

Michael T. Rohmiller, M.D.

Education:

Fellowship in Spine Surgery – San Diego Center for Spinal Disorders
Dr. Behrooz Akbarnia - fellowship director
2004-2005

Fellowship in Pediatric Orthopaedics and Scoliosis Surgery – Children’s Hospital of
San Diego / University of California, San Diego
Dr. Dennis Wenger - fellowship director
2003-2004

Residency in Orthopaedic Surgery – Vanderbilt University Medical Center
1999-2003

Internship in General Surgery - Vanderbilt University Medical Center
1998-1999

University of Kentucky College of Medicine – M.D., *Summa Cum Laude*
1994-1998

University of Kentucky – B.S. Agricultural Biotechnology, *Summa Cum Laude*
1990-1994

Board Status:

Board Certified

American Board of Orthopaedic Surgery
2007

Honors:

Residency

“Best Resident Paper” at 2001 Tennessee Orthopaedic Society Meeting

Southern Orthopaedic Association 18th Annual Residents and Fellows
Conference (2001) – Resident Co-Chair

Team Physician – Overton High School Football Team, Nashville, TN
2001, 2002 seasons

Tennessee Medical Association Delegate to AMA Interim Meeting: RFS
2002

Vanderbilt Department of Orthopaedic Surgery – Administrative Chief Resident
2002-2003

Vanderbilt Graduate Medical Education Committee- Housestaff representative
2002-2003

Vanderbilt Housestaff Advisory Council 2002-2003 – Chairman

Vanderbilt Housestaff Advisory Council 2001-2002 – Orthopaedic representative

Vanderbilt Medical Center/Medical Board Committee - Housestaff Representative

Vanderbilt Medical Records Committee - Housestaff Representative

Medical School

Alpha Omega Alpha Honor Medical Society – selected as junior medical student; vice-president 1997-1998

Dean's Scholarship 1994-1998

Academic Excellence Scholarship for Medical School Education – 1997-1998

Elected to Association of Pathology Chairs' National Honor Society – 1996

Elective Coordinator: Aids Education Outreach Program - 1995-1996

University of Kentucky Student Government – College of Medicine Senator – 1995-1998

University of Kentucky University Senate – Representative – 1996-1997

Ward O. Griffin Surgical Society – Vice Chair – 1996-1997

Undergraduate

Chancellor's Scholarship for undergraduate education – 1990-1994

Emerging Leaders Institute 1993

Golden Key National Honor Society

Lance's Junior Honorary - President

Publications:

1. M. Klyachkin, M.D., **M. Rohmiller, B.S.**, et al. Penetrating injuries of the neck: selective management evolving. *American Surgeon* Feb 1996; 189-194.

2. **M. Rohmiller, M.D.**, C. Tylkowski, M.D., V. Kriss, M.D., R. Mier, M.D. The Effect on Osteotomy on Bowing and Height in Children with X-linked Hypophosphatemia. *Journal of Pediatric Orthopadics* 1999;19:114-118.

3. **M. Rohmiller, M.D.**, D. Schwalm, M.S., R. Glattes, M.D., T. Elalayli, M.D., D. Spengler, M.D.. Evaluation of Calcium Sulfate Augmentation in Pedicle Screw Pullout Tests. *The Spine Journal* 2002; 2(4): 1-6.

4. J. Hartford, MD; P. Hester, MD; P. Watt, MS; D. Hamilton, BS; **M. Rohmiller, MD**; D. Pienkowski, PhD. Biomechanical Superiority of Plate Fixation for Proximal Tibial Osteotomy. *Clin Orthop.* 2003 Jul; (412):125-30.

5. . R. Glattes, M.D., K. Spindler, M.D., G. Blanchard, M.D., **M. Rohmiller, M.D.**, E. McCarty, M.D., J. Block, M.D.: A simple, accurate method to confirm placement of intra-articular knee injection. *Am J Sports Med.* 2004 Jun-Jul;32(4):1029-31.

6. **M. Rohmiller**, B. Callahan., The Reverse Sural Neurocutaneous Flap for Hindfoot and Ankle Coverage: Experience and Review of the Literature. *Orthopedics* 2005 Dec;28(12):1449-53.

7. **M. Rohmiller**, T. Gaynor, J. Pawelek, S. Mubarak., Salter-Harris I and II fractures of the distal tibia: does mechanism of injury relate to premature physal closure? *J Pediatr Orthop.* 2006 May-Jun;26(3):322-8.

8.V. Upsani. S. Kishan, R. Oka, A. Mahar, **M. Rohmiller**, M. Pring, D. Wenger., Biomechanical analysis of single screw fixation for slipped capital femoral epiphysis: are more threads across the physis necessary for stability? *J Pediatr Orthop.* 2006 Jul-Aug;26(4):474-8.

9. S. Kishan, V. Upsani, A. Mahar, R. Oka, T. Odell, **M. Rohmiller**, P. Newton, D. Wenger., Biomechanical stability of single-screw versus two-screw fixation of an unstable slipped capital femoral epiphysis model: effect of screw position in the femoral neck. *J Pediatr Orthop.* 2006 Sep-Oct;26(5):601-5.

