

CURRICULUM VITAE - Timothy A. Garvey, MD

Personal Data

Office Address: Twin Cities Spine Center, 913 E. 26th Street, Piper Building Suite 600,
Minneapolis, Minnesota 55404

Phone: (612) 775-6200

Birthdate August 14, 1958

Birthplace Scranton, Pennsylvania

Educational Background

1976 - 1980 University of Pennsylvania
Philadelphia, Pennsylvania
B.S., Physical Therapy
Honors: Magna Cum Laude
Wesley G. Hutchinson Class of 1980 Award

1980 - 1984 Temple University Medical School
Philadelphia, Pennsylvania (M.D.)
Honors: Alpha Omega Alpha

Post-Doctoral Education

1984 - 1985 General Surgical Internship
George Washington University
Washington, D.C.

1985 - 1989 Orthopaedic Surgery Residency
George Washington University
Washington, D.C.

1989 - 1990 Orthopaedic Spine Fellow
Jackson Memorial Hospital, University of Miami
Miami, Florida

Licensure and Certification

American Board of Orthopaedic Surgery
Minnesota
Pennsylvania Physical Therapy

Academic Appointments

2006-2009 Adjunct Associate Professor - University of Minnesota
2002-2006 Associate Professor - University of Minnesota
1990-2002 Assistant Professor - University of Minnesota

Staff Positions

1990 Medical Director, Low Back Center
Assistant Professor University of Minnesota Department of Orthopaedic Surgery
Minneapolis, Minnesota

1990 Assistant Professor
Twin Cities Spine Center, Abbott Northwestern Hospital Minneapolis, Minnesota

1990 Consulting Staff
Veterans Administration Medical Center
Minneapolis, Minnesota

1999 Vice Chair, Department of Orthopaedics
Abbott Northwestern Hospital
Minneapolis, Minnesota

Society Memberships

American Academy of Orthopaedic Surgeons
American Board of Orthopaedic Surgeons
American Medical Association
Alpha Omega Alpha
Cervical Spine Research Society
Hennepin County Medical Society
Minnesota Orthopaedic Society
Minnesota Medical Association
North American Spine Society
Scoliosis Research Society Active Fellow
Twin Cities Orthopaedic Society

Committees

2000 - 2003 Board of Directors
Functional Insulin Treatment (FIT) USA
Non Profit Organization
St. Louis Park, Minnesota

2000 - 2001 Vice Chairman
Abbott Northwestern Hospital
Orthopaedic Department Committee
Minneapolis, Minnesota

- 2002 - 2003 Chairman
Abbott Northwestern Hospital
Orthopaedic Department Committee
Minneapolis, Minnesota
- 2002 Vice Chair
Abbott Northwestern Hospital
Operating Room Committee
Minneapolis, Minnesota
- 2002 Member
Abbott Northwestern Hospital
Medical Board
Minneapolis, Minnesota
- 2003 Medical Advisory Board
Functional Insulin Treatment (FIT) USA
Non Profit Organization
St. Louis Park, Minnesota
- 2003 Board of Directors
Juvenile Diabetic Research Foundation International (JDRFI)

Presentations

- 2015 Garvey TA: "How Does Bariatric Surgery Impact the Self-Perceived Outcome of Elective Spinal Surgery?" Cervical Spine Research Society - European Section. London, UK, May 27-28, 2015.
- Garvey TA: "Chronic Myelopathy with Inadequate Surgical Decompression: Critical Decision Making" Cervical Spine Research Society - Instructional Course. San Diego, CA, December 2, 2015.
- 2014 Garvey TA: "Cervical Spinal Myelopathy, Asymptomatic Stenosis." 9th International Course of Spine Reconstruction Surgery, Columbian Society of Orthopedic and Traumatology Surgery, Cartagena, Colombia, January 30-February 1, 2014.
- Garvey TA: Faculty. 9th International Course of Spine Reconstruction Surgery, Columbian Society of Orthopedic and Traumatology Surgery, Cartagena, Colombia, January 30-February 1, 2014.
- Garvey TA: Faculty. Spinal Pelvic Realignment in the Adult Patient, Medtronic Catalyst, Orlando, FL, February 21-22, 2014.
- Garvey TA: Moderator, Session #11 Intervertebral Disc. Lumbar Spine Research Society. Chicago, IL, May 1-2, 2014.

