

Spine Surgeon

**Specialization:**

Non-operative & Operative Management of Spinal Disorders
Minimally Invasive and Endoscopic Spine Surgery

Licensures:

Virginia Medical License - 1993 to present

Hospital Affiliations:

Reston Hospital Center, Reston, Virginia
Reston Hospital Center Department of Orthopedics
Reston Hospital Center Pharmacy Committee
Inova Fairfax Hospital, Falls Church, Virginia
Prince William Hospital, Manassas, Virginia

Military Service:

United States Air Force
Andrews AFB, D.C.
July 1992 - October 1995

Chairman Orthopaedic Surgery Department
Chief of Spine Surgery Service
Malcolm Grow Medical Center
Andrews AFB, Maryland/DC

Assistant Professor of Surgery
Uniformed Services Health Science University
Bethesda, Maryland

Education:

St. John's University, Bachelor of Science
Collegeville, Minnesota
1978-1982

Medical:

University of Minnesota Medical School
Duluth, Minnesota 1982-1986
Minneapolis, Minnesota 1984-1986

Residency:

Mount Carmel Mercy Hospital/Grace Hospital
Detroit, Michigan
Department of Orthopaedic Surgery
Orthopaedic Surgery
1986-1991

Fellowship:

William Beaumont Hospital
Royal Oak, Michigan
Spine Surgery
July 1991 - June 1992

Professional Associations:

Diplomat, American Board of Orthopaedic Surgery
Diplomat, American Board of Spine Surgery
Fellow, American College of Spine Surgery
Fellow, American College of Sports Medicine
Fellow, American Academy of Orthopaedic Surgeons
Society of Military Orthopaedic Surgeons
American College of Sports Medicine
The Medical Society of Virginia
The Southern Medical Association
The Fairfax Medical Society
SOLAS: Society for Lateral Access Surgery
SPINE: Society for Progress and Innovation in the Near East
ISIS: International Spinal Intervention Society
SMISS. Society for Minimally Invasive Spine Surgery

Accomplishments:

E.F. Burke, M.W. Hasz, R.M. Singer; "Internal Distraction Plate or Closed Comminuted Intra-articular Fractures of the Distal Radius" submitted for publication. Presented: International Hand Society Conference, Paris, France; April 1989. Detroit Orthopaedic Academy; Detroit, Michigan; May 1989; First Place Award, Resident papers.

M. W. Hasz, M. W., K.F. Krankovitch; "Slipped Femoral Capital Epiphysis Treatment Method Analysis", Presented: O. Caryle Brock Memorial Lecture, Shriners Hospital for Crippled Children; Erie, PA; October 1989.

Honorary Societies:

Alpha Omega Alpha Honor Medical Society
Phi Kappa Phi, University of Minnesota Chapter
Beta Gamma Sigma

Committee Memberships:

Medical Executive Committee, Reston Surgical Center, Reston, VA.
Pharmacy and Therapeutics Committee, Reston Hospital Center, Reston, VA.
International Spine Intervention Society Standards Committee.

Research / Publications:

M. W. Hasz. Direct Lateral Interbody Fusion Approach in the Treatment of a Patient Suffering from Degenerative Lumbar Scoliosis, Stenosis, Lumbar Radiculopathy, and Neurogenic Claudication. *Journal of The Spinal Research Foundation*, 5 (1): 55-56; 2010.

M. W. Hasz. Use of a Paravertebral Anesthetic Infusion System for Post-operative Pain Relief. *Journal of The Spinal Research Foundation*, 3(2): 45-46; 2008.

A. M. Reitsma, T. C. Schuler, M. W. Hasz, K. A. Poelstra. Surgical treatment of Symptomatic Bertolotti Syndrome on post-fusion patients. *Orthopedics*. 25(3): 340-342; 2002.

Jackson R. T., Schuler, T. C., Hasz, M. W., Friedlis, M., Reitsma, A. M. Diagnosis and Treatment of SI Joint Dysfunction: A Team Approach. The 3rd Disciplinary World Congress on Low Back and Pelvic Pain. Vienna, Austria November 12-15, 1998.

R. S. Wainner, M. W. Hasz. Management of Acute Calcific Tendinitis of the Shoulder. *JOSPT, Clinical Commentary* 27(3), March 1998.

