



ANTHONY F. GUANCIALE, M.D.
Associate Professor
Director, Division of Spine Surgery

EDUCATION

Training in Spine Surgery
Board Certified Orthopaedic Surgeon (7/1997)

American Academy of Orthopaedic Surgeons
(AAOS) Fellowship (1999)

**EDUCATION, HONORS
AND SOCIETIES**

Medical:

Spine Fellowship
Kerlan-Jobe Orthopaedic Clinic
August 1994-August 1995
Director: Robert G. Watkins, M.D.
Staff: William H. Dillin, M.D.
Lytton Williams, M.D.

Orthopaedic Surgery Resident
Cleveland Clinic Foundation
July 1989-June 1994

General Surgery Internship
Cleveland Clinic Foundation
July 1989-July 1990

Medical College of Ohio
M.D. Degree
1985-1989

Dallas B. Phemister Award
Orthopaedic Resident Research-Septic Arthritis
MidAmerica Orthopaedic Association Meeting
South Hampton, Bermuda, April 1994

Cleveland Clinic Research Day
Paper Presentation, June 1994
"Septic Arthritis-A long term biochemical and histological
comparison of treatment options in a rabbit animal model"

AOA Honor Society Appointment 1989
MCO Chapter

MCO Graduation with Honors 1989
(top 10% class standing)

MCO Academic Scholarship 1987-1988 and 1988-1989

**EDUCATION, HONORS
AND SOCIETIES (continued)**

SOS Medical Scholarship
Awarded by the Cuyahoga County Medical Foundation
1985-1989

Graduate:

The University of Akron
Master's Graduate - Biology Studies
1982-1984

The University of Akron
Teaching Assistant - Anatomy and Physiology Tutorial
1982-1983

Akron City Hospital
Research Assistant Scholarship - Vascular Research Lab
1983-1984

Undergraduate:

Ohio University
B.S. Degree
Major: Zoology Minor: Philosophy
1978-1982

Ohio University
Cum Laude
1982

Ohio University
Dean's List - Academic Years 1978-1982

Pi Gamma Mu International Honor Society

Ohio University
Executive Board Member - Pre Medicine Club
1979-1982

Ohio University Judiciaries
Hearing Board Member
1980-1982

High School:

Newark Catholic High School
Honors Level
1974-1978

Varsity Basketball
3 years

Varsity Track
2 years

HOSPITAL AFFILIATIONS

Bethesda Hospital
Children's Hospital Medical Center
The Christ Hospital
Clermont Mercy Hospital
Drake Center Inc.-(Voluntarily declined renewal of privileges 4/7/06)
Jewish Hospital
Mercy Hospital Anderson
University Hospital

RESEARCH

Research Assistant (The University of Akron and Akron City Hospital Vascular Research Lab (1983-1984) Umbilical Vein Derived Human Endothelial Cell Cultures: Effects of Alterations of Cell Environment on Prostacyclin Production.

Research Technician (Case Western Reserve University-University Hospitals of Cleveland, Department of Pulmonary Medicine 1984-85) Diaphragm Muscle and Crural Muscle Contractile Properties in Relation to Alterations in Diaphragmatic Muscle Blood Flow.

Medical Student Summer Research Internship (MCO-1986). Protein Gel Electrophoresis. Profiles of the Optic Cup and Optic Stalk in Normal and Spontaneously Defective Eyes in Sprague-Dawley Rats.

Indications for the Use of Technicium 99 Bone Scanning and Magnetic Resonance Imaging for Evaluation of the Young Athlete with Persistent Low Back Pain. Kerlan-Jobe Orthopaedic Spine Clinic.

Interlaminar Decompression in Spinal Stenosis: A Quantitative Analysis of the Extent of Operative Decompression by Assessment of Preoperative vs Postoperative Canal Diameter via CT Scanning. Kerlan-Jobe Orthopaedic Spine Clinic.

“Laser Guided vs Fluoroscopic Percutaneous Spinal Localization”.

Lumbar Vertebral Body & Intervertebral Disc Space Morphology – Implications in Lumbar Surgery.

Ischemic Optic Neuropathy in Spinal Surgery - Intraoperative Measurement of Intraocular Pressure.

An Open-Label, Randomized, Parallel-Group Study to Confirm the Safety and Efficacy of PROCIT (Epoetin alfa) Administered Perioperatively vs the Standard of Care in Blood Conservation in Subjects Undergoing Major Elective Spinal Surgery. (Study discontinued, 2002).

Grand approved for study entitled, “Revision Cervical Spine Surgery: Anterior vs Posterior”. \$5,000 awarded from University Orthopaedic Research and Education Foundation, 2002.