- Garvey TA: "Cervical Spondylitic Myelopathy: Diagnosis and Indications for Surgery." Cervical Spine Research Society. Orlando, FL, December 3-6, 2014.
- 2013 Garvey TA: Moderator, Session #7 Biologics. Lumbar Spine Research Society. Chicago, IL, April 11-12, 2013.
- 2012 Garvey TA: The 5th CSRS Hands-On Cadaver Course, Cervical Spine Decompression and Stabilization Techniques. Faculty member. St. Louis, MO, February 16-18, 2012.
- Garvey TA: "Is It My Spine or Is It My Hip?" Allina Health & Arthritis Foundation Outreach Event. Minneapolis, Minnesota, November 13, 2012.
- Garvey TA: "Disc Arthroplasty." Cervical Spine Research Society. Chicago, IL, December 5, 2012.
- 2011 Garvey TA: "Pedicule Screw Fixation." The 4th CSRS Hands-On Cadaver Course, Cervical Spine Decompression and Stabilization Techniques. St. Louis, MO, January 27-29, 2011.
- Reto J, Garvey TA, Winter RB, Wroblewski J (MS): "Correlation of a Patient Satisfaction Questionnaire With Standard Outcome Instruments for Lumbar Spine Surgery: An Analysis of 1037 Patients." Lumbar Spine Research Society. Chicago, IL, May 5-6, 2011.
- Norris RS, Winter RB, Garvey TA: "Why do Patients with Degenerative Scoliosis Choose to See a Spine Surgeon?" Lumbar Spine Research Society. Chicago, IL, May 5-6, 2011.
- Garvey TA: Moderator, Session #11 Patient Evaluations. Lumbar Spine Research Society. Chicago, IL, May 5-6, 2011.
- 2010 Garvey TA: "FUSION 2010: Why is a Fusion Procedure Still Relevant? How Does it Impact your Patient?" Spine 2010 Symposium, Minneapolis, Minnesota, April 16, 2010.
- Garvey TA: Synthes Spine Residents and Fellows Forum, Lumbar Disc Degeneration. Forum Faculty. Minneapolis, MN, April 17-18, 2010.
- Garvey TA: The 3rd CSRS Hands-On Cadaver Course, Cervical Spine Decompression and Stabilization Techniques. Faculty member. St. Louis, MO, January 28-30, 2010.
- 2009 Hsu B, Mehbod AA, Transfeldt EE, Garvey TA, Perra JH, Schwender JD, Pinto MR, Dykes DC, Denis F, Lonstein JE, Winter RB: "Thoracic Pedicle Subtraction vs. Smith-Petersen Osteotomies for Correction of Sagittal Plane Deformity: A Case-Matched Series." SRS 44th Annual Meeting, San Antonio, Texas, September 23-26, 2009. IMAST, Vienna, Austria, July 14-19, 2009.

Garvey TA: "Pseudoarthrosis Dx and Repair (L): Radiographic DX, Advantages/Disadvantages of Treating Anterior vs Posterior." The 2nd CSRS Hands-On Cadaver Course: Cervical Spine Decompression and Stabilization Techniques, January 29-31, 2009, St. Louis, MO.

2008 Schwender JD; Rovner JS; Mullaney KJ; Pinto MR; Garvey TA: "A Comparison of Infection Rates in Minimally Invasive vs Open TLIFS - A Single Surgeon Retro Review". Presented at NASS, 23rd Annual Meeting, Toronto, Canada, October 14-18, 2008.

Schwender JD; Rovner JS; Mullaney KJ; Pinto MR; Garvey TA: "A Comparison of Infection Rates in Minimally Invasive vs Open TLIFS - A Single Surgeon Retro Review". Presented at IMAST, 15th Annual Meeting, Hong Kong, July 8-11, 2008.

Garvey TA: "Fixation Principles C7-T3." The 1st CSRS Hands-On Cadaver Course: Cervical Spine Decompression and Stabilization Techniques, January 29-31, 2008, St. Louis, MO.