M. W. Hasz. Sciatica: New Surgical Technology for patients with Ruptured Discs. *One Source*; Winter 1998.

Research Presentations / Lectures:

Lumbar MicroDiscectomy--Review of the Literature. Discectomy is still the standard of care. Society for Progress and innovations for the Near East (S.P.I.N.E.) Conference, Beirut, Lebanon, June 2010.

Cervical Radiculopathy. Anterior Cervical Discectomy and Fusion -- Review of the Literature and Treatment Options. Society for Progress and innovations for the Near East (S.P.I.N.E.) Conference, Beirut, Lebanon, June 2010.

Treatment of Isthmic Spondylolisthesis. Case Presentations and Discussion. Co-Presenter with Dr. John Kostuik. Society for Progress and innovations for the Near East (S.P.I.N.E.) Conference, Beirut, Lebanon, June 2010.

Minimally Invasive Surgery: Direct Lateral Interbody Fusion (DLIF), Spinal Research Foundation Education Day, Reston, Virginia, June 2010 Minimally Invasive Surgery: IntraDiscal ElectroThermal Therapy (IDET), Spinal Research Foundation Education Day, Reston, Virginia, June 2010.

Minimally Invasive Surgery: Endoscopic MicroDiscectomy, Spinal Research Foundation Education Day, Reston, Virginia, June 2010.

Nutrition and health: Omega-3 Fatty Acids: The role of Fish Oil, Spinal Research Foundation Education Day, Reston, Virginia, June 2010.

Vertebroplasty and Kyphoplasty: Minimally Invasive treatment for Osteoporotic Vertebral Compression Fractures, Spinal Research Foundation Education Day, Reston, Virginia, June 2010.

Reston Medical Center Surgical Grand Rounds. "Treatment options for Osteoporotic Vertebral Compression Fractures." Reston, VA December 2008

Course Director and Instructor: Intradiscal Electrothermal Therapy, Disc Decompression, and RF Facet Denervation course. Didactic and hands-on laboratory course. Pittsburgh, PA September 2006.

Virginia Association of Rehabilitative Professionals Conference "Minimally Invasive Spine Surgery", "IntraDiscal ElectroThermal (IDET) Procedure and Kyphoplasty", Reston, VA September 2006.

Faculty and Instructor. Satellite Training Center and Cadaver Lab. "Indications for Spine surgery", "Surgical Techniques for Minimally Invasive Spine Surgery and Fusion Surgery:", "The Role of Scrub Technicians and Surgical Nurses in the Operating Room Team", Hands-on training for surgical instrumentation and implants in the cadaveric model. Washington, DC June 2006

Host Surgeon, International Preceptorship for Spine Surgery Training and Techniques. Visiting Surgeon from Austria "lumbar surgery and fusion techniques", The role of Bone Morphogenic Protein in Spinal Surgery", Washington, DC May 2006.

Course Director and Instructor: Intradiscal Electrothermal Therapy, Disc Decompression, and RF Facet Denervation course. Didactic and hands-on laboratory course. Orlando FL April 2006.

Case Presentations for Alternatives to Bone Grafting, Current Concepts in Bone Grafting, New York, NY April 2006.

Course Director and Instructor: Intradiscal Electrothermal Therapy, Disc Decompression, and RF Facet Denervation Course. Didactic and hands-on laboratory course. New York City, NY October 2005.

IntraDiscal ElectroThermal (IDET) Procedure and Disc Decompression Course. Co-director. New York, New York. September 2005.

Needle placement and discography. Fluoroscopic imaging, indications, and technique. Including lab instruction. New York, New York. September 2005.

North American Spine Society. Advanced Spinal Surgery, Indications for Minimally Invasive Spinal Surgery. Rosemont, Illinois. March 2005.

Lumbar Spine Instrumentation and Fusion Design Meeting. Colorado. January 2005.

North American Spine Society. Minimally Invasive Spine Study Group. Chicago, Illinois. October 2004.

North American Spine Society. Allograft and Spine Fusion Substitution Study Group. Chairman. Chicago, Illinois. October 2004.

North American Spine Society. Prosthetic Disk Design and Outcome Study Group. Chicago, Illinois. October 2004.

