



## CURRICULUM VITAE Avery M. Jackson III, MD

**MICHIGAN NEUROSURGICAL INSTITUTE, P.C.**  
*Chief Executive Officer/Medical Director*

### EDUCATION

<b>Medical College of Wisconsin</b> , Milwaukee Spine Fellowship, Faculty Instructor Froedert West Hospital, Department of Neurosurgery	2000 - 2001
<b>Penn State University</b> , Hershey, PA Chief Resident Milton S. Hershey Medical Center, Section of Neurosurgery	1999 - 2000
<b>Penn State University</b> , Hershey, PA Residency Milton S. Hershey Medical Center, Section of Neurosurgery	1995 - 1999
<b>Northwestern University</b> , Chicago General Surgery Internship McGaw Medical Center, Department of Surgery	1994 - 1995
<b>Wayne State University</b> , Detroit Doctor of Medicine	1990 - 1994
<b>University of Chicago</b> , Chicago Bachelor of Arts, Biology	1986 - 1990

### HOSPITAL PRIVILEGES

<b>Genesys Regional Medical Center</b> , Grand Blanc, MI Active Staff Member	2002 - Present
<b>McLaren Regional Medical Center</b> , Flint, MI Active Staff Member	2009 - Present



## EMPLOYMENT

<b>Michigan Neurosurgical Institute, P.C.</b> Chief Executive Officer/ Medical Director Attending Staff Neurosurgeon	2003 - Present
<b>Genesys Neurosurgical Associates</b> Attending Staff Neurosurgeon Genesys Regional Medical Center, Grand Blanc, MI	2002 - 2003
<b>Winchester Neurological Consultants, Inc.</b> Attending Staff Neurosurgeon Winchester Medical Center, Winchester, VA	2001 - 2002

## CERTIFICATION & LICENSURE

• Diplomate, American Board of Neurological Surgery	2008 - Present
• Michigan State Medical License	Current
• Wisconsin State Medical License	Current
• Fracture Liaison Service Certification, National Osteoporosis Foundation	2014

## BOARD & COMMITTEE SERVICE

<b>Ascension Spine Affinity Group</b> Chair, Osteoporosis subcommittee	2015- Present
<b>Oakland Christian School</b> Board Member, Development Committee	2014 - Present
<b>Genesys Regional Medical Center</b> Medical staff committee service:	
· Neuro Subsection	2014 - Present
· Perioperative Coordinating Council	2014 - Present
· Procurement and Management Committee	2014 - Present
· Fragility Fracture Committee	2013 - Present
· Spine Center of Excellence Committee	2013 - Present
· Specialist/Quality Improvement/Credential Committee	2012 - Present
· Combined OR Utilization Review	2011 - 2012
· Multidisciplinary Spine	2011 - 2012
<b>Genesys PHO</b> Specialist Quality Improvement/Credentialing Committee	2011 - Present
<b>Genesys Ortho-Neuro Co-Management Company</b> Medical Director of Neurosurgery, past Board Member, Finance and Operations Committee	2009 - Present



<b>Genesys NTICU Collaborative Care Committee</b> Co-Chair	2006 – Present
<b>Surgical Executive Committee</b> Member, Genesys Regional Medical Center	2009 – 2010 2004 – 2006
<b>Section of Neurosurgery</b> Member, Genesys Regional Medical Center	2004 – Present
<b>Genesys Health Foundation</b> Board Member, Genesys Health System	2003 – 2013
<b>EEO Monitoring Consultants, Incorporated</b> Vice President, past Treasurer	1993 – Present