2007 Sokolowski MJ, Garvey TA, Perl J 2nd, Mehbod AA, Akesen B, Sokolowski MS, Transfeldt EE: "Prospective Study of Post-operative Lumbar Epidural Hematoma: Does Size Really Matter?" Minnesota Orthopaedic Society, May 11, 2007, Minneapolis, MN.

2005 Garvey TA: "Radiology Testing/Ordering". Presented at Spine & Spine Rehabilitation: A Closer Look, An Orthopaedic Conference for Primary Care Practitioners, April 15, 2005, Minneapolis, MN.

2004 Garvey TA: "Informed Consent for Circumferential Surgery". Presented at The Ninth Instructional Course, Cervical Spine Research Society, December 12, 2004, Boston, MA.

Phipps MJ, Garvey TA, Schwender JD, Perra JH, Transfeldt EE, Denis F, Wroblewski JM (MS): "Cervical Degeneration, Neck Pain and Functional Disability Outcomes after Long Fusion to the Sacrum: Long-term Follow-up". Presented at the Cervical Spine Research Society, December 2004, Boston, MA.

Transfeldt EE, Kiter E, Garvey TA, Mehbod AA, Pinto MR: "Posterior Augmentation of Anterior Lumbar Interbody Fusion Comparison of Facet and Pedicle Screw Fixation". Presented at the North American Spine Society, October 27-30, 2004, Chicago, IL.

Garvey TA, Ogilvie JA, Transfeldt EE, Wood KB: "Night-time Bending Brace vs. a TLSO in the Treatment of Adolescent Idiopathic Scoliosis: an IRB Prospective Randomized Trial". Presented at the Scoliosis Research Society, September 6-9, 2004, Buenos Aires, Argentina.

Mehbod AA, Kiter E, Transfeldt EE, Garvey TA, Pinto MR: "Prospective Study

of Anterior Lumbar Interbody Fusion Augmentation with Posterior Pedicle Screws or Translaminar Facet Screws". Presented at the Scoliosis Research Society, 39th Annual Meeting, September 6-9, 2004, Buenos Aires, Argentina.

Goldsmith M, Ogilvie J, Denis F, Schwender J, Lonstein J, Garvey T, Perra J, Transfeldt E, Wood K, Wroblewski J: "Natural History of Adolescent Idiopathic Scoliosis of 30 to 50 Degrees at Skeletal Maturity at Average 19+6 Year Follow-up". Presented at the Minnesota Orthopaedic Society, Twentieth Annual Meeting, May 13, 2004, Minneapolis, Minnesota.

Garvey TA: "The Surgical Management of Paralytic Scoliosis". Presented at the Federation of Spine Associations (FOSA), March 13, 2004, San Francisco, California.

2003 MacDougall J, Perra JH, Pinto MR, Schwender JD, Transfeldt EE, Denis F, Garvey TA, Ogilvie JW, Wroblewski J: "Incidence of Adjacent Segment Degeneration at Ten Years After Lumbar Spine Fusion". Presented at Cervical Spine Research Society, October 20-22, 2003, San Diego, California.

Mehbod A, Garvey TA, Gilbert T, Wood KB, Denis F, Perra JH, Schwender JD: "Prospective Assessment of Cervical Fusion Status: Flexion-extension Radiographs vs. CT Scans". Presented at Cervical Spine Research Society, October 20-22, 2003, San Diego, California.

Mehbod AA, Beaubien BP, Kallemeir PM, Lew WD, Perra JH, Transfeldt EE, Garvey TA, Buttermann GR, Wood KB: "Posterior Augmentation of Anterior Lumbar Interbody Fusion: Minimal Fixation versus Pedicle Screws". Presented at Minnesota Orthopaedic Society and American Academy of Orthopaedic Surgeons, 2003.

2002 Garvey TA: "Pro-Discography", CSRS Instructional Course: Debate: Is there a role for Cervical Discography?. Presented at CSRS, December 5-7, 2002, Miami Beach, Florida.

Weistroffer JK, Perra JH, Lonstein JE, Schwender JD, Garvey TA, Transfeldt EE, Ogilvie JW, Wroblewski JM: "Pseudarthrosis and Instrumentation Complications at Long-Term Follow-up of Long Fusions to Sacrum". Scoliosis Research Society, September 18-21, 2002, Seattle, Washington.