Discography and needle placement, indications and laboratory course. Co-director. Hospital for Special Surgery. New York City, NY. October 2004.

Hospital for Special Surgery. Current evaluation and treatment option for back pain: exercise, IDET, surgery and the role of diagnostic studies in the evaluation of back pain. A hands-on cadaver course. Course co-director. New York City, NY. October 2004.

Rush Medical Center. Discography and needle placement, indications and laboratory course. Co-director. Chicago, Illinois. June 2004.

Rush Medical Center. Current evaluation and treatment option for back pain: exercise, IDET, surgery and the role of diagnostic studies in the evaluation of back pain. A hands-on cadaver course. Course co-director. Chicago, Illinois. June 2004.

North American Spine Society Minimally Invasive Spine Techniques: A Hands-on Course, "Metrix/ Sextant Techniques". Minimally Invasive Interbody fusion. Instructor Course. Saint Louis, Missouri. May 2004.

Louisiana State University. Current evaluation and treatment option for back pain: exercise, IDET, surgery and the role of diagnostic studies in the evaluation of back pain. A hands-on cadaver course. Course co-director. New Orleans. March 2004.

Louisiana State University. Discography and needle placement, indications and laboratory course. Co-director. New Orleans. March 2004.

Current evaluation and treatment option for back pain: exercise, IDET, surgery and the role of diagnostic studies in the evaluation of back pain. A hands-on cadaver course. Course co-director. Boston, MA. February 2004.

Current evaluation and treatment option for back pain: exercise, IDET, surgery and the role of diagnostic studies in the evaluation of back pain. A hands-on cadaver course. Course co-director. Orlando, FL. January 2004.

Discography and needle placement, indications and laboratory course. Co-director. Orlando, FL. January 2004.

Discography thermal annuloplasty, needle placement for diagnosis and treatment of discogenic pain. IDET and disc decompression course. University Anatomic Institute, Anatomisches Institute der Universitat Basel, Switzerland. June 2003.

Thermal treatment for discogenic back pain. Symposium and laboratory instruction. Course co-director. Louisiana State University, New Orleans. May 2003.

Discography and needle placement, indications and laboratory course. Co-director. Louisiana State University, New Orleans. May 2003.

Current evaluation and treatment options for back pain: exercise, IDET, surgery. Hands-on laboratory course. Co-director. University of Miami. May 2003.

Discography and needle placement. Fluoroscopic imaging, indications and technique, including lab instructions. University of Miami. May 2003.

Discography and needle placement: Fluoroscopic imaging, indications and technique, including lab instructions. Akron Ohio. March 2003.

Thermal treatment for discogenic low back pain. A hands-on course. Co-director. Akron Ohio. March 2003.

Discography and needle placement: indications and laboratory course. Co-director Barrow Neurological Institute, Phoenix. January 2003.

Thermal treatment for discogenic low back pain. A hands-on course. Barrow Neurological Institute, Phoenix. January 2003.

Current evaluation and treatment option for back pain: exercise, IDET, surgery and the role of diagnostic studies in the evaluation of back pain. A hands-on cadaver course. Course co-director. University of Maryland, Baltimore. September 2002.

Thermal treatment for discogenic back pain. Symposium and laboratory instruction. Course co-director. Louisiana State University, New Orleans. July 2002.

Visiting Professor: College des Medecins du Quebec, Institut de Physiatrie du Quebec, Montreal, Canada May 11, 2002.

Guest Lecturer: Treatment options for osteoporotic compression fractures of the spine “: Great Falls, VA. May 2002.

Course director: Thermal treatment for discogenic low back pain. A hands-on course. Stanford University. April 2002.

Needle placement and discography. Fluoroscopic imaging, indications, and technique. Including lab instruction. Stanford University. April 2002.

Guest Lecturer: “rhBMP-2 with Tapered Cages: A Prospective, Randomized Lumbar Fusion Study “: Medicare Regional Offices – New Technologies Presentation, Baltimore, MD. February 20, 2002.

“Bone Graft Options in the Lumbar Spine”: National Video conference Moderator, Baltimore, Maryland. February 2, 2002.

Albert Einstein School of Medicine, “Thermal treatment for discogenic low back pain. A hands-on course.” Bronx, New York: January 2002.