Book Chapters:

1. **M. Rohmiller, M.D.**, G. Mencio, M.D., N. Green, M.D.: Pediatric Orthopaedic Trauma. In: Ashcraft, Holcomb, and Murphy (eds.): Pediatric Surgery 4th Edition. Philadelphia: W.B. Saunders, 2004.

2. **M. Rohmiller, M.D.**, B. Akbarnia, M.D.: Infantile Scoliosis. In: Heary, Albert (eds): Spinal Deformities, The Essentials. Thieme New York, 2007

3. **M. Rohmiller, M.D.**, B. Akbarnia, M.D.: Spine Deformity in Myelodysplasia. In: Newton, Kim and Betz (eds.) : Surgery of the Pediatric Spine 2007

Posters:

1. **M. Rohmiller, M.D.**, C. Tylkowski, M.D., V. Kriss, M.D., R. Mier, M.D. The Effect of Osteotomy on Bowing and Height in Children with X-Linked Hypophosphatemia. *Poster presented at the Pediatric Orthopaedic Society of North America Annual Meeting 1998.*

2. E. Wall, M.D., D. Bylski-Austrow, Ph.D., M. Rupert, **M. Rohmiller, M.D.**, D. Roy, M.D., A. Crawford, M.D.. Growth Plate Forces in the Adolescent Human Knee. *Poster presented at American Academy of Orthopaedic Surgeons Annual Meeting 1999.*

3. **M. Rohmiller, M.D.**, D. Schwalm, M.S., R. Glattes, M.D., T. Elalayli, M.D., D. Spengler, M.D.. Evaluation of Calcium Sulfate Augmentation in Pedicle Screw Pullout Tests. *Poster presented at the North American Spine Society Meeting 2001.*

4. **M. Rohmiller, M.D.**, D. Schwalm, M.S., R. Glattes, M.D., T. Elalayli, M.D., D. Spengler, M.D.. Evaluation of Calcium Sulfate Augmentation in Pedicle Screw Pullout Tests. *Poster presented at the Vanderbilt 20th annual Resident Research Forum 2002.*

5. **M. Rohmiller, M.D.**, G. Mencio, M.D., J. Fox, M.D., N. Green, M.D.: Use of Coralline Hydroxyapatite and Autologous Growth Factors to achieve fusion in adolescent patients undergoing posterior spinal fusion for correction of scoliosis. *Presented at the Scoliosis Research Society Meeting 2002 in Seattle.*

6. **M. Rohmiller, M.D.**, M. Marks, PT, T. Gaynor, MA, P. Newton, MD., Harms Study Group.: Does a Correlation Exist Between Implant Type, Number of Fixation Points, and

Cost in the Surgical Correction of Adolescent Idiopathic Scoliosis? *Presented at IMAST 2004 in Bermuda.*

7. **M. Rohmiller, M.D.**, K. Raiszadeh, K.Raiszadeh, B. Akbarnia., Closed Suction Irrigation for the treatment of postoperative wound infection of the spine following spinal fusion and instrumentation. *Presented at 2006 Scoliosis Research Society Meeting in Monterey, CA*

Presentations:

1. **M. Rohmiller, M.D.**, D. Schwalm, M.S., R. Glattes, M.D., T. Elalayli, M.D., D. Spengler, M.D. Evaluation of Calcium Sulfate Augmentation in Pedicle Screw Pullout Tests. *Tennessee Orthopaedic Society Annual Meeting 2001: The Greenbrier.*

2. **M. Rohmiller, M.D.**, D. Schwalm, M.S., R. Glattes, M.D., T. Elalayli, M.D., D. Spengler, M.D. Evaluation of Calcium Sulfate Augmentation in Pedicle Screw Pullout Tests. *Southern Orthopaedic Association Residents and Fellows Conference 2001: Nashville, TN.*

3. **M. Rohmiller, M.D.**, C. Devin, M.D., R. Glattes, M.D., G. Mencio, M.D., N. Green, M.D. The Use of Reamed, Locked, Intramedullary Nails for Treatment of Femoral Shaft Fractures in Skeletally Immature Patients. *Southern Orthopaedic Association Annual Meeting 2002 : Florence, Italy.*

4. **M. Rohmiller, M.D.**. Back Pain in Children. Pediatric Department Conference- Feb 2002 -*Vanderbilt University: Nashville, TN*

5. **M. Rohmiller, M.D.**, B. Callahan, M.D. The Reverse Sural Neurocutaneous Flap for Hindfoot and Ankle Coverage: Experience and Review of the Literature. *Western Orthopaedic Association Meeting 2002: Maui, HI.*

6. **M. Rohmiller, M.D.**, S. Kusuma, MBA, M.D., M. Blanchard, M.D., J. Edwards, M.D., M. McAndrew, M.D., M. Sciadini, M.D., K. Johnson, M.D.: Management of open fractures of the lower extremity: Does timing of operative treatment and primary wound closure really matter? *Orthopaedic Trauma Association Meeting 2002: Toronto, Canada.*

