

Patrick Joseph Connolly, MD

ADDRESS : UMass Memorial Medical Center - Spine Center  
119 Belmont Street  
Worcester, MA 01605

CURRENT POSITION: Professor Orthopaedic Surgery University of Massachusetts  
Chief, Division of Spinal Surgery  
Director of Spine Center UMass Memorial Medical Center  
  
1/04 - Present

PREVIOUS POSITIONS: Associate Professor Orthopaedic Surgery and Neurosurgery  
SUNY Upstate Medical University  
550 Harrison Center, suite 130  
Syracuse, NY 13202  
  
7/93 - 12/03

Private Practice Orthopaedics  
Rockville Orthopaedics  
Rockville, Connecticut

Courtesy Staff Newington Children's Hospital  
  
7/91 - 6/93

FELLOWSHIP: John P. Kostuik Fellow  
University of Toronto, The Toronto Hospital  
  
7/90 - 6/91

RESIDENCY: Orthopaedic Surgery  
UMDNJ - Robert Wood Johnson Medical School  
New Brunswick, NJ  
  
7/86 - 6/90

Orthopaedic Resident Children's Hospital of Pennsylvania

1/88 - 6/88

General Surgery (PG 2)  
UMDNJ - Robert Wood Johnson Medical School  
New Brunswick, NJ

7/85 - 6/86

General Surgery Internship  
Brown University Medical School  
Rhode Island Hospital  
Providence, RI

6/84 - 6/85

MEDICAL SCHOOL: Northwestern University Medical School MD, 1984

PRE - MED: Columbia University certificate of attendance, 1980

UNDERGRADUATE: Montclair State University BA, Physical ED, 1977

HIGH SCHOOL: Xavier, NYC 1973

ACTIVITY/ HONORS: Dean's List, Columbia University  
Intercollegiate Football  
Phi Epsilon Kappa Scholarship Key  
Eagle Scout, Boy Scouts of America

CERTIFICATION: Diplomate American Board of Orthopaedic Surgery  
Diplomat National Board of Medical Exam

MEDICAL LICENSE:

New York  
Massachusetts  
New Jersey (inactive)  
Connecticut (inactive)  
Hawaii (inactive)  
Louisiana (inactive)

SOCIETY MEMBERSHIP:

American Orthopaedic Association  
American Academy of Orthopaedic Surgeons  
American College of Surgeons  
Cervical Spine Research Society  
Scoliosis Research Society  
North American Spine Society  
Orthopaedic Research Society  
Irish American Orthopaedic Society  
Eastern Orthopaedic Association  
New England Orthopaedic Society  
Kostuik Society

PRESENTATIONS:

Complications of Open Tibia Fracture. New Jersey Orthopaedic Society, October 27, 1989, Sommerset, New Jersey

Anterior Cervical Plate Fixation with the Titanium Hollow Screw Plate System (THSP), Connolly PJ, Suh PB, Kostuik JP, Esses SI. Cervical Spinal Research Society 18th Annual Meeting, November 29, 1990, San Antonio, Texas

Dermatome Specific Corticosensory Evoked Potential (CSEP): Its Use in the Evaluation and Operative Treatment of Chronic Low-back Radicular Pain Syndromes. Connolly PJ, Malberg MI, Hajdu M, New Jersey Orthopaedic Society Annual Meeting, Orlando, Florida, April 17-20, 1991.

Long-term (Ten Year) follow-up of Idiopathic Adult Scoliosis. Connolly PJ, Kostuik JP, Worden Hawker R, Salo P, The Canadian Orthopaedic Association Annual Meeting, Calgary, Alberta, June 2-6. 1991.

Anterior Cervical Plate Fixation with the Titanium Hollow Screw Plate System (THSP), Connolly PJ, Suh PB, Kostuik JP, Esses SI, North American Spine Society, Keystone Colorado, July 31 - August 4th 1991.

Dermatome Specific Corticosensory Evoked Potential (CSEP): Its Use in the Evaluation and Operative Treatment of Chronic Low-back Radicular Pain Syndromes, Connolly PJ, Malberg MI, Hajdu M., North American Spine Society, Keystone, Colorado, July 31st - August 4th 1991.

Long-term (Ten Year) follow-up of Idiopathic Adult Scoliosis, Connolly PJ, Kostuik JP, VonSchroeder H, Salo P. North American Spine Society, Keystone, Colorado, July 31st - August 4th 1991.