Study with Medtronic/Danek as an Investigator on, “The Effects of BMP-12 on Posterior Cervical Spine Ligament Healing in a Beagle Dog Injury Model. MPI Research Facility in Kalamazoo, MI. March – May of 2004, and October, 2004.

“Effects of Platelet Rich Plasma on Bone Healing”.

“Morphology of the Vertebral End plate – Effects on Surgical Treatment”.

PUBLICATIONS

Bark, H., Supinski, G.S., Guanciale, A.F., and Kelsen, S.G.: Effect of Changes in the Magnitude and Timing of Diaphragmatic Muscle Contractions on Diaphragmatic Muscle Blood Flow (Abstract), Federation Proc. 44: 1003, 1985.

Supinski, Gerald S., Bark, Hilton, Guanciale, Anthony, and Kelsen, Steven G.: Effects of Alterations in Muscle Fiber Length on Diaphragm Blood Flow. J. Appl. Physiol. 60(5):1789-1796, 1986.

PUBLICATIONS (continued)

Guanciale, A.F., Marks, K.E., Andrish, J.A., McDevitt, C.: Septic Arthritis: A Long Term Biochemical and Histological comparison of Antibiotic treatment alone vs antibiotic treatment plus arthroscopic debridement in a Rabbit Animal Model. Abstract, Mid America Orthopaedic Association, April 1994.

Guanciale, A.F., Dinsay, J.M., Watkins, R.G.: Lumbar Lordosis in Spinal Fusion: A Comparison of Intraoperative Results of Patient Positioning on Two Different Operative Table Frame Types. Spine Suppl. 1995.

Guanciale, A.F.: Interlaminar Decompression in Spinal Stenosis: A Quantitative Analysis of the Extent of Operative Decompression by Assessment of Preoperative vs. Postoperative Canal Diameter via CT Scanning. Kerlan-Jobe Orthopaedic Spine Clinic, Abstract NASS 10th Annual Meeting, October 18-21, 1995.

Guanciale A.F., Dinsay, J.M., Watkins, R.G.: Lumbar lordosis in spinal fusion. A comparison of intraoperative results of patient positioning on two different operative table frame types. Spine 21(8):964-969, April, 1996.

Guanciale, A.F.: Positioning for Posterior Cervical Spine Surgery, "Techniques in Spine Surgery", Failed Back Syndrome Edition, Seminars in Spine Surgery, 5-16, 1998.

Guanciale, A.F., Dillin, W.H., Watkins, R.G.: Back Pain in Children and Adolescents. The Spine, 4th Edition, 10:187-220, 1999.

Revision Cervical Spine Surgery: Anterior vs Posterior, Anthony F. Guanciale, M.D. and Jeff Dodd, M.D. Research paper presented "Best Thesis Award" at the University of Cincinnati, May 4, 2002.

PAPER PRESENTATIONS

Septic Arthritis: A Long Term Biochemical and Histological Comparison of Treatment Options in a Rabbit Animal Model. Cleveland Clinic Research Day, Paper Presentation, June 1994.

Lumbar Lordosis in Spinal Fusion", International Society for the Study of the Lumbar Spine, Helsinki, Finland. June 18-22, 1995.

"Interlaminar Decompression in the Treatment of Adult Degenerative Lateral Recess Stenosis: A Cadaveric Study Quantifying the Degree of Decompression Obtainable in this Selective Multiple Laminotomy Type Procedure", North America Spine Society 10th Annual Meeting, Washington, DC. October 18-21, 1995.

Spinal Stabilization, Lecture to Physical Medicine and Rehabilitation Residents and Medical Students, University of Cincinnati, December 5, 1996.

"Low Back Pain in the Athlete". Summa Health System's Second Annual Combined Sports Medicine Conference. Akron, Ohio, October 23, 1998.

"Athletic Injuries Involving the Cervical Spine". Summa Health System's Second Annual Combined Sports Medicine Conference, Akron, Ohio, October 23, 1998.

Grand Rounds, Cervical Spine Injuries in Athletes. St. Thomas Hospital, Summa Health System's Second Annual Combined Sports Medicine Conference. Akron, Ohio, October 23, 1998.

Basic Science presentation, University Hospital, Cincinnati, Ohio, "The Intervertebral Disc", March 6, 1999.

PAPER PRESENTATIONS (continued)

60th Annual Meeting of the Ohio Orthopaedic Society in Dayton, OH, May 7, 1999. Presentation: "Targeting of the Intervertebral Disc Space – A Comparison of Techniques".