## PROFESSIONAL MEMBERSHIPS

American Academy of Spine Physicians (AASP)	2004 – Present
American Association of Neurological Surgeons (AANS)	2000 - Present
· AANS/CNS Cerebrovascular Section	2000 – Present
· AANS/CNS Section on Disorders of the Spine & Peripheral Nerves	2000 – Present
American College of Surgeons (ACS)	2009 - Present
American Medical Association	1990 – Present
Association of American Physicians and Surgeons (AAPS)	2004 – Present
Congress of Neurological Surgeons	1995 – Present
Dauphin County Medical Society	1999 - 2006
Genesee County Medical Society	2003 – Present
International Society for the Advancement of Spine Surgery	2014 – Present
Medical Society of Milwaukee County	2000 - 2001
Michigan Association of Neurological Surgeons	2004 – Present
Michigan State Medical Society	1990 – Present
North American Neuromodulation Society (NANS)	2009 - Present
North American Spine Society	2002 – Present
Pennsylvania Medical Society	1999 - 2006
Rachidian Spine Society	2001 – Present
Society for Minimally Invasive Spine Surgery (SMISS)	2009 - Present
Virginia Medical Society	2001 – 2003
Wayne State University Medical Alumni Association	1994 – Present
Wisconsin Medical Society	2000 - 2001



## AWARDS & GRANTS

<b>Rhone-Poulenc Rorer Lovenox</b> Congress of Neurological Surgeons Scholarship	1999
<b>Synthes Spine</b> Grant of \$1,400 to attend courses on anterior and posterior spine stabilization techniques and anterior approaches to the lumbar spine	1999
<b>Milton S. Hershey Medical Center</b> Peer-reviewed surgical feasibility grant of \$5,400 for "Implications of Posterior Interhemispheric Subdural Hematomas in Infants Following Accidental And Nonaccidental Head Trauma"	1997
<b>Wayne State University</b> Medical Alumni Research Fellowship	1991
<b>University of Chicago</b> Student Research Opportunities Scholarship Department of Cardiology, U of C Hospitals	1989
<b>University of Chicago</b> Academic Scholarship	1986 - 1990

## CLINICAL RESEARCH

<b>Eon Mini 16-Channel Implantable Pulse Generator</b> <i>A Prospective, Multi-Centered Clinical Evaluation of the Eon Mini 16-Channel Implantable Pulse Generator in Combination with Paddle Leads for the Management of Chronic Pain of the Trunk and/or Limbs</i>	2009 - Present Sponsor: ST. Jude Medical
<b>Thrombin-JMI Exposure</b> <i>A Phase 4, Multicenter, Open-Label, Observational Study, "Protocol MOSAIC-K847-08-4003" assessing the Impact of Exposure to the THROMBIN-JMI (Thrombin, Topical U.S.P. [Bovine Origin] on Coagulation Parameters.</i>	2009 Sponsor: King Pharmaceuticals
<b>Back Pain</b> <i>A randomized double-blind, placebo &amp; active-control, parallel-arm, Phase III trial with controlled adjustment of dose to evaluate the efficacy and safety of an extended release study in subjects with moderate to severe chronic low back pain.</i>	2007 - 2008 Sponsor: Johnson & Johnson
<b>Back Pain Extension Study 3010</b> <i>An open label extension, single-arm, flexible-dosing, Phase III trial with extended release study compound in patients with moderate to severe chronic pain.</i>	2007 - 2009 Sponsor: Johnson & Johnson



## ACADEMIC RESEARCH

<b>Medical College of Wisconsin</b> , J. Baisden, M.D. Effect of Vertebroplasty on Adjacent Vertebral Bodies in the Thoracic Region after Axial Loading	2000 - 2001
<b>Medical College of Wisconsin</b> , D. Maiman, M.D., Ph.D. Review of Anterior and Posterior Cervical Fusions for Myelopathy	2000 - 2001
<b>Penn State University</b> , D. Johnson, M.D. Implications of Posterior Interhemispheric Subdural Hematomas in Infants Following Accidental and Non-Accidental Head Trauma	1996 - 2000
<b>Wayne State University</b> , H. Goshgarian, Ph.D. Lung Volume Enhances Duration in a Latent Motor Pathway Following Spinal Cord Hemisection in Adult Rats (Dept. of Anatomy & Cell Biology)	1994
<b>Wayne State University</b> , H. Goshgarian, Ph.D. Quantitative Assessment of Arterial Blood Gases Measured during the Crossed Phrenic Reflex after Spinal Cord Injury (Dept. of Anatomy & Cell Biology)	1991
<b>Wayne State University</b> , Dept. of Neurosurgery, R. Johnson, M.D. Infection Rate of Ventriculostomy Placement in O.R. versus I.C.U.	1991 - 1993
<b>University of Chicago</b> , Dept. of Cardiology, R. Zak, Ph.D. Future Cardiac Muscle Repair and Substitution	1989