The use of Dermatome Specific Corticosensory Evoked Potential (CSEP): Its use in the Evaluation and operative Treatment of Lumbar Radicular Pain Syndromes.: A follow up Report, Kopacz KJ, Malberg MI, Hajdu M, Connolly PJ. North American Spine Society, Boston, Massachusetts, July 9 - 11, 1992

Idiopathic Adolescent Scoliosis: A long term (minimum 10 years) follow up following Harrington Instrumentation into the lumbar spine. PJ Connolly, HP vonSchroeder, GE Johnston, JP Kostuik. Scoliosis Research Society Annual Meeting, September 19 - 23, 1993. Dublin, Ireland.

Lumbar Circumferential Lateral Wedge Osteotomy: Descriptions of technique and review of surgical experience. JP Kostuik, PJ Connolly, E Munting. Scoliosis Research Society Annual Meeting. September 18 - 23, 1993. Dublin, Ireland.

PRESENTATIONS CONTINUED

Idiopathic Adolescent Scoliosis: A long term (minimum 10 years) follow up following Harrington Instrumentation into the lumbar spine. PJ Connolly, HP vonSchroeder, GE Johnston, HP Kostuik. North American Spine Society, 8th Annual Meeting. October 13 - 15, 1993. San Diego, California.

Lumbar Circumferential Lateral Wedge Osteotomy: Descriptions of technique and review of surgical experience. PJ Connolly, E. Munting, HP Kostuik. North American Spine Society, 8th Annual Meeting, October 13 - 15, 1993. San Diego, California.

Anterior Cervical Fusion: Outcome Analysis of Patients Fused with and without Anterior Cervical Plates. PJ Connolly, SE Esses, JP Kostuik. New England Orthopaedic Society, Annual Fall Meeting, November 19&20, 1993. Boston, Mass.

Anterior Cervical Fusion: Outcome Analysis of Patients Fused with and without Anterior Cervical Plates. PJ Connolly, SE Esses, JP Kostuik. Cervical Spine Research Society, Twenty-First Annual Meeting, December 1-4, 1993. New York, New York.

Comparative Study of Anterior Cervical Fusion Using Allograft vs. Autograft Bone. SC LEE, KM Incurvaia, RH Fay, MW Jones, PJ Connolly, BE Fredrickson, HA Yuan. Spine Fellow Conference, November 18, 19 1993. New Orleans, LA.

Spinal Injuries in Sports. PJ Connolly, M.D. 1994 Winter Sports Medicine Symposium. February 16, 1994. Syracuse N.Y.

Anterior Cervical Fusion: Outcome Analysis of Patients Fused with and without Anterior Cervical Plates. PJ Connolly, SE Esses, JP Kostuik. Spine Across the Sea, North American Spine Society and Japanese Spine Research Society combined meeting. April 18-21, 1994. Maui, Hawaii.

Degenerative Lumbar Spondylolisthesis: A Meta-Analysis of Literature of Literature 1970-1993. SM Mardjetko, PJ Connolly, S Shott. Pedicle Screw Presentation to the FDA Scientific Panel July 1994.

Degenerative Lumbar Spondylolisthesis: A Meta-Analysis of Literature of Literature 1970-1993. SM Mardjetko, PJ Connolly, S Shott. North American Spine Society, 9th Annual Meeting. October 19-22, 1994, Minneapolis, Minnesota.

PRESENTATIONS CONTINUED

The Prevalence of Cervical Spondylolisthesis. Kopacz KJ ,Connolly PJ . Cervical Spinal Research Society 22nd Annual Meeting, November 29-December 2 1994 Baltimore, MD.

Anterior Cervical Fusion:Outcome Analysis of Patients Fused with and without Anterior Cervical Plates.PJ Connolly, SE Esses, JP Kostuik. American Academy of Orthopaedic Surgeons 62nd Annual Meeting Orlando FL. February 16-21, 1995 .

Current Investigation in Thoroscopic and Laproscopic Spine Surgery.Connolly PJ. The 1995 Biennial Meeting of The Irish American Orthopaedic Society,Williamsburg, VA, May 3 - 7, 1995.

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. 30th Annual Meeting of the Scoliosis Research Society,Asheville, NC. September 13-16, 1995.

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. 10th Annual Meeting of the North American Spine Society,Washington D.C., October 18-21, 1995.

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. 12th Annual Meeting of the Joint Section On Disorders of The Spine and Peripheral Nerves of The American Association of Neurological Surgeons and Congress of Neurological Surgeons, Orlando,FL. February 28 - March 2 1996 .

Video Assisted Thoracic Discectomy and Anterior Release : A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly,MD, R Kolata DVM ,NR Ordway MS, V Vamvanij,MD, Eric Wall,MD., T Sacks, BS, KA Mann,PhD., HA Yuan. 27th Annual Meeting of The Eastern Orthopaedic Association, Hilton Head Island, SC, October 16 - 20, 1996.