7. **M. Rohmiller, M.D.**, G. Mencio, M.D., N. Green, M.D. Anterior Spinal Fusion for Idiopathic Thoracolumbar- Lumbar Scoliosis: Results Using Single Solid Rod and Structural Autogenous Rib Graft. *Vanderbilt Orthopaedic Society Meeting 2003: Kiawah Island, SC.*

8. **M. Rohmiller, M.D.**, S. Kusuma, MBA, M.D., M. Blanchard, M.D., J. Edwards, M.D., M. McAndrew, M.D., M. Sciadini, M.D., K. Johnson, M.D.: Management of open fractures of the lower extremity: Does timing of operative treatment and primary wound closure really matter? *Vanderbilt Orthopaedic Society Meeting 2003: Kiawah Island, SC.*

9. **M. Rohmiller, M.D.**, T. Gaynor, M.A., J. Pawelek, B.S., S. Mubarak, M.D.: Salter-Harris type I/II Fractures of the Distal Tibia: Does Operative Treatment Decrease the Incidence of Premature Physeal Closure? *Presented at the Pediatric Orthopaedic Society Meeting 2004 in St. Louis by POSNA member S. Mubarak, M.D.*

10. **M. Rohmiller, M.D.**, M. Marks, P.T., T. Gaynor, M.A., P. Newton, M.D., Harms Study Group : Does a Correlation Exist Between Implant Type, Number of Fixation Points, and Cost in the Surgical Correction of Adolescent Idiopathic Scoliosis? *Scoliosis Research Society Meeting 2004 in Buenos Aires, Argentina.*

11. P Newton, MD, C Farnsworth, MS, E Breisch, PhD, **M Rohmiller, MD**, J R Kim, MD, PhD, Andrew Perry, MD, Behrooz A. Akbarnia, MD.: The Biological Effects of Combining Metals in a Posterior Spinal Implant: Mini-pig Model. *Presented at the 2007 SRS Meeting in Edinburgh, Scotland by C. Farnsworth.*

Abstracts Published:

1. Penetrating Injuries of the Neck: Selective Management Evolving. M. Klyachkin, M.D., **M. Rohmiller, B.S.**, et al. *Southeastern Surgical Congress 1997;Vol 63 (2):#189.*

2. Evaluation of Calcium Sulfate Augmentation in Pedicle Screw Pullout Tests. **M. Rohmiller, M.D.**, D. Schwalm, M.S., R. Glattes, M.D., T. Elalayli, M.D., D. Spengler, M.D.. *Southern Medical Journal 2001;Vol 94 (10): S63-S64.*

Manuscripts Submitted:

1. A. Thomson, M.D., **M. Rohmiller, M.D.**, H. Schwartz, M.D.: Development of Pseudotumors following Total Joint Arthroplasty. *In Review.*

2. **M. Rohmiller, M.D.**, C. Devin, M.D., R. Glattes, M.D., G. Mencio, M.D., N. Green, M.D.: Use of Reamed, Locked Intramedullary Nails for Treatment of Femoral Shaft Fractures in Skeletally Immature Patients. *In Progress.*

3. **M. Rohmiller, M.D.**, S. Kusuma, MBA, M.D., M. Blanchard, M.D., J. Edwards, M.D., M. McAndrew, M.D., M. Sciadini, M.D., K. Johnson, M.D.: Management of open fractures of the lower extremity: Does timing of operative treatment and primary wound closure really matter? *In Review.*

Current Projects:

1. **M. Rohmiller, M.D.**, M. Marks, P.T., T. Gaynor, M.A., P. Newton, M.D., Harms Study Group : Does a Correlation Exist Between Implant Type, Number of Fixation Points, and Cost in the Surgical Correction of Adolescent Idiopathic Scoliosis? *In Progress.*

2. **M. Rohmiller, M.D.**, T. Bradbury, M.D., D. Weikert, M.D., E. McCarty, M.D., and K. Spindler, M.D. : Traumatic Brachial Plexus Avulsion in a Division I NCAA Collegiate Football Player: Case Report and Review of the Literature. *In Progress.*

3. John G. Vachtsevanos, MD, Eric Wieser, MD, **M. Rohmiller, M.D.**, Phillip Noble, Ph.D., Richard Eppright, M.D.: Articular Contact Area and Pressure Changes with Variations of the CE Angle in the Hip. *In Progress.*

4. P Newton, MD, C Farnsworth, MS, E Breisch, PhD, **M Rohmiller, MD**, J R Kim, MD, PhD, Andrew Perry, MD, Behrooz A. Akbaria, MD.: The Biological Effects of Combining Metals in a Posterior Spinal Implant: Mini-pig Model. In Review

Societies/Organizations:

Alpha Omega Alpha Honor Medical Society
American Academy of Orthopaedic Surgeons
Cincinnati Academy of Medicine
Kentucky Medical Association
Ohio State Medical Association
North American Spine Society
Northern Kentucky Medical Society
Pi Kappa Alpha Social Fraternity – alumnus
Scoliosis Research Society – Candidate Member
Southern Orthopaedic Association
Tennessee Medical Association
Vanderbilt Orthopaedic Society

State Medical Licensure:

Kentucky Medical License	# 39449
Ohio Medical License	# 85826