

## CURRICULUM VITAE

Alfred E. Geissele, MD, FACS  
Carolina Orthopaedic Specialists  
2165 Medical Park Drive  
Hickory, NC 28602  
(828) 324-2800

### EDUCATION:

College	St. Vincent College, 1976-1980. Latrobe, Pennsylvania Bachelor of Science (Biology) Summa Cum Laude Biology Department Award of Excellence
Medical School	Hahnemann University School of Medicine, 1980-1984. Philadelphia, Pennsylvania, Doctor of Medicine AOA Honor Medical Society Senior Honors Program University Hospital Medical Staff Award Orthopedic Surgery Prize
Internship	Transitional Internship, 1984-1985. Walter Reed Army Medical Center Washington, DC Combat Casualty Course Fort Sam Houston, Texas 1984
Residency	Orthopaedic Surgery, 1986-1990. Orthopaedic Service Walter Reed Army Medical Center Washington, DC Orthopaedic Pathology Course, AFIP, 1987 Chief Resident, 1989-1990
Fellowship	John H. Moe Fellow in Spine Surgery, 1992-1993 University of Minnesota Twin Cities Scoliosis Spine Center Minneapolis, Minnesota

Licensure  
Pennsylvania (MD-035232-E), issued 3 February 86.  
Minnesota (35035), issued 16 Nov 91.  
North Carolina (95-00588), issued 20 May 95.

Certification  
Diplomate, American Board of Orthopaedic Surgery, 1992; Recert 2001  
Diplomate, National Board of Medical Examiners

Hospital  
Appointments:  
Orthopaedic On-the-Job Trainee and General  
Medical Officer, Department of Surgery, Orthopaedic  
Service, Munson Army Community Hospital  
Fort Leavenworth, Kansas 1985-1986  
Army Commendation Medal

Attending Orthopaedic Surgeon  
Blanchfield Army Community Hospital  
Fort Campbell, Kentucky 1990-1992  
Chief of Orthopaedics, 1991  
Meritorious Service Medal

Chief of Orthopaedics  
Medical Element, Joint Task Force Bravo  
Soto Cano Air Base  
Honduras, Central America, August 1990-January 1991  
Army Achievement Medal

Assistant Chief, Orthopaedic Service  
Chief, Spine Service  
Residency Academic Director, 1993-1994  
Dwight David Eisenhower Army Medical Center  
Fort Gordon, Georgia 1993-1995

Staff Orthopaedic Surgeon  
Catawba Memorial Hospital  
Frye Regional Medical Center  
Hickory, North Carolina 1995-present

Academic  
Appointments:  
Clinical Assistant Professor of Surgery  
F. Edward Hebert School of Medicine  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland Appointed: August 1992

Organizations and  
Affiliations:

AOA Honor Medical Society  
American Medical Association  
Fellow, American College of Surgeons  
Fellow, American Academy of Orthopaedic Surgeons  
Member, North American Spine Society  
Member, North Carolina Spine Society  
Member, Scoliosis Research Society  
Catawba County Medical Society  
North Carolina Medical Society

Teaching Experience:

Lecturer in Orthopaedic Surgery  
F. Edward Hebert School of Medicine  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland, 1989-1990

Instructor, AO/ASIF Course for Operating Room Personnel  
Greater Southeast Community Hospital, Washington, DC  
July 1989

Moderator, Southern Orthopaedic Association  
Residents and Fellows Conference  
Washington, DC, November 1989

Instructor, Military Contingency Medicine Course  
F. Edward Hebert School of Medicine  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland, January 1990

Postdoctoral Fellow  
Department of Orthopaedic Surgery  
University of Minnesota, Minneapolis, Minnesota  
1992-1993

Instructor, Practical Applications of  
Spinal Instrumentation  
Orthopaedic Learning Center  
Minneapolis, Minnesota  
August/October 1992; April/May 1993

Teaching Experience  
cont'd

Attending Surgeon  
Chief of Spine Surgery  
Residency Academic Director (1993-1994)  
Dwight David Eisenhower Army Medical Center  
Fort Gordon, Georgia  
1993-1995

Present Clinical and Basic Science Research Interests:

Surgical vs. Nonsurgical treatment of thoracolumbar burst fractures  
Spondylolisthesis  
School Screening for Idiopathic Scoliosis

Publications:

Berman A.T.; Geissele, A.E.; and Bosacco, S.J.:  
Blood Loss with Total Knee Arthroplasty.  
Clinical Orthopaedics and Related Research,  
234:137-138, 1988.