Lumbar Interbody Fusion Cages. PJ Connolly, MD. New England Orthopaedic Society Fall Meeting, Boston, MA, November 20, 1997.  
PRESENTATIONS CONTINUED

Characteristics of Unicortical and Bicortical Lateral Mass Screws in the Cervical Spine. Eric Seybold, MD., PJ Connolly, MD. New England Orthopaedic Society Fall Meeting, Boston, MA, November 20, 1998.

Characteristics of Unicortical and Bicortical Lateral Mass Screws in the Cervical Spine. Eric Seybold, MD., PJ Connolly, MD. Cervical Spinal Research Society 26th Annual Meeting, December 3-5, 1998, Atlanta, GA.

Characteristics of Unicortical and Bicortical Lateral Mass Screws in the Cervical Spine. Eric Seybold, MD., PJ Connolly, MD. Orthopaedic Research Society Annual meeting, Anaheim, CA February 1999.

Return to Play Following Cervical Spinal Injury. Christina Morganti, MD, Colleen A. Sweeney, MA, Stephen A. Albanese, MD, Timothy Hosea, MD♣, Corey Burak, BA, Patrick J. Connolly, MD. Irish American Orthopaedic Society 10th Bi-Annual Meeting, Kilkenny, Ireland, May 20 – 24, 1999.

Return to Play Following Cervical Spinal Injury. Christina Morganti, MD, Colleen A. Sweeney, MA, Stephen A. Albanese, MD, Timothy Hosea, MD♣, Corey Burak, BA, Patrick J. Connolly, MD. New England Orthopaedic Society Spring Meeting, Maine, June 4-6, 1999.

Restoration of Cervical Lordosis: Analysis of surgical techniques. Soulez, c., Matan, A., Wulffe, WW., Ordway, N., Connolly, PJ. New England Orthopaedic Society Spring Meeting, Maine, June 4-6, 1999.

Return to Play Following Cervical Spinal Injury. Christina Morganti, MD, Colleen A. Sweeney, MA, Stephen A. Albanese, MD, Timothy Hosea, MD♣, Corey Burak, BA, Patrick J. Connolly, MD. 30th Annual Meeting of The Eastern Orthopaedic Association, Vienna, Austria, October 16 - 20, 1999.

Recurrent Laryngeal Nerve Injury with Anterior Cervical Spine Surgery: Risk with Laterality of Surgical Approach. Beutler WJ, Sweeney CA, Connolly PJ. XVI Annual Meeting of the European Cervical Spine Research Society, London, UK, June 21 – 23, 2000.

Prospective Randomized Study of Anterior Lumbar Interbody Fusion Cages: Comparative Clinical Study of the Titanium Interbody Spacer (TIS) and the BAK Fusion Device. Patrick J. Connolly, MD; Colleen A. Sweeney, MA; Emily Keim MS; J. Talley

PRESENTATIONS CONTINUED

Parrott, MD; Douglass R. Howard, MD; Paul A. Broadstone, MD. Spine Across the Sea 2000, Waikoloa, Hawaii, July 23 – 27, 2000.

Recurrent Laryngeal Nerve Injury with Anterior Cervical Spine Surgery: Risk with Laterality of Surgical Approach. Beutler WJ, Sweeney CA, Connolly PJ. 28th Annual Meeting of the Cervical Spine Research Society, Charleston, NC Nov.30- Dec. 2, 2000.

Recurrent Laryngeal Nerve Injury with Anterior Cervical Spine Surgery: Risk with Laterality of Surgical Approach. Beutler WJ, Sweeney CA, Connolly PJ. 69th Annual Meeting of The American Association of Neurological Surgeons (AANS), April 21-26, 2001.

Recurrent Laryngeal Nerve Injury with Anterior Cervical Spine Surgery: Risk with Laterality of Surgical Approach. Beutler WJ, Sweeney CA, Connolly PJ. 69th Annual Meeting AANS/CNS Joint Section on Spine. Feb. 14-17, 2001, Phoenix, AZ.

A Rational for Obtaining Post Operative Imaging after Transpedicular Fixation of the Spine. Dahari Brooks, Kevin Setter, Patrick Connolly. New England Orthopaedic Society Fall Meeting, Boston, MA, November 16, 2001

Restoration Of Cervical Lordosis and Neuroforaminal Height, Analysis of Three Surgical Techniques. Wulff, WEA., Jenis, L, Matan, A, Orway, N, Connolly, PJ. 29th Annual Meeting of the Cervical Spine Research Society, Monterey, CA, November 29 – December 1, 2001.

Airway Complications Associated with Anterior Cervical Spine Surgery. HC Sagi, MD, W Buetler, MD, E Carroll, MD, PJ Connolly, MD 29th Annual Meeting of the Cervical Spine Research Society, Monterey, CA, November 29 – December 1, 2001.

