy of Orthopedics Annual Meeting | American Academy of Orthopedics | San Diego, CA
- 12/2006 | Gerling MC | Dropped head deformity: Long-term surgical outcomes and complications | Cervical Spine Research Society (CSRS) Annual Meeting | Cervical Spine Research Society (CSRS) | Palm Beach, FL
- 6/2006 | Gerling MC | Long-term survivorship analysis after osteoporotic compression fractures of the thoracolumbar spine in elderly patients: percutaneous cement augmentation versus brace treatment | International Society For The Study Of The Lumbar Spine | Bergen, Norway
- 11/2000 | Gerling MC | Comparison between MRI and US in the analysis of surgically created posterior tibial tendon tears in cadavers | Louisiana Orthopedic Association | New Orleans, LA
- 11/2000 | Gerling MC | PTT tears: Comparison between MR Imaging and US in the analysis of surgically created lesions in cadavers | Radiological Society of North America Annual Meeting | Radiological Society of North America | Chicago, IL
- 10/1998 | Gerling MC | Movement across an unstable cervical spine injury in a cadaver model of intubation | American College of Emergency Physicians National Meeting | American College of Emergency Physicians | San Diego, CA

- 6/1998 | Gerling MC | Effect of laryngoscope blade type and c-spine immobilization technique on an unstable c-spine injury | American College of Emergency Physicians California Meeting | American College of Emergency Physicians | Monterey, CA
- 5/1998 | Gerling MC | Effect of laryngoscope blade type and c-spine immobilization technique on intubations | Society for Academic Emergency Medicine | Chicago, IL
- 6/1995 | Gerling MC | Invasion of Human Follicular Thyroid Carcinoma Cells in an in vivo invasion model | UC Berkeley Genetics Symposium | UC Berkeley | Berkeley, CA

Patents

None