Garvey TA: "Cervical Discography". 2002 SRS Traveling Fellows, September 11, 2002, Minneapolis, Minnesota.

Garvey TA: "What's New in Spine Surgery", and "Examination of the Lumbar Spine". 5th Annual Spring Sports Medicine Conference, June 6-7, 2002, Bloomington, Minnesota.

Mehbod A, Garvey TA, Perra JH, Wood KB, Schwender JD, Transfeldt EE,

- Wroblewski J: "Spondylotic Disease of Cervical Spine Involving Three or More Levels: Addition of Posterior Approach Increase Fusion Rates, But is it Required?" Minnesota Orthopaedic Society, May 17, 2002, Minneapolis, Minnesota.
- 2001 Choma TJ, Denis F, Lonstein JE, Perra JH, Schwender JD, Transfeldt EE, Wood KB, Garvey TA: "Plain Radiographic Assessment of Pedicle Screw Placement: A Comparison with Computed Tomography". IMAST, July 2001, Paradise Island, Bahamas.
- Garvey TA. "Paradigm Shift – 10 Years After Training. You Can Operate on Neck Pain, You Don't Have to Operate on Burst Fractures in Neurologically Intact Patients". George Washington Alumni Association, May 2001, Washington DC.
- Jhanjee R, Wood KB, Buttermann G, Garvey TA, Kane R, Sechrest V, Mehbod A. "Operative Vs. Nonoperative Treatment of Thoracolumbar Burst Fractures Without Neurological Deficit: A Randomized, Prospective Study".. American Academy of Orthopaedic Surgeons, March 2001, San Francisco, California.
- Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; February, 2001, "Back Pain".
- Garvey TA. "Cervical Dysfunction with Emphasis on Upper Cervical". Advanced Topics in TMD & Orofacial Pain, Fairview-University Academic Health Center, January 24, 2001; Minneapolis, Minnesota.
- 2000 Garvey TA. Instructional Course Lecture, Debate "Cervical Discography: Pro". 28th Annual Cervical Spine Research Society Meeting, November 30 – December 2, 2000, Charleston, South Carolina.
- Jhanjee R., Wood KB., Buttermann G., Garvey TA., Kane R., Sechrest V., Mehbod A. "Operative Vs. Nonoperative Treatment of Thoracolumbar Burst Fractures Without Neurological Deficit: A Randomized, Prospective Study". (Hibbs Award) Presented at the 35th Annual Scoliosis Research Society Meeting, Oct. 18-21, 2000, Cairns, Australia.
- Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; 2000, "Back Pain".
- 1999 Garvey TA., Transfeldt EE., Malcolm JR., Kos PB: "ACDF for Neck Pain: Clinical Outcomes Study". Presented at 27th Annual Cervical Spine Research Society Meeting, December 16-18, 1999, Seattle, WA.
- Long JA., Perra JH., Garvey TA., Transfeldt EE., Smith MD: "Expansive Cervical Laminoplasty: Follow-up Evaluation of Residual Flexibility, Pain, and Outcome". Presented at 27th Annual Cervical Spine Research Society Meeting, December 16-18, 1999, Seattle, WA.

Escobar-Medina, E., Transfeldt EE., Garvey TA., Ogilvie JW., Schultz L., Graber J: "Video Assigned Versus Open Anterior Lumbar Spine Surgery: A Comparison of Technique and Complications". Presented at the 66th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 4-8, 1999, Anaheim, CA.

Wood KB., Schellhas KP., Garvey TA., Aeppli D: "Thoracic Discography in Normal Subjects". Presented at the 66th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 4-8, 1999, Anaheim, CA.

Escobar-Medina, E., Garvey TA., Transfeldt EE., Smith MD., Winter RB: "Craniovertebral Deformity - Instability in Ankylosing Spondylitis". Poster presented at the 66th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 4-8, 1999, Anaheim, CA.

Lecture for Graduate Dental Students, University Dental School; January 1999. "Cervical Spine Patho-physiology, Anatomy and Temporomandibular Joint Disorder".

Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; 1999, "Back Pain".

Concepts of Interbody Fusion Symposium, Hennepin County Learning Center, 1999.