Sensitivity and Specificity of Plain Radiographs and CT in Assessing Lumbar Pedicle Screw Placement. D Brooks, R Manos, R Benz, J Klena, PJ Connolly. Annual Meeting for the International Society for the Study of the Lumbar Spine, May, 2002

Prospective Randomized Study of Anterior Lumbar Interbody Fusion Cages with a Minimum Two Year Follow-up. Patrick J. Connolly, MD; Colleen A. Sweeney, MA; Emily Keim MS; J. Talley Parrott, MD; Douglass R. Howard, MD; Paul A. Broadstone, MD. North American Spine Society Annual Meeting, Montreal, Oct. 25, 2002

Sensitivity and Specificity of Plain Radiographs and CT in Assessing Lumbar Pedicle Screw Placement. D Brooks, R Manos, R Benz, J Klena, PJ Connolly. North American Spine Society Annual Meeting, Montreal, Oct. 25, 2002

PRESENTATIONS CONTINUED

The Role of Steroids in the Prevention of Airway Complications Associated with Anterior Cervical Spine Surgery. D Brooks, HC Sagi, MD, W Buetler, MD, D Riew, MD, PJ Connolly, MD 29th Annual Meeting of the Cervical Spine Research Society, Miami FL, November 29 – December 1, 2002.

Short Segment Posterior Indirect Reduction and Stabilization of Thoracolumbar Burst Fractures. Minimum Two Year Follow-Up. D.Brooks MD; J. McLaughlin M.S IV; P. Connolly MD; B.Fredrickson MD. Annual Meeting of North American Spine Society, Chicago IL. October 27-30, 2004.

#### POSTERS AND SCIENTIFIC EXHIBITS:

Lumbar Sacral Fracture Dislocation Recognition and Treatment. Connolly, PH. Cook SS, Malberg MI Scientific Exhibit AAOS, Las Vegas, February 1989

Dermatome Specific Corticospinal Evoked Potential (CSEP): Its use in the Evaluation and Operative Treatment of Lumbar Radicular Pain Syndrome. Connolly, PJ, Malberg MI, Hajdu M, Poster Exhibit Combined Meeting of the Orthopaedic Research Society of USA, Japan and Canada, Banff, Alberta . October 21-23, 1991

Dermatome Specific Corticospinal Evoked Potential (CSEP): Its use in the Evaluation and Operative Treatment of Lumbar Radicular Pain Syndromes. Connolly PJ, Malberg MI, Hajdu M, Poster Exhibit AAOS, Washington, D.C., February 20-25, 1992

Comparative Study of Anterior Cervical Fusion Using Allograft vs. Autograft Bone. SC LEE, KM Incurvaia, PJ Connolly, BE Fredrickson, HA Yuan. Spine Across the Sea, North American Spine Society and Japanese Spine Research Society combined meeting. April 18-21, 1994. Maui, Hawaii.

Comparative Study of Anterior Cervical Fusion Using Allograft vs. Autograft Bone. SC LEE, KM Incurvaia, PJ Connolly, BE Fredrickson, HA Yuan. Cervical Spinal Research Society 22nd Annual Meeting Baltimore, MD. November 29-December 2 1994 .

Comparative Study of Anterior Cervical Fusion Using Allograft vs. Autograft Bone. SC LEE, KM Incurvaia, PJ Connolly, BE Fredrickson, HA Yuan. American Academy of Orthopaedic Surgeons 62nd Annual Meeting Orlando FL. February 16-21, 1995 .

The Prevalence of Cervical Spondylolisthesis KJ Kopacz, P J Connolly. American Academy of Orthopaedic Surgeons 62nd Annual Meeting Orlando FL. February 16-21, 1995.

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. 30th Annual Meeting of the Scoliosis Research Society, Asheville, NC. September 13-16, 1995.

Endoscopic Retroperitoneal Approach to the Lumbar Spine.Audio Visual Exhibit. PJ Connolly, HA Yuan M Clem, R Kolata . 30th Annual Meeting of the Scoliosis Research Society,Asheville, NC. September 13-16, 1995.

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. 26th Annual Meeting of the Eastern Orthopaedic Association,Rome, Italy. October 11-15, 1995.

Intraoperative Motion Segments as a Guide to the Surgical Level in the Lumbar Spine. PJ Connolly. 26th Annual Meeting of the Eastern Orthopaedic Association,Rome, Italy. October 11-15, 1995.

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. 10th Annual Meeting of the North American Spine Society,Washington D.C., October 18-21, 1995.

Intraoperative Motion Segments as a Guide to the Surgical Level in the Lumbar Spine. PJ Connolly. 10th Annual Meeting of the North American Spine Society,Washington D.C., October 18-21, 1995.