## REGISTRY RESEARCH

- North American Spine Society (NASS) pilot registry
- Own the Bone
- National Osteoporosis Foundation (NOF)
- National Bone Health Alliance (NBHA) Quality Improvement Registry

## DEVELOPMENT RESEARCH

### **Medtronic-Sofamor Danek**

Consultant

### **Stryker Corporation, Spine Division**

Consultant



## PRESENTATIONS

<b>"Spine Affinity- Summary of the Osteoporosis Diagnosis Management"</b> Ascension Fracture Liaison Service	February 2016
<b>"Summary of the Osteoporosis Diagnosis Management"</b> Ascension Fracture Liaison Service	February 2016
<b>"Genesys Physician Development in Osteoporosis Diagnosis and Management Through a Fracture Liaison Service"</b>	January 2016
<b>"Genesys PHO Physician Development in Osteoporosis Diagnosis and Management Through a Fracture Liaison Service"</b>	January 2016
<b>"A Pulmonary Perspective in Osteoporosis Diagnosis and Management Through a Fracture Liaison Service"</b>	December 2016
<b>"Relevance of Fragility Fractures Identified and Management in the Emergency Medical Setting"</b> Genesys Emergency Medicine Grand Rounds	October 2015
<b>"Osteoporosis, Vertebral Fracture Treatment and Prevention of Secondary Fractures through a Fracture Liaison Service"</b> VanElslander Neuroscience Center of Excellence	September 2015
<b>"Osteoporosis and the Fracture Liaison Service"</b> Genesee County Senior Directors	September 2015
<b>"Benefits of the Bilingual Brain"</b> Oakland Christian School	January 2015
<b>"Osteoporosis and the Fracture Liaison Service"</b> CACHE Lecture Series Presentation Genesys Conference Center, Genesys Regional Medical Center	May 2014
<b>"Comparing the Outcomes of Minimally Invasive Transfacet Lumbar Interbody Fusion for Multi-Segment versus Single Segment Fusions"</b> Poster Presentation, International Society for the Advancement of Spine Surgery, Miami Beach, FL	April 2014
<b>"Upper Cervical Spine Injuries"</b> Neuro/Stroke Interactive Lectures Genesys Regional Medical Center	May 2013
<b>"Comparing the Outcomes of Minimally Invasive Transfacet Lumbar Interbody Fusion for Multi-Segment versus Single Segment Fusions"</b> Poster Presentation, AANS/CNS Joint Section Spine and Peripheral Nerve, Phoenix, AZ	March 2013



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**“Comparing the Outcomes of Minimally Invasive Transfacet Lumbar Interbody Fusion for Multi-Segment versus Single Segment Fusions”**

Society of Minimally Invasive Spine Surgery, Miami, FL

September 2012

**“Upper Cervical Spine Injuries”**

Neuro/Stroke Interactive Lectures  
Genesys Regional Medical Center

May 2012

**5-Year Experience at Michigan Neurosurgical Institute Comparing Single versus Multi-level Minimally Invasive TLIF Outcomes**

146<sup>th</sup> MSMS Foundation Annual Scientific Meeting, Troy, MI

October 2011



**“Neuro Localization in Brachial Plexus Injuries”**

Neuro/Stroke Interactive Lectures  
Genesys Regional Medical Center

May 2011

**“Historical Review & Critique of Minimally Invasive Spine Surgery”**

5<sup>th</sup> Annual Minimally Invasive Spine Surgery Review Symposium  
Genesys Learning Institute

August 2010

**“Minimally Invasive Spine Surgery”**

Mini Medical School Lecture Series  
Genesys Learning Institute

April 2010

**“History and Management of Ventriculostomy Drainage Systems”**

Anesthesia Department In-service  
Genesys Regional Medical Center

April 2010

**“Introduction to Neuromodulation:**

18<sup>th</sup> Annual Meeting of the Rachidian Society, Hawaii

January 2010

**“Non-Operative Care for Low Back Pain”**

18<sup>th</sup> Annual Meeting of the Rachidian Society

January 2010

**“A Case for Spinal Cord Stimulation”**

18<sup>th</sup> Annual Meeting of the Rachidian Society

January 2010

**“Overview of Spinal Cord Stimulation”**

Neuro OR Team Meeting  
Genesys Regional Medical Center

October 2009

**“Historical Review & Critique of Minimally Invasive Spine Surgery”**

4<sup>th</sup> Annual Minimally Invasive Spine Surgery Review Symposium  
Genesys Learning Institute