1998 Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; October 6, 1998, "Low Back Pain".

Garvey, T.A.: "Patient Perceived Outcomes of Cervical Anterior Discectomy & Fusion for those with Dominant Mechanical Neck Pain." Presented MOS; May 9, 1998—Minneapolis Convention Center

Garvey TA: "Anatomy of the Cervical Spine" and "Pathomechanics of Cervical Spine Injuries in Athletes", Presented at 1998 Minnesota Athletic Trainers' Association Annual Symposium, May 2, 1998.

Minnesota Athletic Trainers Association Annual Symposium, May 1-2, 1998. Anatomy of the Cervical Spine and Pathomechanics of Cervical Spine Injuries in Athletes.

Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; January 26, 1998, "Low Back Pain".

Wood KB., Shellhas KP., Garvey TA., Aeppli D: "Thoracic Discography in Asymptomatic Individuals: A Controlled Prospective Study". Presented at the 33rd Annual Scoliosis Research Society, 1998, New York, NY.

Escobar E., Transfeldt EE., Ogilvie JW., Garvey TA., Schultz L., Graber J.:

- “Complications of Video-Assisted Versus Open Anterior Lumbar Spine Surgery.” Presented at the 33rd Scoliosis Research Society, 1998, New York, NY.
- 1997 Continuing Medical Education: Internal Medicine Review. Presenter, “Management of Low Back Pain”, Minneapolis, MN; October 8-10, 1997.
- Continuing Medical Education: Internal Medicine Review. Presenter, “Management of Low Back Pain”, Minneapolis, MN; October 8-10, 1997.
- Payne III WK., Rockwood T., Transfeldt EE., Ogilvie J., Garvey T., Kane R.: “A New Health Status Instrumentation for Childhood Spinal Deformities”. Presented at the Scoliosis Research Society, September 25-27, 1997, St. Louis, MO.
- Dain-Bosworth Annual Health Care Conference for Institutional Investors. Interactive Lecture regarding Spinal Instrumentation. University of Minnesota, Minneapolis, MN; September, 9, 1997.
- Montella, B., Garvey, TA., Wood, KB., Transfeldt, EE., Heithoff, KB., Mullin, WJ.: “Patient Perceived Outcome Following Instrumented Posterolateral Spinal Fusion With and Without Cancellous Posterior Lumbar Interbody Fusion for Dominant Mechanical Low Back Pain”. Presented at the North American Spine Society Meeting, October 1997, New York, NY.
- Conference Participant/Workshop Presenter. Minnesota Business for Health Care Market Reform: “Creating a Health Care System That Works”. June 16-17, 1997; Minneapolis, MN.
- 1996 Wood, K., Garvey, TA., Gundry, C., Heithoff, K.: “Thoracic MRI Evaluation of Asymptomatic Individuals”. Presented at the Annual Meeting of the Cervical Spine Research Society, December 1996, Palm Beach, FL.
- Malcolm JR., Transfeldt EE., Payne W., Garvey TA., Schultz L.: “Endoscopic Surgery for Anterior Lumbar Decompression and Fusion Procedures via Retroperitoneal Approach”. Presented at Scoliosis Research Society, September 25-28, 1996, Ottawa, Ontario Canada.
- The Spine. Presented at Sports & Orthopedic Physical Therapy, Inc., April 1996; Minneapolis, MN.
- Blair, J., Garvey, TA., Wood, K., Schendel, M.: “The Natural History of Asymptomatic Thoracic Disc Herniations”. Presented at the 63rd Annual Meeting of the American Academy of Orthopaedic Surgeons, February 1996, Atlanta, GA.
- 1995 Common Problems of the Low Back. Presented at Har Mar Chalk Talks, September 1995; Roseville, MN.
- Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; May 9, 1995, "Fitness for Seniors".

Avoiding Occupational Pain, Cervical Radiculopathy and Myelopathy. Presented at University of Minnesota Continuing Dental Education, March 1995; Minneapolis, MN.

Garvey, TA., Buttermann, G., Hunt, A., Ogilvie, J., Transfeldt, E., Bradford, D., Boachie-Adjei, O.: "Lumbar Fusion Results to Diagnosis". Presented at the 62nd Annual Meeting of the American Academy of Orthopaedic Surgeons, February 1995, Orlando, FL.