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. American Academy of Orthopaedic Surgeons 63rd Annual Meeting Alanta, GA. February 21 - 27 , 1995. .

Endoscopic Retroperitoneal Approach to the Lumbar Spine.Audio Visual Exhibit. PJ Connolly, HA Yuan M Clem, R Kolata.12th Annual Meeting of the Joint Section On Disorders of The Spine and Peripheral Nerves of The American Association of Neurological Surgeons and Congress of Neurological Surgeons, Orlando,FL. February 28 - March 2 1996 .

Biomechanical Assessment of Anterior Lumbar Interbody Fusion Using the BAK system: A comparison of Anterior vs. Lateral Insertion. L.A. Fay, Y.G. Zheng, G.S. Shapiro, K.A. Mann, P.J. Connolly, H.A. Yuan. International Society for the Study of the Lumbar Spine, annual meeting Burlington, Vermont June 25 – 29, 1996

Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan.SICOT 20th World Congress, Amsterdam, The Netherlands, August 18 - 23, 1996.

Endoscopic Retroperitoneal Approach to the Lumbar Spine.Audio Visual Exhibit. PJ Connolly, HA Yuan M Clem, R Kolata.SICOT 20th World Congress, Amsterdam, The Netherlands, August 18 - 23, 1996.

Video Assisted Thoracic Discectomy and Anterior Release : A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly,MD, R Kolata DVM ,NR Ordway MS, V Vamvanij,MD, Eric Wall,MD., T Sacks, BS, KA Mann,PhD., HA Yuan. 31th Annual Meeting of The Scoliosis Research Society, Ottawa, Ontario,Canada, September 25 - 28, 1996.

Video Assisted Thoracic Discectomy and Anterior Release : A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly,MD, R Kolata DVM ,NR Ordway MS, V Vamvanij,MD, Eric Wall,MD., T Sacks, BS, KA Mann,PhD., HA Yuan. 27th Annual Meeting of The Eastern Orthopaedic Association, Hilton Head Island, SC, October 16 - 20, 1996.

Video Assisted Thoracic Discectomy and Anterior Release : A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly,MD, R Kolata DVM ,NR Ordway MS, V Vamvanij,MD, Eric Wall,MD., T Sacks, BS, KA Mann,PhD., HA Yuan. 11th Annual Meeting of the North American Spine Society, Vancouver, British Columbia., October 23-26, 1996.

Video Assisted Thoracic Discectomy and Anterior Release : A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly,MD, R Kolata DVM ,NR Ordway MS, V Vamvanij,MD, Eric Wall,MD., T Sacks, BS, KA Mann,PhD., HA Yuan. 10th Combined Meeting of the Orthopaedic Associations of the English Speaking World, Auckland, New Zealand., February 1-6, 1998.

Video Assisted Thoracic Discectomy and Anterior Release : A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly,MD, R Kolata DVM ,NR Ordway MS, V Vamvanij,MD, Eric Wall,MD., T Sacks, BS, KA Mann,PhD., HA Yuan. Third Combined Meeting of the Orthopaedic Research Societies, Hamamatsu, Japan., September 28-30, 1998.

Return to Play Following Cervical Spinal Injury. Christina Morganti, MD, Colleen A. Sweeney, MA, Stephen A. Albanese, MD, Timothy Hosea, MD♣, Corey Burak, BA, Patrick J. Connolly, MD. Cervical Spinal Research Society 26th Annual Meeting, December 3-5, 1998, Atlanta, GA.

Restoration of Cervical Lordosis: Analysis of surgical techniques. Soulez, c., Matan, A., Wulffe, WW., Ordway, N., Connolly, PJ.. XV Annual Meeting of Cervical Spine Research Society, European Section, Strasbourg, France, June 30 – July 3, 1999.

Restoration of Cervical Lordosis: Analysis of surgical techniques. Matan, A., Wulff, WW. Ordway, N., Soultz,C.,Seybold, E., Connolly, PJ.. 27th Annual Meeting of the Cervical Spine Research Society, Seattle, WA, December 16-18, 1999.

Validation of Probe Measurement of In-Vitro Cervical Neuroforamina by CT Image Correlation. Matan, A., Wulff, WW. Ordway,N., Soultz,C., Seybold,E., Connolly, PJ..

27th Annual Meeting of the Cervical Spine Research Society, Seattle, WA, December 16-18, 1999.

Fractures of the Cervical Spine in Ankylosing Spondylitis and Diffuse Idiopathic Skeletal Hyperostosis. Boakye, Vaccaro, Sweeney, Connolly. 29th Annual Meeting of the Cervical Spine Research Society, Monterey, CA, November 29 – December 1, 2001.