July 2009

**“Upper Cervical Spine Injuries”**

Morning Report Conference  
Genesys Regional Medical Center

February 2009

**“Historical Review & Critique of Minimally Invasive Spine Surgery”**

3<sup>rd</sup> Annual Minimally Invasive Spine Surgery Review Symposium  
Genesys Learning Institute

August 2008

**“Current Concepts in Minimally Invasive Spine Surgery”**

Genesys Learning Institute

August 2008

**“Overview of Spinal Cord Stimulation”**

Genesys Learning Institute

July 2008

**“Management of Upper Cervical Spine Injuries”**

Morning Report  
Genesys Regional Medical Center

May 2008





**“Treatment of Cervical Myelopathy”**

Stryker Spine Symposium  
Lima, Peru

August 2007

**Minimally Invasive Spine Surgery: Case presentations and techniques discussion**

Stryker Spine Symposium  
Lima, Peru

August 2007

**“Posterior Cervical Fusion”**

Stryker Spine Symposium  
Lima, Peru

August 2007

**“Minimally Invasive Spine Surgery”**

Grand rounds case presentation and techniques discussion  
Department of Neurological Surgery  
Detroit Medical Center/Wayne State University

April 2007

**“Non-Operative Care for Low Back Pain - Physical Therapy and Injections”**

CME-accredited lecture for primary care physicians  
Genesys Regional Medical Center

March 2007

**“Brachial Plexus Injuries”**

Morning Report  
Genesys Regional Medical Center

February 2007

**“Spine 2 Session”**

Moderator of lectures on Cervical Spine Fractures and Associated Injuries after Motor Vehicle Crashes, Treatment of Brachial Plexus Avulsion Injuries, Kinematic Testing of Occipitocervical Instrumentation Constructs Incorporating Screw- and Cable-based Techniques, Tensile Tolerance of the Cervical Spine  
15<sup>th</sup> Annual Meeting of the Rachidian Society

February 2007

**“Treatment of Cervical Myelopathy”**

Case presentations and techniques discussion with Dr Fredrico Gelosi  
Hospital Universitario Austral  
Buenos Aires, Argentina

August 2006

**“Minimally Invasive Spine Surgery”**

Case presentations and techniques discussion with Dr Fredrico Gelosi  
Hospital Universitario Austral  
Buenos Aires, Argentina

August 2006

**“Nuts and Bolts of Back Pain Management in Genesee County”**

Executive meeting, Genesys Integrated Group Practice  
Alvarez Center

October 2005

**“Percutaneous Management of Vertebral Compression Fractures”**

Chilean Society of Neurological Surgeons  
Santiago, Chile

August 2005



**“Review of Anterior and Posterior Cervical Fusion for Myelopathy”**

Chilean Society of Neurological Surgeons

August 2005

**“Minimally Invasive Spine Surgery”**

Chilean Society of Neurological Surgeons

August 2005

**“Minimally Invasive Spine Surgery”**

Chilean Society of Orthopedic Surgeons  
Clinica Santa Maria

August 2005

**“Minimally Invasive Spine Treatments”**

Condon Lecture Series  
Genesys Regional Medical Center

January 2005

**“Complex Cervical Spine Approaches”**

International Chilean Spine Meeting

August 2004

**“Percutaneous Management of Vertebral Compression Fractures”**

International Chilean Spine Meeting

August 2004

**“Management of Upper Cervical Spine Injuries”**

Condon Lecture Series  
Genesys Regional Medical Center

July 2004

**“Percutaneous Management of Vertebral Compression Fractures”**

Emergency Medicine Department Grand Rounds  
MRI Conference Center, Genesys Regional Medical Center