Grand Rounds: “rhBMP-2 with Tapered Cages; Bone Graft Options in the Lumbar Spine”: Orlando Regional Medical Center; Orlando, Florida January 2002.

“Osteoporosis: diagnosis, prevention and treatment. Current treatment options for treatment of osteoporosis compression fractures.” McLean, Virginia. Dec 2001.

Course instructor: Vertebroplasty: a treatment option for osteoporotic compression fractures of the spine. A hands-on course. University of Washington, Seattle, Nov 2001.

“Current evaluation and treatment options for Back pain: Exercise, IDET, Surgery: and the role of diagnostic studies in the evaluation of Back pain.” (Baltimore) Maryland. 2001.

“Allograft vs. Autograft: Alternatives based upon levels of fusion.” Eastern Region Think Tank, Key Biscayne, Florida, July 2001.

“Advances in thermal treatment for spinal disease.” “Discogenic back pain: results of thermal annuloplasty.” Panel presentation “Advances in Thermal Treatment in Orthopedic Surgery.” Virginia Orthopedic Society, Williamsburg, Virginia, 19 May 2001.

Stanford University. “IDET: Thermal treatment for discogenic back pain. Physician’s instructor course.” (AAOS) 5 Mar 2001, course co-director.

“Advances in Spinal Surgery and Rehabilitation,” Rehab at work, Alexandria Virginia, 12 June 2001. University of Maryland, “IDET: East Coast Region Physician’s instructor course.” Baltimore, Maryland, 9 June 2001. Course Co-Director.

“Low Back Pain: Diagnosis and treatment options. State of the art review for physicians.” Baltimore, Maryland, June 2001.

Texas Back Institute, “IDET Intradiscal electrothermal therapy workshop and physician instructor course.” Dallas Texas, 5 May 2001. Course co-director.

IDET: Thermal treatment for discogenic Low Back Pain. Workshop and hands-on physician needle placement course. AAOS Orthopedic Learning Center, Rosemont, IL, 21 April 2001. Course Co-director.

Cleveland Clinic Foundation. “IDET Intradiscal Electrothermal Therapy workshop for physicians.” Cleveland, Ohio; 24 Mar 2001, course co-director.

Discography and needle puncture course for physicians. Cleveland Clinic Foundation, March 2001. IDET: Thermal treatment for discogenic back pain: Physician instruction course. Orlando Florida, 24 Feb 2001 course director.

“Management of Osteoporotic Compression Fractures.” Fairfax County Medical Society, Fairfax, Virginia, February 2001.

M. W. Hasz, “IDET: One Year outcomes, efficacy, and safety review of Thermal annuloplasty for Discogenic Low Back Pain.” Reston Hospital Center, November 2001.

M. W. Hasz, “IDET: Thermal annuloplasty for Low Back Pain. Review and outcomes.” Virginia Orthopedic Society, Annual Meeting, May 2001.

T.C. Schuler, M.W. Hasz, P.D. Falkenstein, A.M. Reitsma. Surgical Treatment of symptomatic Bertolotti’s Syndrome in post-fusion patients. American Association of Neurological Surgeons 2001. Annual Meeting. Poster presentation, Toronto, Ontario, Canada, April 23-24, 2001.

Safety and Efficacy Review of Thermal Annuloplasty, Reston Hospital Center, Reston VA 2000.

M. W. Hasz, “IDET: clinical safety study of Thermal annuloplasty for Lumbar annular tears.” Reston Hospital Center, 2000.

Stanford University: “Physician instructor course for Thermal Annuloplasty, and Needle placement workshop.” Palo Alto, California; December 2000.

IDET: discography, needle puncture course and Thermal Annuloplasty. Course co-director. St. Louis Medical Society, Missouri, Nov 2000. (With Todd Whetzel M.D., University of Chicago)

Albert Einstein University, “Thermal treatment for discogenic low back pain. A hands-on physicians instructor course.” Bronx, New York: October 2000. Course Co-director.

“Osteoporosis and Vertebral Body Compression Fractures: Medical Management and a New Minimally Invasive Surgical Procedure.” Vienna, Virginia; September 2000.

Physician instructor course for IDET and thermal treatment for discogenic back pain. Dallas April/ May 2001.

