

## Curriculum Vitae: Scott S. Russo, M.D.

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### Education

*Undergraduate* Michigan State University - East Lansing, MI  
Bachelors of Science, 1979  
Major: Chemistry  
Graduated with Honors

*Medical* Wayne State University School of Medicine – Detroit, MI  
M.D., 1984

### Post Graduate Training

*Categorical Internship* Blodgett Memorial Hospital – Grand Rapids, MI  
July 1984 – June 1985

*Residency* Grand Rapids Orthopaedic Residency Program – Grand Rapids, MI  
Orthopaedic Surgery  
June 1985 – June 1989

*Fellowship* Southern Illinois University School of Medicine – Springfield, IL  
Orthopaedic Spine Surgery  
August 1989 – July 1990

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### Work History

7/2005 – Present	Orthopaedic Associates of Michigan, Grand Rapids, MI
7/2000 – 6/2005	Orthopaedic & Spine Specialist, Grand Rapids, MI
8/1992 – 6/2000	Spine Center of West Michigan, Grand Rapids, MI
9/1990 – 8/1992	Washington Square Orthopaedics, Grand Rapids, MI

### Professional Appointments

1993- 2008	<b>St. Mary's Hospital</b> , Grand Rapids, MI Department of Orthopaedics, <i>Chairman</i> Member of the Medical Executive Committee Member of the Cancer Committee
1995-	<b>Mary Free Bed Rehabilitation Hospital</b> – Grand Rapids, MI Member of the Medical Executive Committee
2012 – Present	<b>Spectrum Health</b> , Grand Rapids, MI Department of Orthopaedics, <i>Chairman</i> – 2016-2018 Department of Orthopaedics, <i>Vice Chairman</i> - 2012-2015 Department of Orthopaedics, <i>Member of Operating Committee</i>
2012-Present	<b>Michigan State Medical Society</b> , Lansing, MI Legislation and Regulation Committee
2012-Present	<b>Scoliosis Research Society</b> , Milwaukee, WI Education Committee Adult Spinal Deformity Committee

### Clinical Faculty Appointments

1998 – Present	<b>Grand Valley State University</b> Physical Therapy Department, <i>Lecturer</i>
1993 – Present	<b>Michigan State University College of Human Medicine</b> Department of Surgery, <i>Assistant Clinical Professor</i>
1990 – Present	<b>Grand Rapids Orthopaedic Residency Program</b> Clinical Faculty, <i>Coordinator of Spine Rotation</i>
	<b>Medtronic</b> <i>Faculty Member</i>

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### **Academic Activities**

- Member of the Educational Committee for the Orthopaedic Surgery Residency Program
- The Head of the Spine Curriculum for the Orthopaedic Surgery Residency Program
- Member of the Interview Committee for the Orthopaedic Residency Program, 2013

### **Hospital Affiliations**

- Spectrum Health System, Grand Rapids, MI
- Mercy Health Saint Mary's Hospital, Grand Rapids, MI
- Mary Free Bed Rehabilitation Hospital, Grand Rapids, MI
- Metro Health Hospital, Wyoming, MI

### **Certificate and Licensure**

- Michigan Board of Medicine License, *issued 1990*
- Drug Enforcement Administration License
- Board Certified, American Board of Orthopaedic Surgeons, *expires 2022*

### **Honor and Awards**

- Elected by the Scoliosis Research Society as a Candidate Fellow, 2012 - 2018
- Elected by peers for inclusion in Best Doctors in America, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2007, 2008, 2009, and 2013

### **Memberships**

- American Association of Orthopaedic Executives - 2012 - present
- American Academy of Orthopaedic Surgeons - 1994 - present
- American Medical Association - 1982 - present
- Michigan Orthopaedic Society
- Michigan State Medical Society
- Kent County Medical Society
- American Spinal Injury Association
- AO Spine
- North American Spine Society

### **Volunteer Work**

- Healing Children – Gilberto Rodriguez, May 2012

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### **Publications**

Scholten, D., Schmidt, C., Peacock, J., Steensma, M., Russo, S., Easton, K., Kampfshulte, K. Genetic and functional studies of the intervertebral disc: a novel murine intervertebral disc model. PLOS One. 10.1371/journal.pone.0112454 December 4, 2014

Merrick, M., Russo, S., & Hamilton, K: Acute Epidural Lipedma: A Novel Entity and Potential Complication of Bone Morphogenetic Protein Use in Lumbar Spine Fusion. The Spine Journal. October 2013: 13(10), e15-9.

Russo, S., Easton, K., Hammerstein, J.: Atlantoaxial Dislocation in a Child Secondary to a Displaced Chondrum Terminal. The Journal of Bone and Joint Surgery (American). 2007: 89:413-417

Russo, S., Liu, S., Borowiecki, T., Schroeder, F.: Fusion of scoliosis by Harrington distraction rod. Interspinous process and sublaminar wiring compared in 42 cases. Acta Orthop Scand. 1991 Dec;62(6):519-23.