February 2004

**“Disorders of the Cervical Region/Cervicalgia”**

Genesys PHO, Utilization Management Committee  
Genesys Regional Medical Center

January 2004

**“Minimally Invasive Spine Surgery”**

2003 Neuroscience Symposium: Emerging Trends  
Genesys Regional Medical Center

September 2003

**“Percutaneous Management of Vertebral Compression Fractures”**

2003 Neuroscience Symposium: Emerging  
Genesys Regional Medical Center

September 2003

**“Management of Upper Cervical Spine Injuries”**

Condon Lecture Series  
Genesys Regional Medical Center

July 2003

**“Percutaneous Management of Vertebral Compression Fractures”**

11<sup>th</sup> Annual Meeting of the Rachidian Society

February 2003

**“Effect of Vertebroplasty on Adjacent Vertebral Bodies in the Thoracic Region after Axial Loading”**

Poster presentation, Annual Meeting of the American Association of  
Neurological Surgeons

April 2002



<b>“Review of Anterior and Posterior Cervical Fusion for Myelopathy”</b> 10 <sup>th</sup> Annual Meeting of the Rachidian Society	February 2002
<b>“Percutaneous Management of Vertebral Compression Fractures”</b> Grand rounds and OR staff lecture series presentation Winchester Medical Center	December 2001
<b>“Review of Anterior and Posterior Cervical Fusion for Myelopathy”</b> Poster presentation 29 <sup>th</sup> Annual Meeting of the Cervical Spine Research Society	November 2001
<b>“Management of Upper Cervical Spine Injuries”</b> Lecture series presentation, Association of Operating Room Nurses Winchester, VA	November 2001
<b>“Brachial Plexus Injuries”</b> Faculty-Resident lecture series Medical College of Wisconsin	March 2001
<b>“Introduction to Percutaneous Vertebroplasty”</b> Faculty-Resident lecture series Medical College of Wisconsin	March 2001
<b>“Effect of Vertebroplasty on Adjacent Vertebral Bodies in the Thoracic Region after Axial Loading”</b> 9 <sup>th</sup> Annual Meeting of the Rachidian Society	February 2001
<b>“Endoscopic Spine Surgery: Overview And Applications”</b> 9 <sup>th</sup> Annual Meeting of the Rachidian Society	February 2001
<b>“Management of Upper Cervical Spine Injuries”</b> Grand rounds presentation Medical College of Wisconsin	September 2000
<b>“Pediatric Head Injury”</b> Seminar series presentation Hershey Medical Center	February 2000
<b>“Shaken Baby Syndrome”</b> Trauma Topics Day presentation for nursing trauma CME credits Hershey Medical Center	December 1999
<b>“Management of Upper Cervical Spine Injury”</b> Grand rounds presentation Hershey Medical Center	May 1999
<b>“Interhemispheric Subdural Hemorrhage as Legal Evidence for the Diagnosis of Shaken Baby Syndrome”</b> Poster presentation Annual Meeting of the American Association of Neurological Surgeons	April 1999



<b>“Brachial Plexus Injuries”</b> Grand rounds presentation Hershey Medical Center	September 1998
<b>“Pediatric Head Trauma”</b> Grand rounds presentation Hershey Medical Center	March 1998
<b>“Demonstration in Neuroanatomy: Brain, meninges, and blood Vessels”</b> Lecture for first-year medical students Hershey Medical Center	January 1998
<b>Mycotic Cerebral Aneurysms</b> Grand rounds presentation Hershey Medical Center	February 1997
<b>“Demonstration in Neuroanatomy: Brain, meninges, and blood Vessels”</b> Lecture for first-year medical students Hershey Medical Center	January 1997
<b>“A Review of Neurogenic Pulmonary Edema”</b> Grand rounds presentation Hershey Medical Center	September 1996
<b>“Spinal Meningiomas”</b> Grand rounds presentation Hershey Medical Center	October 1995

## TEACHING

<b>Minimally Invasive Spine Surgery: “Spine Surgery Lecture and Lab”</b> CME-accredited course Genesys Learning Institute	August 2010
<b>“Neuromodulation”</b> Update - Infectious Disease/General Medicine CME-accredited course, Condon Lecture Series Genesys Regional Medical Center	November 2009
<b>“A Case for Spinal Cord Stimulation”</b> Update - Infectious Disease/General Medicine CME-accredited course, Condon Lecture Series Genesys Regional Medical Center	November 2009
<b>“Minimally Invasive Spine Surgery: Sharpening Your Spine Surgery Skills”</b> CME-accredited course Genesys Learning Institute	July 2009