Geissele, A.E.; and Stanton, R.P.:  
The Surgical Treatment of Adolescent Hallux Valgus.  
Journal of Pediatric Orthopaedics, 10:642-648, 1990.

McHale, K.A.; Geissele, A.E.; and Perlik, P.C.:  
Compartment Syndrome of the Biceps Brachii Compartment  
Following Rupture of the Long Head of the Biceps.  
Orthopaedics, 14(7):787-788, 1991.

Geissele, A.E.; Kransdorf, M.J.; Geyer, C.A.; Jelinek, J.S.;  
and van Dam, B.E.: Magnetic Resonance Imaging of the  
Brainstem in Idiopathic Scoliosis.  
Spine, 16(7):761-763, 1991.

Geissele, A.E.; Ogilvie, J.W.; Cohen, M.; and Bradford, D.S.:  
Thoracoplasty for the Treatment of Rib Prominence in  
Thoracic Scoliosis. Spine, 19(14):1636-1642, 1994.

Wood, K.B.; Popp, C.A.; Transfeldt, E.E.; and Geissele, A.E.:  
Radiographic Evaluation of Instability in Spondylolisthesis.

Spine, 19(15):1697-1703, 1994.

Publications, cont'd

Wood, K.B.; Geissele, A.E.; and Ogilvie, J.W.:  
Pelvic Fractures After Long Lumbosacral Fusions.  
Spine, 21(11):1357-1362, 1996.

Benfanti, P.L.; and Geissele, A.E.:  
The Effect of Intraoperative Hip Position on Maintenance of  
Lumbar Lordosis. A Radiographic Study of Anesthetized  
Patients and Unanesthetized Volunteers on the Wilson Frame.  
Spine, 22(19):2299-2303, 1997.

Abstracts:

Thomson, J.D.; Berrey, B.; Heekin, R.D.; and Geissele, A.E.:  
Soft Tissue Sarcomas of the Extremities.  
Orthopaedic Transactions, 13(1):162, 1989.

Scientific  
Presentations:

Segmental Bone Grafting and Wiring for Traumatic Lumbar  
Spondylolysis. Geissele, A.E.; van Dam, B.E.; and Ryan, J.B.  
29<sup>th</sup> Annual Meeting, The Society of Military Orthopaedic  
Surgeons,  
San Diego, California, November 18, 1987.

The Surgical Treatment of Adolescent Hallux Valgus.  
Geissele, A.E.; and Stanton, R.P.  
30<sup>th</sup> Annual Meeting, The Society of Military Orthopaedic  
Surgeons,  
Williamsburg, Virginia, December 5, 1988.

Soft Tissue Sarcomas of the Extremities.  
Thomson, J.D.; Berrey, B.H.; Heekin, R.D.; and Geissele, A.E.  
30<sup>th</sup> Annual Meeting, The Society of Military Orthopaedic  
Surgeons,  
Williamsburg, Virginia, December 5, 1988.

Scientific  
Presentations, cont'd

Magnetic Resonance Imaging of the Brainstem in Idiopathic Scoliosis. Geissele, A.E.; Kransdorf, M.J.; Geyer, C.A.; Jelinek, J.S.; and van Dam, B.E. 31<sup>st</sup> Annual Meeting, The Society of Military Orthopaedic Surgeons, San Antonio, Texas, December 11, 1989.

Thoracoplasty for the Treatment of Rib Prominence in Thoracic Scoliosis: Results and Technique. A Controlled Study. Geissele, A.E.; Ogilvie, J.W.; Cohen, M.; and Bradford, D.S. 28<sup>th</sup> Annual Meeting, Scoliosis Research Society, Dublin, Ireland, September 21, 1993.

Thoracoplasty for the Treatment of Rib Prominence in Thoracic Scoliosis: Results and Technique. A Controlled Study. Geissele, A.E.; Ogilvie, J.W.; Cohen, M.; and Bradford, D.S. 61<sup>st</sup> Annual Meeting, American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, February 28, 1994.