14th Annual Meeting for the North American Spine Society in Chicago, Illinois, October 20-23, 1999. Presentation: "Targeting of the Intervertebral Disc Space, A Comparison of Techniques".

Cervical Spine Research Society Meeting, Miami Beach, FL. December 5-7, 2002. Paper presented on "Revision Cervical Spine Surgery".

Revision Cervical Spine Surgery: Anterior vs Posterior, Anthony F. Guanciale, M.D. and Jeff Dodd, M.D. Research paper presented "Best Thesis Award" at the University of Cincinnati, May 4, 2002. Submitted for publication. (2002).

CONTINUING MEDICAL EDUCATION

3RD Annual "Controversies in Spine Surgery", July 16, 1993. (7 credit hours)

62nd Annual Academy Meeting, February 16-21, 1995, Orlando, FL. (30.5 credit hours)

Quality of Care Committee Mandates of House Bill 478: Overview of Work for the Quality of Care Committee. Ohio Department of Health, Columbus, Ohio. November 9, 1995.

Orthopaedic Grand Rounds, 1995-1996. (34 credit hours)

UC College of Law's 7th Annual Law and Medicine Conference, March 21, 1996. (4.5 credit Hours)

Hand Surgery Update, April 6, 1996, Bethesda Hospital. (2 credit hours)

NASS 10th Annual Meeting, October 18-21, 1996. (18.5 credit hours)

Cervical Spine Research Society Conference, November 29 through December 2, 1996. (16.5 credit hours)

Midas Rex Hands-On Workshop. (14 credit hours)

Innovative Applications for Image Guided Surgery, December 13-14, 1996. (15 credit hours)

Orthopaedic Grand Rounds, 1996/1997. (29 credit hours)

64th AAOS Annual Meeting, February 13-14, 1997. (29.5 credit hours)

Federation of Spine Associations, February 16, 1997, San Francisco, CA. (8 credit hours)

Advanced Theory and Techniques in Spinal Surgery, March 23-26, 1997. (13 credit hours)

KY Medical Insurance Company's 1997 Risk Management Seminar: "Anatomy of a Lawsuit", May 15, 1997. (2 credit hours)

Orthopaedic Grand Rounds, 1997/1998. (26 credit hours)

Hand Surgery Update, Bethesda Hospital, February 7, 1998. (2 credit hours)

Treatment of Osteonecrosis of Femoral, University of Cincinnati, College of Medicine, May 2, 1998. (1 credit hour)

CONTINUING MEDICAL EDUCATION (continued)

North American Spine Society, CPT Coding Update for Spine Care Professionals, Chicago, June 19, 1998. (5 credit hour)

Physician Leadership Program: Understanding Health Care Changes, January 7-March 4, 1999. (17.5 credit hours)

Fractures About Elbow in Children, University of Cincinnati, College of Medicine, January 16, 1999. (1 credit hour)

66th AAOS Annual Meeting in Anaheim, CA, February 4-8, 1999. (28.5 credit hours)

Federation of Spine Associations, Anaheim, CA, February 7, 1999. (7 credit hours)

Total Spine: Advanced Concepts and Constructs, March 11 through April 14, 1999. (16 credit hours)

Physician Leadership Program: Total Quality Care, March 18-May 21, 1999. (17.5 credit hours)

Orthopaedic Grand Rounds, University of Cincinnati, 1998/1999. (23 credit hours)

Ohio Orthopaedic Society Annual Meeting, Dayton, OH, May 6-8, 1999. (10 credit hours)

Open and Minimally Invasive Surgery of the Lumbar Spine, sponsored by Sofamor Danek, Memphis, Tennessee, May 13-14, 1999. (11 credit hours)

Cincinnati Orthopaedic Society Meeting, Cincinnati, Ohio, May 18, 1999.

North American Spine Society, 14th Annual Meeting, Chicago, IL, October 20-23, 1999.

Physician Leadership Program: Understanding, Navigating and Leading in the New Health Care Environment, Christ Hospital, October 21, through November 23, 1999. (10 credit hours)

Total Spine Conference, Cancun, Mexico, February 17 – 20, 2000. (19 credit hours)

ORATEC's "Techniques for Percutaneous Electrothermal Treatment of Discogenic Pain", March 24-25, 2000. Chicago, Illinois.

Grand Rounds, University of Cincinnati, 1999-00 (24 credit hours)

North American Spine Society 15th Annual Meeting, Oct 24-Oct. 28, 2000 in New Orleans. (18.25 hrs)

"Advances in the Treatment of Osteoporotic Vertebral Compression Fracture Management", 2 hours course taken at the NASS 15th Annual Meeting, October 28, 2000 in New Orleans.