Outcome Analysis of First Generation Unicortical Cervical Plates. MY Bennett, WJ Beutler, PJ Connolly, CSRS European, Paris, 2002

Prospective Randomized Study of Anterior Lumbar Interbody Fusion Cages with a Minimum Two Year Follow-up. Patrick J. Connolly, MD; Colleen A. Sweeney, MA; Emily Keim MS; J. Talley Parrott, MD; Douglass R. Howard, MD; Paul A. Broadstone, MD. AAOS Annual Meeting, New Orleans, February 2003.

Short Segment Posterior Reduction and Stabilization for Thoracolumbar Burst Fractures. Minimum Two Year Follow-Up. D. Brooks, MD; J. McLaughlin M.S IV; P. Connolly MD; B. Fredrickson MD. International Society For The Study of The Lumbar Spine May 10-14, 2005.

Biomechanical Analysis of Pedicle Screw Fixation in a Multi-Segment Anterior Lumbar Interbody Fusion Model. D. Brooks, MD; N. Ordway MD; E. Dale MD; H. Serhan MD; P. Connolly MD. Annual Eastern Orthopedic Society, Boston, MA 2005

#### PUBLICATIONS:

1. Long-term (Ten Year) follow-up of Idiopathic Adult Scoliosis, Kostuik JP, Connolly PJ, Worden Hawker R, Salo P, JBJS 73B Supp II 109, 1991.

2. Unilateral Facet Dislocation of the Lumbosacral Junction. Connolly PJ, Esses SI, Heggeness M, Cook SS, Spine 1:1244-1248, 1992.

3. Anterior Cervical Plate Fixation with the Titanium Hollow Screw Plate System (THSP), Kostuik JP, Esses SI., Connolly PJ, Suh PB, Spine. 18:1273-1278, 1993

4. Degenerative Lumbar Spondylolisthesis: A Meta-Analysis of Literature of Literature 1970-1993. SM Mardjetko, PJ Connolly, S Shott. Spine 20S: 2256S - 2265S, 1994.

5. Idiopathic Adolescent Scoliosis: A long term (minimum 10 years) follow up following Harrington Instrumentation into the lumbar spine. PJ Connolly, HP von Schroeder, GE Johnston, JP Kostuik. JBJS 77(A):1210 - 1216, 1995.

6. Anterior Cervical Fusion: Outcome Analysis of Patients Fused with and without Anterior Cervical Plates. Connolly PJ, Esses SE, Kostuik JP. Journal of Spinal Disorders Vol.9 202 - 206, 1996.
7. Video Assisted Thoracic Corpectomy and Spinal Reconstruction : a Biomechanical Analysis of Open Vs. Endoscopic Technique. PJ Connolly, M Clem, R Kolata, N Ordway, HA Yuan. Journal of Spinal Disorders Vol. 9 453 - 459, 1996.
8. Incomplete Intradural Lumbar Disk Herniation: Case Report and Review of the Literature. Connolly PJ, Rosenbaum AE, Sacks T, Kopacz KJ. Orthopaedics 20:977-979, 1997.
9. Bracing of Patients Following Fusion for Degenerative Lumbar Spine Problems. Connolly PJ.: Spine 23: 1426-1427, 1998.
10. The Prevalence of Cervical Spondylolisthesis. Kopacz KJ, Connolly PJ. ORTHOPAEDICS 22 vol.7 677 – 679, 1999.
11. Video Assisted Thoracic Discectomy and Anterior Release: A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly, MD, R Kolata DVM, NR Ordway MS, V Vamvanij, MD, Eric Wall, MD., T Sacks, BS, KA Mann, PhD., HA Yuan. Orthopaedics, 22: #10, 1999.
12. Characteristics of Unicortical and Bicortical Lateral Mass Screws in the Cervical Spine. Eric Seybold, MD., PJ Connolly, MD. SPINE 24: 2397 – 2403, 1999.
13. Resident and Fellowship Guidelines: Educational Guidelines for resident training in spinal surgery. Herkowitz, HH, Connolly, PJ Gundry, CR., Varlotta, GP., Zedeblick, TA., Truumees, E.: Spine 25 2703- 2707, 2000.
14. Traumatic Atlantoaxial Distraction Injury: A Case Report. Eben A Carroll, BS., Brian Gordon, MD., Colleen Sweeney, MA., Stephen Joy, MD., Patrick J Connolly, MD. Spine 26: 454-457, 2001.
15. Return to Play Following Cervical Spinal Injury. Christina Morganti, MD, Colleen A. Sweeney, MA, Stephen A. Albanese, MD, Timothy Hosea, MD, Corey Burak, BA, Patrick J. Connolly, MD. Spine 26: 1131-1136, 2001
16. Recurrent Laryngeal Nerve Injury with Anterior Cervical Spine Surgery: Risk with Laterality of Surgical Approach. William J. Beutler, M.D., Colleen A. Sweeney, MA; Patrick J. Connolly, MD. Spine 26: 1337 – 1342, 2001.
17. Airway Complications Associated with Anterior Cervical Spine Surgery. HC Sagi, MD, W Buetler, MD, E Carroll, MD, PJ Connolly. Spine 27: 949 – 953, 2002.