Russo, S., et al: Sudden Death Resulting from Chicken Bone Perforation of the Esophagus. AM J Forensic Med Pathol 1986; 7(3): 263-5

Russo, S., et al: Scald Burns Complicated by Isopropyl Alcohol Intoxication. Am J Forensic Med Pathol 1986; 7 (1): 81-3

### **Presentations**

Gossett, L., Pelle, D., Easton, K., Russo, S. Factors influencing discharge status and length of stay following cervical vertebral fractures Grand Rapids Medical Partners Research Day – Grand Rapids, Michigan, April 27, 2016

Pelle, D., Schmidt, C. Russo, S., Easton, K., M.D. Steensma, M. “IL1- $\beta$  Downregulates Canonical WNT Signaling Within the Intervertebral Disc via an NF- $\kappa$ B Dependent Process: Implications for the Pathogenesis of Intervertebral Disc Degeneration.” Mid-America Orthopaedic Association 2016 Annual Meeting, Bonita Springs, Florida, April 13-17, 2016.

Russo, S. “Mitigating Medical complications in the SCI Patient.” Federation of Spine Associations 29<sup>th</sup> Annual Specialty Day, Orlando, Florida, March 5, 2016.

Russo, S “Spinal Deformity, Adult and Pediatric” December 2015, Presented at the Metro Health Community Presentation.

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**Presentations (continued)**

Russo, S. “Do You Have Back Pain”, November 2015 Presented at the Metro Health Arthritis Expo.

Chan, T., Sietsema, D., Merrick, M., Smith, C., Jones, C., Russo, S., Stubbart, J. What Are the Risk Factors Associated with Mortality After Type II and Type III Odontoid Fractures in the Elderly? Mid-America Orthopaedic Association 33<sup>rd</sup> Annual Meeting. Hilton Head, South Carolina, April 22-26, 2015.

Dylewski, S., Dixon, D., Russo, S., Stubbart, J., Brown, J.T., Easton, K., Palazollo A., Padley, M., Behrend, L. Implementation of a Focused Osteoporosis Screening and Treatment Program Reduces Future Spinal Fragility Fracture Risk. Grand Rapids Medical Partners Research Day – Grand Rapids, Michigan, April 22, 2015.

Russo, S. “Creating a Rich Life.” Presented at Scoliosis Research Society 49th Annual Meeting & Course, Anchorage, AK, September 12 2014

Russo, S.: Sagittal Plane Balance. January 2014. Presented at the Orthopaedic Surgery Residency Program, Grand Rapids, MI.

Russo, S.: Case Presentations. January 2014. Presented at the Orthopaedic Surgery Residency Program, Grand Rapids, MI.

Russo, S.: Physicians and Allied Health Professionals Presentation. May 2013. Presented at the Medical Grand Rounds, Grand Rapids, MI.

Russo, S., et al: Acute Unilateral Cervicomedullary Junction and Cervical Cord Stroke in an Adult with Os Odontoideum, 81st AANS Annual Scientific Meeting - New Orleans, Louisiana, April, 2013.

Russo, S et al: Factors Associated with Nonunion in 100 Consecutive Type 2 and Type 3 Odontoid Fractures in Elderly Patients AAOS Annual Meeting Chicago, IL March, 2013

Russo, S.: Complex Spine Deformity & Pre-Operative Planning. January 2013. Presented at the Orthopaedic Surgery Residency Program, Grand Rapids, MI.

Russo, S.: The Aging Spine. May 2012. Presented at a Seminar at Calvin College, Grand Rapids, MI.

Russo, S.: The Aging Spine. May 8, 2012. Presented on behalf of Spectrum Health Orthopaedic Community Seminars.

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### **Presentations (continued)**

Russo, S.: Medical Malpractice. January 2012. Presented at the Orthopaedic Surgery Residency Program, Grand Rapids, MI.

Russo, S: Commencement Speech. August 2011. Presented to the Lakeview Public Schools, Class of 2011

Russo, S., et al: Diagnosis and Management of Cervical Disc Degeneration, Herniation and Myelopathy. January 2011. Presented on behalf of Kent County Medical Society and Grand Rapids Medical Education Partners.

Russo, S., et al: Your Twisting Spine, Spinal Deformity Treatment in the 21<sup>st</sup> Century. September 2010. Presenter for Orthopaedic Community Seminar Series with Spectrum Health.

Russo, S., Russo, R, Maskill, J: “Let’s Talk Bones and Joints,” Lumbar Disc Replacement. Sponsored by West Michigan Rehabilitation Insurance Nurses Council, Grand Rapids, MI May 13, 2010.

Russo, S., et al: Thoracic and Lumbar Spine Anatomy. January 12, 2010. Presented to residents for River Valley Orthopaedics.