IDET: Physician instructor course for evaluation and treatment of discogenic back pain. Chicago Orthopedic learning center AAOS Rosemont, Illinois.

University of Texas, Houston, “Thermal treatment for discogenic low back pain. Lecture and workshop.” Houston, Texas, August 2000.

International review of Discogenic Low Back Pain therapy options. Intradiscal Electrothermal Annuloplasty workshop and physician instructor Course.” Perth, Australia; July 2000.

“Advances in non-operative and operative spine care.” Tyson’s Corner Rotary, McLean Virginia; June 2000.

University of Maryland, “Thermal treatment for discogenic low back pain. Lecture and workshop for physicians.” Baltimore, Maryland, June 2000.

Barrows Neurological Institute, “ IDET: Thermal treatment for discogenic low back pain. Lecture and workshop for physicians.” Phoenix, Arizona; May 2000.

Virginia VaNarpss Conference for Rehabilitation Nurses, “Advances in Diagnosis and treatment options for Spinal Disorders.” Richmond, Virginia, May 2000.

Duke University, “Advances in Spinal Surgery. Lecture and workshop.” Thermal treatment for discogenic back pain. Vertebroplasty and Kyphoplasty for Osteoporotic compression fractures.” May 2000.

Harvard University, “Advances in the treatment of Discogenic Low Back Pain. Diagnosis and treatment. Lecture and workshop for Intradiscal electrothermal therapy.” Boston, Massachusetts; April 2000.

Harvard University, “Needle Puncture workshop—for discography and IDET.” Boston, Massachusetts; April 2000.

Featured Speaker, The 4th Annual management of Spinal Disorders Conference: Contemporary Care of Painful Neck and back Disorders, Wellmont Bristol Regional Medical Center, Bristol, TN April 2000.

The 4th Annual management of Spinal Disorders Conference: Contemporary Care of Painful Neck and back Disorders”, “Diagnosis and Treatment of Spinal Disorders”, “Thermal annuloplasty in the treatment of symptomatic lumbar annular tears”, “Treatment of Osteoporotic compression fractures of the spine”, “Advances in Pain management in the Chronic Pain patient,” “Spinal Deformity, non-surgical and surgical treatment options.” Wellmont Bristol Regional Medical Center, Bristol, Tennessee, April 2000.

Advances in COX-II medication options for inflammation and pain.” Great Falls, Virginia, April 2000.

AAOS Orthopedic Learning Center, “IDET: Physician instructor course for evaluation and treatment of discogenic back pain. Lecture and hands-on workshop for physicians.” Chicago Rosemont, Illinois. May 2000.

Consultant, Drug advisory meeting for the use of medications in the chronic pain patient. McLean, Virginia; April 2000.

Grand Rounds. “Common causes and treatment for Low Back Pain,” Physiotherapy Associates, Herndon, Virginia, March 2000.

AAOS Orthopedic Learning Center, “IDET: Physician instructor course for evaluation and treatment of discogenic back pain. Lecture and hands-on workshop for physicians.” Chicago Rosemont, Illinois. March 2000.

Celebration Hospital Grand Rounds: “IDET: Intradiscal Electrothermal Annuloplasty workshop and Physician instructor course.” Orlando, Florida; February 2000. Course Co-director.

In-service Training Conference, U.S. Department of Labor, Employment Standards Administration, Office of Worker’s Compensation Programs, National Operations Office, “The latest treatments for Spinal Injuries,” Washington, D.C., February 2000.

Albert Einstein School of Medicine. “IDET: Intradiscal Electrothermal Annuloplasty workshop and Physician instructor course.” Bronx, New York, February 2000. Course Co-director.

Virginia Spine Institute, “New Approaches in Spinal Care,” Reston, Virginia; February 2000.

Stanford University: “Physician instructor course for Thermal Annuloplasty, and Needle placement workshop.” Palo Alto, California; February 2000.

Cleveland Clinic, “IDET: Intradiscal Electrothermal Annuloplasty workshop and Physician instructor course.” Cleveland, Ohio; January 2000.

University of New Jersey Medical School, “IDET: Intradiscal Electrothermal Annuloplasty workshop and Physician instructor course.” Newark, New Jersey; December 1999.

Consultant, Texas Medical Research Center. Knowledge Enterprises, Chagrin Falls, Ohio; December 1999.