"Innovations in Cage Technique – Restoration of Lordosis and Endplate Preservation", live surgical teleconference. January 6, 2001 at the Vantas Office Solutions Conference Center, Cincinnati, Ohio. Sponsored by Sofamor Danek.

Center for Orthopaedic Spinal Surgery, Los Angeles, CA. Performing a special case with Dr. Watkins and tour of NuVasive Spine Institute, January 24-27, 2001.

Total Spine: Advanced Concepts and Constructs", presented by Spinal Science Advancement Foundation. Cancun, Mexico, March 15-18, 2001.

CONTINUING MEDICAL EDUCATION (continued)

Mid-America Orthopaedic Association, nineteenth Annual Meeting, April 18-22, 2001, Amelia Island, Florida. (38 credit hours)

Orthopaedic Grand Rounds, University of Cincinnati. 2000-2001(15 credit hours)

College & High School Athlete Sports Medicine Conference. "Cervical Spine Management of Stingers, Spinal Stenosis and Neuropraxia". Presented at the Hilton of Greater Cincinnati at the Airport, July 21, 2001.

Eastern Think Tank sponsored by Medtronic, Sofamor Danek. Peer discussions and presentations on complex spine questions and procedures. July 25-29, 2001 at the Ritz-Carlton, Key Biscayne, Florida.

North American Spine Society Annual Meeting, October 31 – November 3rd, 2001. Seattle, Washington. (22.25 credit hours)

Medtronic Sofamor Danek VIP Visit. Viewing of product development, laboratory and new products. Memphis, Tennessee, April 25-26, 2002

Bio/Start Workshop held at the University of Cincinnati, Children's Hospital, April 30, 2002.

Ohio Orthopaedic Society 63rd Annual Meeting. Columbus, Ohio, May 9-11, 2002.

Advanced Spinal Techniques, Memphis, Tennessee. June 14-15, 2002.

Global Spine Conference, Maui, Hawaii. July 12-14, 2002. 13 credit hours

Kyphon Surgical Training Course, Cleveland Clinic Foundation, Cleveland, OH. September 20, 2002.

Academy of Medicine program, "Hot Topics in Medicine & Law". Cincinnati, OH. October 24, 2002.

Cervical Spine Research Society, Miami Beach, FL. December 5-7, 2002. (17 credit hours)

Surgical Management of Spinal Disorders, Beaver Creek, Colorado. January 18-21, 2003. (15.5 credit hours)

Spine Education Summit held in Vail, Colorado. March 9-12, 2003.

Mid-America Orthopaedic Association Annual Meeting. Hilton Head Island, South Carolina. April 23-April 27, 2003.

The Ohio Orthopaedic Society 64th Annual Meeting. Cincinnati, Ohio, May 8-10, 2003.

North American Spine Society Annual Meeting. October 21-25, 2003. San Diego, California. (31 credit hours)

16th Annual Disorders of the Spine, Whistler, Canada. Presentation as a Faculty member, "3 Degree Cervical Plate System" hands-on lab. January 17-23, 2004. (34.5 credit hours)

Academy of Medicine of Cincinnati, "Tort Reform-Cure or Band-Aid". Montgomery Inn Banquet Center, Cincinnati, OH, April 21, 2004. 2 credit hours.

North American Spine Society 19th Annual Meeting. Chicago, Illinois. October 26-30, 2004.

CONTINUING MEDICAL EDUCATION (continued)

Presentation at The Christ Hospital on, "When to Refer to a Surgeon: Streamline Treatment of Spine Ailments". October 30, 2004.

Procedural Sedation/Analgesia Provider Course. Review course for continuing medical education on procedural sedation for Mercy Health Partners. Taken September, 2004. 1 CME Credit

1st Annual Orthopaedic Surgery Oncology Review Course. University of Cincinnati College of Medicine on October 9, 2004.

"Back Pain: Multidisciplinary Treatment Options". Presentation to Primary Care Physicians and Chiropractors. The Christ Hospital, October 30, 2004. 5 CME Credits

Chairte Artificial Disc Training Course. The Center for Spine Arthroplasty at the Endo-Surgery Institute. November 30 and December 1, 2004.

Medical Educational Conference with DePuy Spine in Frankfort, Germany with Professor Jörgen Harms regarding the viewing of special surgeries and case special presentations. February 5 – 9, 2005.

Transforaminal Lumbar Interbody Fusion-Posterior Solutions Program with Medtronic Sofamor Danek in Memphis, Tennessee on March 18 – 19, 2005.