18. Electro-Magnetic Field Based Image-Guided Spine Surgery  
Part One: Results of a Cadaveric Study Evaluating Lumbar Pedicle Screw Placement. HC Sagi,R Manos, R Benz, N Ordway, PJ Connolly. Spine 28: 2013 – 2018, 2003.

19. Electro-Magnetic Field Based Image-Guided Spine Surgery  
Part Two: Results of a Cadaveric Study Evaluating Thoracic Pedicle Screw Placement. HC Sagi,R Manos, R Benz, N Ordway, PJ Connolly. Spine 28: E351 – E354, 2003.

#### Book Chapters

1. Anterior Cervical Plate Fixation. John P. Kostuik, M.D. Patrick J. Connolly, M.D. Chapter 16 163-174; Surgery for Spinal Cord Injuries, edited by Steven R. Garfin, M.D. and Bruce E. Northrup, M.D. Raven Press, Ltd., New York, 1993.

2. Anterior Instrumentation of The Cervical Spine. Patrick J. Connolly, M.D., Hansen A. Yuan, M.D. Chapter 101, Spine Care: Diagnosis and Treatment, Edited by Arthur H. White. C.V. Mosby 1995.

3. Cervical Spine Fractures. Patrick J. Connolly, M.D., Hansen A. Yuan, M.D. Chapter 104, Spine Care: Diagnosis and Treatment, Edited by Arthur H. White. C.V. Mosby 1995.

4. Endoscopic Retroperitoneal Approach to the Lumbar Spine. Patrick J. Connolly, M.D., Hansen A. Yuan, M.D. Atlas of Endoscopic Spine Surgery by John Regan and Paul McAfee. Quality Medical Publishing, 1995.

5. Cervical Trauma. Patrick J. Connolly, M.D., Hansen A. Yuan, M.D. Orthopaedic Knowledge Update V (OKU-V). AAOS Publications. 1996.

6. Non Operative Treatment Of Spinal Injuries. Bruce Fredrickson, M.D., Hansen A. Yuan, M.D., Patrick J. Connolly, M.D. Orthopaedic Knowledge Update: Trauma . AAOS Publications. 1996.

7. Cervical Trauma. Patrick J. Connolly, M.D., Robert Martin, M.D., Hansen A. Yuan, M.D. Spine Knowledge Update . AAOS Publications. 1996.

8. Complications of Spinal Surgery: Complications Associated with Posterior Instrumentation of the Spine. Connolly PJ., Yuan HA. in Rothman - Simeone THE SPINE, fourth edition. Herkowitz, Garfin, Balderson, Eismont, Bell, Wiesel (eds). WB Saunders, 1999.

9. Reconstruction of Anterior Column Gap: an Overview. Connolly PJ, Yuan HA. in REVISION SPINE SURGERY, Margulies, Aebi, Farcy (eds). Mosby, 1999.

10. Thoracolumbar Burst Fractures: Overview of Classification System. Chapter 5, 106 – 111, in *Controversies in Spine Surgery*, Vol. 1, Zdeblick, Benzel, Anderson, Stillerman (eds). Quality Medical Publishing, ST. Louis, MO, 1999.

11. Spondylolisthesis Bruce Fredrickson, M.D., Patrick J. Connolly, M.D. Orthopaedic Knowledge Update: Spine II . AAOS Publications. 2002.

12. Lumbar Corpectomy, Chapter 47, pg 218-222. Connolly PJ., in *SURGICAL TECHNIQUES of the SPINE*, Harer, Merola, (eds). Thieme. 2003

13. Factors Affecting Surgical Decision Making, Chapter 8, pg 125-131. Connolly PJ. in *SPINAL CORD MEDICINE*, Lin(eds) . Demo Medical Publishers, New York, 2003

14. Concepts of Cervical Decompression. Matan AJ, Connolly PJ. Cervical Spine Research Society Text. In press.

#### TEXTBOOKS

*Advanced Spinal Surgical Technologies*. Editors, T Corbin, PJ Connolly, HA Yuan, QB Bao, S Boden. Quality Medical Publishing. 2005.