Stanford University, “IDET: Intradiscal Electrothermal Annuloplasty workshop and Physician instructor course.” Palo Alto, California, November 1999.

Medical Education Research Institute, “IDET: Intradiscal Electrothermal Annuloplasty workshop and physician instructor course.” Memphis; October 1999.

“Differential Diagnosis and treatment options for Spinal Disorders,” Corporate Training Seminar, Visiting Surgeon Program, Medtronic Sofamor Danek, Memphis, Oct 1999.

Providence Medical Center. "IDET: Intradiscal Electrothermal Annuloplasty workshop and Physician instructor course." Detroit (Southfield), Michigan; September 1999. Course co-director.

New England Baptist Bone and Joint Institute, "Intradiscal Electrothermal (IDET) Therapy Workshop." Boston, Massachusetts; August 1999.

Virginia Academy of Physician Assistants 17th Annual CME Conference, "Evaluation and Treatment of Back Pain." Virginia Beach, Virginia; August 1999.

Stanford University: "Physician instructor course for Thermal Annuloplasty, and Needle placement workshop." Palo Alto, California; July 1999.

The Waterford Ambulatory Care Center, Course Instructor, "Intradiscal Electrothermal Therapy Workshop." Detroit, Michigan; June 1999.

Doctors Insurance Reciprocal, "Physicians in Office Practice: Are You Ready For Y2000?" Fairfax, Virginia; May 1999.

Conference, "Common Diagnosis for Lower Back Pain in Primary Care." Williamsburg, Virginia; March 1999.

The Virginia Council of Nurse Practitioners Annual Grand Rounds, Internal Medicine Presentation, "SpineCATH Intradiscal Electrothermal Therapy." Reston, Virginia; March 1999.

Multi-center study: rBMP and Threaded Cortical Dowel study, 1998 to present.

R. T. Jackson, T. C. Schuler, M. W. Hasz, M. Friedlis, A. M. Reitsma. Diagnosis and treatment of SI-Joint dysfunction: a team approach. The 3rd Interdisciplinary World Congress on Low Back and Pelvic Pain. Vienna, Austria, November 12-15, 1998.

"Physicians Pain Management Speakers' Training Program," Dallas, Texas; October 1998.

Grand Rounds Shenandoah Hospital, "Advances in Non-Operative and Operative Spinal Care." Shenandoah, Virginia; June 1998.

Falcons Landing, "Common Spinal Disorders". Sterling, Virginia; June 1998.

Purdue Pharmaceuticals, "Post-Op Pain Management Training Seminar". Crystal City, Virginia; June 1998.

Shenandoah Memorial Hospital, "Low back pain: Non-operative and Operative Interventions." River'd Inn, Woodstock, Virginia; June 1998.

Virginia Association of Orthopaedic Technologists, "Modern Spinal Care". Herndon, Virginia; March 1998.

Prince William Hospital Grand Rounds, "Advances in Spinal Surgery"; Manassas, Virginia; March 1997.

Prince William Hospital Physical Therapy Department Grand Rounds, “Advances in Spine Therapy”; Manassas, Virginia; November 1996.

Harvard Medical School, Preceptorship in Spinal Care; August 1996.

Fairfax Hospital Medical Grand Rounds, “The Non operative and Operative Management of Spinal Disorders”, June 1996.

David M. Montgomery, Michael W. Hasz. “Postural Reduction of Spondylolisthesis on the Operating Room Table.” The Michigan Orthopaedic Society 1992 Annual Meeting.

Lawrence Kurz, Michael W. Hasz. “The Immediate Mechanical Stability of Autologous Bone Grafts for Thoracic Spine Fusions.” Poster presentation. The Michigan Orthopaedic Society 1992 Annual Meeting. Also presented at: Fifth Annual Alumni-Resident Meeting, Department of Orthopaedic Surgery, William Beaumont Hospital, Royal Oak, Michigan, June 1992.

Medical In Service Training for Attorneys, Malcolm Grow Medical Center, “Spinal Anatomy, Introduction to Spinal Disorders for Attorneys; 1994, 1993, 1992.

U.S. Air Force, Malcolm Grow Medical Center Grand Rounds, “Evaluation and Treatment of Low Back Pain”; October 1992