Professor/Advisor to First Year Medical Students at the University of Cincinnati in the College of Medicine. 12 CME Credits

North American Spine Society 20th Annual Meeting, September 27 – October 1, 2005, Philadelphia. CME Credits 29.25

North American Spine Society 20th Annual Meeting - Pre-Meeting Course: Coding Update 2006. September 26-27, 2005. CME Credits 16.

Lumbosacral Reconstruction in the Aging Spine Course, Philadelphia, September 29, 2005.

"Degenerative Spine Surgery". Presentation given for The Christ Hospital Symposium Course, November 5, 2005.

Aging Spine Focus Group Meeting presented by Medtronic Sofamor Danek. Memphis, Tennessee, November 14-15, 2005.

"Canine Spinal Ligament Study" Meeting presented by Medtronic Sofamor Danek. Salt Lake City, Utah, February 26-27, 2006.

North American Spine Society 21st Annual Meeting – "Lumbar Spinal Injections Course" Chicago, Illinois, March 3-4, 2006

American Academy Orthopaedic Surgeons (AAOS) Annual Meeting Chicago, Illinois March 22-26, 2006

North American Spine Society - Spine Across the Sea Meeting – Maui, Hawaii, July 23-27, 2006

Proscan Imaging MRI Education Foundation – "Practical Orthopaedic & Sports Medicine MRI: Interpretive Approaches with Clinical Correlation" Course, Cincinnati, Ohio, January 26-28, 2007

Medtronic conference – "Fundamental Principles & Techniques In Spinal Surgery" San Diego, California, February 2-3, 2007

CONTINUING MEDICAL EDUCATION (continued)

Conference – “Current Concepts- Emerging Technologies In Spine”, Vail, Colorado, February 18-21, 2007

COMMITTEES

Ohio Department of Health, Low Back Pain Quality of Care Advisory Committee, November 1995-December 1996

UCMA, Low Back Pain Protocol Task Force, February 1996-May 1999
Academy of Medicine of Cincinnati, Electronic Communications & Data Interchange (ECDI), 1998-1999

North American Spine Society, Member of the Scientific Committee to grade research papers and abstracts, 2001

Member, Neurosurgery Service Line Committee, 2001 – current time

Member, Alliance Partners Quality Improvement Committee, April 2001- current time

Moderator, Mid-America Orthopaedic Association for Annual Meetings, 2001

UC Evaluation Committee for Efficient & Cost-effective Medicine Student Papers, 2002

The Christ Hospital Spine Center of Excellence Steering Committee Representative August, 2004

ORGANIZATIONS

Academy of Medicine of Cincinnati
Alpha Omega Alpha Honor Medical Society
American Academy of Orthopaedic Surgeons
American Medical Association
Cincinnati Orthopaedic Club
Mid-America Orthopaedic Society
North American Spine Society
Ohio Orthopaedic Society
Ohio State Medical Association
World Spine Organization

ADDITIONAL DISTINCTIONS

Special Training in Spinal Endoscopy and Minimally Invasive Spine Surgery, Los Angeles, CA April 1995

Midas Rex Hands on Workshop, Chicago, IL, December 1995

The Stealth Station Hands on Workshop, Columbus, OH, October 1996

Future Challenges to Spine Surgery Symposium, New Orleans, Louisiana, September 1996)

PAWS Course in St. Louis on September 14 & 15, 1997

Director of Ethicon Course titled “Thoracic Telesurgery for Videoscopic Anterior Approaches for Thoracic and Lumbar Spine Surgery” on September 26 & 27, 1997

Faculty for The 2nd annual Combined Sports Medicine Conference at Summa Health System, Akron, Ohio, Friday, October 23, 1998

Recognition Certificate at the University of Cincinnati/Mercy Franciscan Department of Family Medicine Residency Program as a Teacher for the 1998/99 Academic Year

Panel for "Clinical Privileges for Percutaneous Vertebroplasty" University of Cincinnati, College of Medicine, November 30, 1999.

ADDITIONAL DISTINCTIONS (continued)

NetWellness Expert, Consumer Health Information Web Site. University of Cincinnati, College of Medicine, December, 1999 to present.

Featured Article in the Cincinnati Post. "Spinal Column Bent in Scoliosis". NetWellness Ask an Expert. Tuesday, December 28, 1999.

Presentation for the O.R. nurses on "Neuro Trauma Spinal Injury", University of Cincinnati, College of Medicine, May 30, 2000.

Featured Article in the Cincinnati Enquirer on, "Kyphoplasty Surgical Technique". Jan., 2003.

Editor and Originator of the Department of Orthopaedic Surgery Newsletter. 1996-current time.

Spine Fellowship – DePuy Spine, 2007.