#### POSTGRADUATE COURSES

Co-Chairman, SRS/NASS Symposium on the role of Thoracoscopy in Spinal Deformity Surgery. July 19 - 21, 1995, Cincinnati, OH.

Visiting Professor, Barrow Neurological Institute and the University of Arizona Health Science Center. Surgical Techniques: Thorascopic Anterior Release for Spinal Deformity. August 31 - September 2, 1995.

Visiting Professor, University of Florida. Endoscopic Retroperitoneal Approach to the Lumbar Spine. Orlando FL, September 9 -14, 1995.

Co-Chairman, SRS Symposium on Thoracoscopy in Spinal Deformity Surgery. June 12 - 13, 1996, Cincinnati, OH.

Visiting Professor, Barrow Neurological Institute and the University of Arizona Health Science Center. Surgical Techniques: Thorascopic Anterior Release for Spinal Deformity. June 5 - 9, 1996.

Visiting Professor Spinal Retreat, Fractures of the Cervical Spine : Anterior and Posterior Stabilization. TAU Game Lodge, Johannesburg, South Africa, July 30 - August 4, 1996.

Faculty, Spine Tech Surgical Education course: BAK Lumbar Fusion Cage. Bioscience Overview, Anterior Surgical Approach. Minneapolis, MN.

Moderator, North American Spine Society UPDATE 1997: Bone Healing and Cages. October 22, New York, NY, 1997.

Moderator, General Session on Lumbar Spine Surgery, Complications in Lumbar Spine Surgery. Twelfth Annual meeting of the North American Spine Society, October 23 - 25, New York, NY, 1997.

Faculty, AO/ASIF Comprehensive and Advanced Spine Course, Montreal, Quebec, July 16-19, 1998.

Co-Chairman, NASS Resident Review course. New Brunswick, NJ, January 22-23, 1999.

Chairman, NASS Spine Care Review course. Chicago, IL, October 23 -24, 1999.

Chairman, NASS Spine Care Review course. New Orleans, LA. Oct. 25, 2000.

Invited Speaker, American Academy Orthopaedic Surgery, Symposium on Head and Neck Injuries in Athletes'. March 4, 2001, San Francisco, CA.

Co-Chairman, NASS Lumbar Spine course. Memphis, TN. March 9-10, 2001.

Invited Speaker, Controversies in Spine Care, 37th Annual Orthopaedic Symposium, St. Luke's Episcopal Hospital, Baylor University Medical School, April 27-28, 2001, Houston, Texas.

Faculty, AO/ASIF Comprehensive and Advanced Spine Course, Marco Island, FL, September 6-9, 2001.

Chairman, NASS Spine Care Review course. Seattle WA., Oct. 31 – Nov. 3, 2001.

Faculty, AO/ASIF Comprehensive and Advanced Spine Course, Newport, RI October 6-9, 2002.

Chairman, NASS Spine Care Review course. Montreal, Qe. Oct. 23, 2002.

Chairman, NASS Spine Care Review course. San Diego. Oct. 23, 2003

## COMMITTEE APPOINTMENT

### North American Spine Society

2004 Annual Meeting Program Committee	2003 - 2007
Membership Committee	2003 - 2006
Committee on Resident and Fellow Education	2001 – 2004
Committee on Resident and Fellow Education	1998 - 2001
Core Curriculum Task Force	1995 - 1999
Committee on Resident and Fellow Education	1997 - 1998
Scientific Poster Committee Chairperson	1997, 1998

### Cervical Spine Research Society

Editorial Committee	2003 - 2006
Exhibits Committee	1996 – 2000

### American Academy of Orthopaedic Surgeons

Adult Spine Evaluation Committee	1997 – 2003
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### Scoliosis Research Society

Prevalence and Natural History Committee	1998 - 2000
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## AWARDS

### 2001 Cervical Spine Research Society Clinical Fellow Research Award

Airway Complications Associated with Anterior Cervical Spine Surgery. HC Sagi, MD, W Buetler, MD, E Carroll, MD, PJ Connolly, MD.

1996 Outstanding Scientific Poster North American Spine Society

Video Assisted Thoracic Discectomy and Anterior Release : A Biomechanical Analysis of Open vs. Endoscopic Technique. PJ Connolly,MD, R Kolata DVM ,NR Ordway MS, V Vamvanij,MD, Eric Wall,MD., T Sacks, BS, KA Mann,PhD., HA Yuan.

1995 Canadian Back Institute Award

Presented at the annual alumni meeting for the Dept. Orthopaedic Surgery at the University of Toronto

Idiopathic Adolescent Scoliosis: A long term (minimum 10 years) follow up following Harrington Instrumentation into the lumbar spine. PJ Connolly, HP vonSchroeder, GE Johnston, JP Kostuik.