Russo, S.: Conservative Management of Low Back Pain. January 2010. Presented at Orthopaedic Grand Rounds Residency Program.

Russo, S., et al: Evaluation of Traumatic Spine Patients. July 2009. Presented to Residents at Grand Rapids Residency Program.

Russo, S., et al: Metastatic Spinal Tumors. January 2009. Presented to Residents at Grand Rapids Residency Program.

Russo, S., et al: Cervical Spine Anatomy. December 8, 2009. Presented to residents for River Valley Orthopaedics.

Russo, S., et al: Neurosurgery. April 30, 2008. Presented to Surgery Grand Rounds for Grand Rapids Medical Education and Research Center.

Russo, S., et al: Current Perspectives on Congenital Scoliosis. January 16, 2008. Guest Lecturer to Grand Rapids Orthopaedic Residency Program.

Russo, S., et al: Spine Trauma from Scene to Surgery. September 20, 2007. Guest lecturer to Emergency Medicine Residency Program.

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**Presentations (continued)**

Russo, S., et al: Pediatric Low Back Pain. June 2006. Presented at Pediatric Grand Rounds at DeVos Childrens Hospital

Russo, S., et al: Spinal Cord Injury. October 2005. Presented to Emergency Nurses Association.

Russo, S., et al: Management of Fixed Sagittal Plane Imbalance. June 2005. Presented at Grand Rapids Orthopaedic Residency Program.

Russo, S., et al: Back Pain in Children. May 2003. Presented to Residents at DeVos Childrens Hospital

Russo, S.: Low Back Pain, A Primary Care Perspective. 2001. Presented at Saint Mary's Family Practice Residency Program.

Russo, S.: Back Pain in Childhood and Adolescence. May 1999. Presented at Grand Rapids Medical Educational Research Center for Pediatric Residency Program.

Russo, S., Holwerda, T., Stubbart, J.: Anterior Multi-segmental Spinal Instrumentation and Arthrodesis for the treatment of Thoracolumbar and Lumbar Scoliosis. Presented at the Michigan Orthopaedic Society Annual Meeting, 1998.

Russo, S. et al: Lumbar Spine Disorders. March 31, 1997. Presented to students at Grand Valley State University Clinical Medicine I Course.

Russo, S., et al: Early Unbraced Ambulation following Harrington Distraction Instrumentation and Spinous Wiring in Adolescent Idiopathic Scoliosis. Presented at the 1994 Michigan Orthopaedic Society Meeting, Mackinaw Island, Michigan

Russo, S., et al: Early Unbraced Ambulation following Harrington Distraction Instrumentation and Spinous Wiring in Adolescent Idiopathic Scoliosis. Presented at the 1990 Orthopaedic Research Day, Springfield, Illinois University

Russo, S.: Innovations in Spinal Surgery. 1987. Presented at Orthopaedic Surgery Grand Rounds

Russo, S., et al: Atlanto-Axial Subluxation and Cervical Osteomyelitis in a Neonate with Retropharyngeal Abscess. Presented at the 1985 Grand Rapids Area Medical Education Research Day and awarded first place.

Russo, S., et al: Hip Fracture Mortality, 1984-1997. Presented at the 1985 Grand Rapids Area Medical Education Research Day.

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### **Continuing Education**

Answer Health Guidelines for Musculoskeletal Issues, 2016

Scoliosis Research Society 50<sup>th</sup> Annual Meeting 2015

Spinal Surgery Live – Washington University School of Medicine 2015

ICD-10 Provider Training – Regional Sessions – Surgical Focused Session, 2014

Spinal Deformity Live, Washington University School of Medicine, 2014

The 17th Advanced Techniques in Cervical Spine Decompression and Stabilization, 2010

CD Horizon Solera Surgical Assessment Training, 2010

MAST DLIF Course – Medtronic, 2010

Emerging Trends and Advanced Techniques in Spinal Surgery, 2008

Artificial Disc Replacement – Depuy Spine

Kyphoplasty - Kyphon Inflatable Bone Tamp Technology Course, 2003

Vertebroplasty, 2001

Midas Rex Hands-On Workshop, “3D Endoscopic Spine Surgery (Thoracoscopic)”, 1997

Part I, Physicians in Management, 1994

Part II, Physicians in Management, 1993

International Symposium on Implant Surgery for the Hand and Upper Extremity: A. Swanson, M.D., 1989, 1988, 1987, 1986, and 1985

A.O. Basic Course, Toronto, 1988

Advanced Trauma Life Support, Grand Rapids, MI, 1987

Pediatric Orthopaedic International Seminar: M Tachdjian, M.D., 1987

A.O. Residents Course, Chicago, IL, 1986

Orthopaedic Pathology Review: H. Schwamm, M.D., 1986

Lower and Upper Limb Prosthetics for Physicians and Surgeons, Northwestern University, 1986

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**Personal Business**

Russo Surgical Tools

Russo Inventions

Russo Nutritional Systems