Orthopaedic Coordinator for Clinical Correlation, Medical School Curriculum, First Year Medical Students; 1995 to present.

Lectures for Internal Medicine Faculty, University of Minnesota; 1995-1997. "Grand Rounds", "Low Back Pain and Acute Sciatica", "Cervical Radiculopathy and Myelopathy", "Management of Low Back Pain".

Lectures for OT/PT Students, University of Minnesota; 1995-1997. "Rational Surgical Decision Making in Lumbar Disc Herniations".

1994

Garvey, TA., Buttermann, G., Hunt, A., Ogilvie, J., Transfeldt, E., Bradford, D., Boachie-Adjei, O.: "Lumbar Fusion Results Related to Diagnosis". Presented at North American Spine Society Meeting, October 1994, Minneapolis, MN.

Wood, K., Garvey, TA., Gundry, C., Heithoff, K.: "Thoracic MRI Evaluation of Asymptomatic Individuals". Presented at 29th Annual Meeting of the Scoliosis Research Society, September 1994, Portland, OR. John H. Moe Exhibit Award.

Pedicle Screw Fixation of the Lumbar Spine Conference, Fairfax Hospital, Falls Church, VA; May 1994.

Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; April 12, 1994, "Work & Your Health".

Dekutoski, M., Garvey, TA., Ogilvie, JW., Transfeldt, E., Cohen, M.: "Residual Lateral Recess and Foraminal Stenosis: An Etiology of Failed Lumbar Surgery". Presented at the Annual Meeting of the American Academy of Orthopaedic Surgeons. February 1994, New Orleans, LA.

Wood, K., Garvey, TA., Gundry, C., Heithoff, K.: "Thoracic MRI Evaluation of Asymptomatic Individuals". Presented at AAOS Annual Meeting, February 1994, New Orleans, LA.

Wood, K., Garvey, TA., Gundry, C., Heithoff, K.: "Thoracic MRI Evaluation of Asymptomatic Individuals". Presented at AAOS Specialty Day, to Federation of Spine Surgery, February 1994, New Orleans, LA.

1993

Olsewski, J., Garvey, TA., Schendel, M.: "Biomechanical Analysis of Facet and Graft Loading in a Smith-Robinson Type Cervical Spine Model". Presented at Annual Meeting of Cervical Spine Research Society, December 1993, New York, NY.

Garvey, T: Televised Discussions for "Health Talk and You", live broadcasts, Minneapolis, MN; November 23, 1993, "Back Pain".

Family Practice Update: A Rational Operative and Non-Operative Approach to Lumbar Disc Herniations. November 4, 1993; Aberdeen, SD.

Lectures presented at SSAF Spinal Update for Orthopaedic and Neurosurgeons; Course Director.

Topics Covered: "Rational Surgical Decision Making", "Human Anatomy", "Thoracolumbar Fractures", "Infections and Tumors of the Spine". Minneapolis, MN; October 8-9, 1993.

Wood, K., Garvey, TA., Gundry, C., Heithoff, K.: "Thoracic MRI Evaluation of Asymptomatic Individuals". Presented at North American Spine Society, October 1993, San Diego, CA.

Garvey, TA., Cohen, M.: "Post-operative Epidural Analgesia in Major Spinal Reconstructive Surgery". Presented at North American Spine Society, October 1993, San Diego, CA.

Garvey, TA., Cohen, M.: "Post-operative Epidural Analgesia in Major Spinal Reconstructive Surgery". Poster presentation at North American Spine Society, October 1993, San Diego, CA.

University of Minnesota Athletic Trainers Course, Spine Update; June 1993.

Garvey, TA., Cohen, M.: "Post-operative Epidural Analgesia in Major Spinal Reconstructive Surgery". Presented at Minnesota Orthopaedic Society Annual Meeting, May 7, 1993.

Lectures presented at "Comprehensive Approach to Spinal Surgery" course, Abu Dhabi, United Arab Emirates, April 20-26, 1993. "Posterior Approach Reduction, Fusion and Instrumentation: Results of Treatment for Thoracolumbar Fracture", "Posterior Fusion and Instrumentation with Steffee Plate or ISOLA: Indications and Techniques", "Adult Scoliosis", "Rational Surgical Decision Making in Lumbar Disc Herniations for Adult Scoliosis: Indications, Principles of Technique and Results".