**“Minimally Invasive Spine Surgery: A review of New Perspectives”**

CME-accredited course

Genesys Learning Institute, Cadaver Lab

August 2008

**“Minimally Invasive Spine Approaches – New Perspectives”**

CME-accredited course, National Spine Surgeon Training

Genesys Learning Institute, Cadaver Lab

December 2007

**“Non-Operative Care for Low Back Pain - Physical Therapy and Injections”**

CME-accredited lecture for primary care physicians

Genesys Regional Medical Center

May 2007

**“Innovative Spinal Technologies”**

Minimally Invasive Spine Instruments and Implants

Genesys Learning Institute, Cadaver Lab

November 2006

**“Minimally Invasive Spine Training”**

Case review, case presentations, and laboratory session

National Spine Surgeon Training Course

Genesys Learning Institute

August 2006

**“Minimally Invasive Spine Training”**

Case review, case presentations, and laboratory session

International Spine Surgeon Exchange Program

Genesys Regional Medical Center

April 2005

**Posterior cervical (OASIS) instrumentation implantation**

Stryker Spine Training - statewide practical lab for instrument  
representatives

Fenton, MI

June 2004

**“Management of Low Back Pain”**

CME-accredited symposium for primary care physicians

Genesys Conference Center

June 2004

**“Vertebroplasty”**

4 hours of cadaveric instruction on percutaneous vertebroplasty  
techniques

Medical College of Wisconsin, Milwaukee

March 2001

**“Endoscopic and Complex Spine Surgery Approaches”**

18 hours of cadaveric instruction on endoscopic approach techniques,  
and 12 hours of cadaveric instruction on complex spine approach  
techniques

Medical College of Wisconsin

January 2001



## NEWS MEDIA

### **“Osteoporosis Presentation”**

Introducing Genesys Regional Medical Center CACHE lecture series: “Bone Health and Osteoporosis Prevention”  
ABC 12

May 2014

### **“9 Spine Surgeons on Big Concerns Keeping Them up at Night”**

Interviewed for feature article  
Becker's Spine Review

October 2012

### **“Power of Prayer; Research May Prove Faith Can Heal”**

Television news interview  
NBC25 Mid-Michigan

January 2011

### **“Operating to Opera”**

Interview on aspects of Christian music's effect on surgical outcomes  
Flint Journal

August 2006

### **“Minimally Invasive Spine Surgery”**

Home Town Radio Interview  
Michigan Radio

April 2006

### **“Ask the Doctor”**

Questions and Answers for Listeners  
WDZZ 92.7 FM: Grand Blanc, MI

September 2004

### **“Global Trends”**

MNI commercial interview  
In-Flight Media Associates - Continental Airlines

September 2004

### **“Minimally Invasive Spine Surgery and Treatment of Compression Fractures”**

Home Town Radio Interview  
Michigan Radio

April 2004

### **Minimally Invasive Spine Surgery**

African American Health Report  
WMUZ: Detroit

May 2003

### **Percutaneous Treatment of Compression Fractures**

African American Health Report  
WMUZ: Detroit

May 2003

### **“Trip to Peru Strengthens Medical Relationships”**

Insights: Society and Culture  
Spero News/Speroforum.com

December 2007

### **“Lima, Peru and Other Areas of South America”**

Bulletin of the Genesee County Medical Society

November 2007



## INVENTIONS

**Surgical Magnetic Retrieval Tool**

U.S. Patent No. 7,883,130

September 10, 2009

**Therapeutic Face Cushion**

U.S. Patent No. 7,444,698

November 4, 2008

**Therapeutic Seat Cushion**

U.S. Patent No. 7,225,486 B245

June 5, 2007

**Endoscopic Pedicle Probe**

U.S. Patent No. 6,855,105

February 15, 2005

**Stryker Mini-open Retractor System**

Contributor/Creator

October 23, 2003