The Effect of Intraoperative Positioning on Lumbar Lordosis. Benfanti, P.L.; and Geissele, A.E. 36<sup>th</sup> Annual Meeting, The Society of Military Orthopaedic Surgeons, Hilton Head, South Carolina, November 16, 1994.

The Effect of Intraoperative Hip Position on Maintenance of Lumbar Lordosis. Benfanti, P.L.; and Geissele, A.E. 30<sup>th</sup> Annual Meeting, Scoliosis Research Society Asheville, North Carolina, September 14, 1995.

Pelvic Fractures Following Long Lumbosacral Fusions Wood, K.B.; Geissele, A.E.; Ogilvie, J.W.; and Schendel, M.J. 30<sup>th</sup> Annual Meeting, Scoliosis Research Society Asheville, North Carolina, September 14, 1995.

The Effect of Intraoperative Hip Position on Maintenance of Lumbar Lordosis. Benfanti, P.L.; and Geissele, A.E. 10<sup>th</sup> Annual Meeting, North American Spine Society, Washington, D.C., October 20, 1995.

Scientific  
Presentations, cont'd

Effect of Intraoperative hip Position on Maintenance of Lumbar Lordosis: A Radiographic Study of Anesthetized Patients and Unanesthetized Volunteers on the Wilson Frame  
Benfanti, P.L.; and Geissele, A.E.  
63<sup>rd</sup> Annual Meeting, American Academy of Orthopaedic Surgeons,  
Atlanta, Georgia, February 24, 1996

Regional  
Presentations:

The Surgical Treatment of Adolescent Hallux Valgus.  
Geissele, A.E.; and Stanton, R.P.  
Alfred I. duPont Institute Resident's Day  
Alfred I. duPont Institute, Wilmington, Delaware, June 16, 1988.

Soft Tissue Sarcomas of the Extremities-Principles of Staging, Biopsy, and Current Treatment.  
Thomson, J.D.; Geissele, A.E.; Heekin, R.D.; and Berrey, B.H.  
Grand Rounds Orthopaedics Washington  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland, October 31, 1987.

The Scientific Basis for the Perioperative Management of Total Joint Arthroplasty.  
Miller, I.L.; Geissele, A.E.; Malcolm, J.R.; Heekin, R.D.; and Polly, D.W.  
Grand Rounds Orthopaedics Washington  
Walter Reed Army Medical Center, Washington, D.C., October 8, 1988.

Magnetic Resonance Imaging of the Brainstem in Idiopathic Scoliosis.  
Geissele, A.E.; Kransdorf, M.J.; Geyer, C.A.; Jelinek, J.S.; and van Dam, B.E.  
Clinical Investigator Recognition Seminar  
Department of Clinical Investigation  
Walter Reed AMC, Washington, D.C., November 21, 1989.

Regional  
Presentations, cont'd

Cervical Spine Fractures.

Geissele, A.E.

Twin Cities Scoliosis Spine Center, Minneapolis, Minnesota

October 26, 1992

Adult Spinal Deformity.

Geissele, A.E.; Banks, G.M.

Department of Orthopaedic Surgery Grand Rounds

University of Minnesota, Minneapolis, Minnesota, October 31  
1992

Thoracoplasty-Technique and Results in Right Thoracic Scoliosis.

Geissele, A.E.; Ogilvie, J.W.; Cohen, M.; and Bradford, D.S.

Minnesota Orthopaedic Society Annual Meeting

Minneapolis, Minnesota, May 7, 1993

Adult Spinal Deformity.

Geissele, A.E.

U.S. Army Spine Study Group

Fitzsimons Army Medical Center, Aurora, Colorado, January 15,  
1994

Adult Spinal Deformity.

Geissele, A.E.

Department of Orthopaedic Surgery Grand Rounds

Medical College of Georgia, Augusta, Georgia, January 26, 1994

Spondylolisthesis.

Geissele, A.E.

Department of Orthopaedic Surgery Grand Rounds

Medical College of Georgia, Augusta, Georgia, February 26, 1995

Scoliosis: Update 1996

Geissele, A.E.