Garvey, TA. : "Post-operative Epidural Analgesia in Major Spinal Reconstructive Surgery". Presented at annual meeting of Mid-America Orthopaedic Society, April 1993; Hilton Head, SC.

Dekutoski, M., Garvey, TA., Ogilvie, JW., Transfeldt, E., Cohen, M.: "Residual Lateral Recess and Foraminal Stenosis: An Etiology of Failed Lumbar Surgery". Presented at annual meeting of Mid-America Orthopaedic Society; April 1993, Hilton Head, SC.

Garvey, TA., Roberti, L., and Eismont, F.: "Anterior Decompression and Plate Stabilization for Cervical Fractures and Dislocations with Posterior Disruption". Presented at AAOS Specialty Day, to Federation of Spine Surgery, February 21, 1993, San Francisco, CA.

1992 Low Back Pain. Presented at the Kiwanis Club, Minneapolis, MN; December, 1992.

Lectures presented at Northwestern Chiropractic College Conference: Comprehensive Spinal Update. November 7-8, 1992; Bloomington, MN. "Cervical Radiculopathy", "Degenerative Lumbar Spine", "Rational Surgical Decision Making in Lumbar Disc Herniations", "Infections and Tumors of the Spine".

Lectures presented at SSAF Spinal Update for Orthopaedic and Neurosurgeons; Course Director. Topics Covered: "Rational Surgical Decision Making", "Human Anatomy", "Thoracolumbar Fractures", "Infections and Tumors of the Spine". Minneapolis, MN; August 12-22, 1992.

Lectures presented at SSAF Spinal Update for Orthopaedic and Neurosurgeons; Course Director. Topics Covered: "Rational Surgical Decision Making", "Human Anatomy", "Thoracolumbar Fractures", "Infections and Tumors of the Spine". Minneapolis, MN; July 17-18, 1992.

Cantor, J., Lebowhl, N., Garvey, TA., Eismont, F.: "Prospective Analysis of Non-operative Management of Thoracolumbar Burst Fractures with Early Ambulation and Bracing". Presented at North American Spine Society, July 1992, Boston, MA.

Garvey, T: Televised Discussions for "Health Talk and You", Minneapolis, MN; May 26, 1992, "Low Back Pain".

Garvey, TA., Rock, M.: Co-Chairs, Minnesota Orthopaedic Society Annual Meeting, May 1-2, 1992, Minneapolis, MN.

Conservative Management of Low Back Pain. Presented at University of Minnesota Family Practice Continuing Education, May 1992; Minneapolis, MN.

Lectures presented at SSAF Spinal Update for Orthopaedic and Neurosurgeons;

Course Director.

Topics Covered: "Rational Surgical Decision Making", "Human Anatomy", "Thoracolumbar Fractures", "Infections and Tumors of the Spine". Minneapolis, MN; December 6-7, 1991.

Cervical Radiculopathy and Myelopathy. Presented for Resident Lecture in the Department of Physical Medicine and Rehabilitation, 1992.

Management of Low Back Pain. Presented at Boynton Health Service, 1992.

1991

Lectures presented at SSAF Spinal Update for Orthopaedic and Neurosurgeons; Course Director.

Topics Covered: "Rational Surgical Decision Making", "Human Anatomy", "Thoracolumbar Fractures", "Infections and Tumors of the Spine".

Lectures presented at SSAF Spinal Update for Orthopaedic and Neurosurgeons; Course Director.

Topics Covered: "Rational Surgical Decision Making", "Human Anatomy", "Thoracolumbar Fractures", "Infections and Tumors of the Spine". Minneapolis, MN; December 6-7, 1991.

Garvey, TA., Roberti, L., and Eismont, F.: "Anterior Decompression and Plate Stabilization for Cervical Fractures and Dislocations with Posterior Disruption". Presented at Annual Meeting of Cervical Spine Research Society, December 1991, Philadelphia, PA.

Lectures presented at Northwestern Chiropractic College Conference: Comprehensive Spinal Update. November 8-9, 1991; Bloomington, MN. "Cervical Radiculopathy", "Degenerative Lumbar Spine", "Rational Surgical Decision Making in Lumbar Disc Herniations", "Infections and Tumors of the Spine".

Understanding Orthopedist's Reports. Presented at U.S. Department of Labor Administrative Law Judges Seminar, New Orleans; November 1991.

Garvey, TA., Eismont, F.: "Anterior Cervical Decompression and Fusion With Plate Stabilization for Cervical Spine Fractures and/or Dislocations With Posterior Ligamentous Disruption". Presented at Minnesota Orthopaedic Society, May 1991, Minneapolis, MN.

Conservative Management of Low Back Pain. Presented at University of Minnesota Family Practice Continuing Education, April 1991; Minneapolis, MN.

Annual Lectures University of Minnesota Orthopaedics, Minneapolis, MN; 1991-present.

"Cervical Fractures and Dislocations", "Cervical and Lumbar Orthosis", "Functional Anatomy of the Spine", "Conservative Management and

Rehabilitation of Lower Back Pain", "Lumbar Spinal Stenosis", "Cervical Radiculopathy and Myelopathy", "Rational Surgical Decision Making", "Anatomy Dissection of the Spine", "Low Back Pain and Acute Sciatica".

1990 Nonoperative Management of Low Back Pain, with Special Emphasis on Rehabilitation. Presented at Minnesota Self-Insurer's Organization, Minneapolis, MN; December, 1990.

Cervical Spondylitic Myelopathy. Presented at Grand Rounds at the University of Minnesota, Minneapolis, MN; September 1990.

Campbell, D., Eismont, F., Garvey, TA., Wiesel, S., and Bohlman, H.: "Diagnosis and Treatment of Fungal Infections of the Spine". Presented at ASIA, May 1990, Orlando, FL.

Garvey, TA., et. al.: "Postoperative Regional Anesthesia In Lower Extremity Amputations, A Method Of Postoperative Pain Management". Garvey, TA., Stauch, T., Vailas, J., Laboropolous, P. and Malawer, M. University of Miami Annual Presentation, Gus Sarmiento Day, May 1990.

Malawer, M., Khurana, J., Buch, R., Garvey, TA., Rice, L.: "Postoperative Continuous Infusional Regional Analgesia For Relief Of Pain In Patients With Musculoskeletal Tumors". Presented at AAOS Annual Meeting, February 1990, New Orleans, LA.

1989 Garvey, TA., Marks, M., Wiesel, S.: "A Prospective Randomized Double Blind Evaluation of Trigger-Point Injection Therapy For Low Back Pain". Presented at AOA Residents Meeting, March 1989, Rochester, NY.

1988 Garvey, TA., Marks, M., Wiesel, S.: "A Prospective Randomized Double Blind Evaluation of Trigger-Point Injection Therapy For Low Back Pain". ISSLS, April 1988, Miami, FL.

1987 Garvey, TA., Haas, S.: "NBA Lower Extremity Fractures, A One Year Prospective and Three Year Retrospective Study, 1983-87". Presented at NBA Team Physicians Meeting, September 1987, Seattle, WA.

Publications

2013 Cho W, Sokolowski MJ, Mehbod AA, Denis F, Garvey TA, Perl J, Transfeldt EE. MRI measurement of neuroforaminal dimension at the index and supradjacent levels after anterior lumbar interbody fusion: a prospective study. Clin Orthop Surg. 2013 Mar;5(1):49-54. Epub 2013 Feb 20.

2011 Liu H, Ploumis A, Schwender JD, Garvey TA. Posterior Cervical Lateral Mass Screw Fixation and Fusion to Treat Pseudarthrosis of Anterior Cervical Fusion. J Spinal Disord Tech. 2011 Apr 10. [Epub ahead of print]

Bronfort G, Maiers MJ, Evans RL, Schulz CA, Bracha Y, Svendsen KH, Grimm Jr RH, Owens Jr EF, Garvey TA, Transfeldt EE. Supervised Exercise, Spinal Manipulation and Home Exercise for Chronic Low Back Pain: A Randomized Clinical Trial. *The Spine Journal* (2011) - In Press.

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