Department of Pediatrics Continuing Education Meeting

Frye Regional Med. Center, Hickory, North Carolina, March 18  
1996

Intraoperative Spinal Monitoring and Spinal Instrumentation

Anesthesia Department CME Meeting

Regional  
Presentations, cont'd

Frye Regional Med. Center, Hickory, North Carolina, August 26,  
1996

Scoliosis: Update 1996

Geissele, A.E.

Monthly AHEC CME Meeting

Catawba Memorial Hospital, Hickory, North Carolina, October 3,  
1996

Reducing Occupational Low Back Disability

Unifour Area Health & Safety Organization Meeting

Catawba Memorial Hospital AHEC

Hickory, North Carolina, October 28, 1996

Evaluation and Management of Lumbar Disc Herniation

Frye Regional Medical Center 3<sup>rd</sup> Annual Spring Symposium

Holiday Inn, Hickory, North Carolina, March 15, 1997

What is Orthopaedic Spine Surgery?

Orthopaedic Nurses Workshop, August 22, 1997

Foothills PeriAnesthesia Nurses Meeting, October 2, 1997

Catawba Memorial Hospital, Hickory, North Carolina

Improving Outcomes in Lumbar Spinal Surgery

Carolina Orthopaedic Specialists Workers Comp Symposium

Holiday Inn, Hickory, North Carolina, September 24, 1998

Lumbar Spinal Fusion-Decision Making and Technique

Neuro Ortho Nursing Grand Rounds

Frye Regional Medical Center, October 1, 1998

The Failed Back Syndrome

Carolina Orthopaedic Specialists Workers Comp Symposium

Holiday Inn, Hickory, North Carolina, February 10, 2000

Neck and Shoulder Pain

Essentials of Orthopaedics for Primary Care Physicians

Carolina Orthopaedic Specialists Symposium, August 18, 2001

Grace Hospital, Morganton, North Carolina

Spinal Injuries March 19, 2007

Athletic Injury Mgt Class, Sports Medicine Department  
Lenoir Rhyne College, Hickory, North Carolina

Poster Exhibits:

Magnetic Resonance Imaging of the Brainstem in Idiopathic Scoliosis. Geissele, A.E.; Kransdorf, M.J.; Geyer, C.A.; Jelinek, J.S.; and van Dam, B.E. Combined Meeting of the Scoliosis Research Society and the European Spinal Deformities Society Amsterdam, The Netherlands, September 17-22, 1989

Magnetic Resonance Imaging of the Brainstem in Idiopathic Scoliosis. Geissele, A.E.; Kransdorf, M.J.; Geyer, C.A.; Jelinek, J.S.; and van Dam, B.E. 57<sup>th</sup> Annual Meeting, American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, February 8, 1990

Treatment of Traumatic Lumbar Spondylolysis  
With Bone Grafting and Pedicle Fixation.  
van Dam, B.E.; Geissele, A.E.; and Ryan, J.B.  
57<sup>th</sup> Annual Meeting, American Academy of Orthopaedic  
Surgeons  
New Orleans, Louisiana, February 8, 1990

Treatment of Traumatic Lumbar Spondylolysis  
With Bone Grafting and Pedicle Fixation.  
Van Dam, B.E.; Geissele, A.E.; and Ryan, J.B.  
25<sup>th</sup> Annual Meeting, Scoliosis Research Society  
Honolulu, Hawaii, September 23-27, 1990

Syrinx-like Artifacts on Cervical MRI: The Gibbs' Phenomenon.  
Benfanti, P.L.; and Geissele, A.E.  
30<sup>th</sup> Annual Meeting, Scoliosis Research Society  
Asheville, North Carolina, September 14-16, 1995

Pelvic Fractures Following Long Lumbosacral Fusions:  
Incidence and Biomechanics.  
Wood, K.B.; Geissele, A.D.; Ogilvie, J.W.; and Schendel, M.J.  
30<sup>th</sup> Annual Meeting, Scoliosis Research Society  
Asheville, North Carolina, September 14-16, 1995

Syrinx-like Artifacts on Cervical MRI: The Gibbs' Phenomenon.  
Benfanti, P.L.; and Geissele, A.E.  
10<sup>th</sup> Annual Meeting, North American Spine Society  
Washington, D.C., October 18-21, 1995