

UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE  
DEPARTMENT OF ORTHOPEDICS AND REHABILITATION

Curriculum Vitae

**PAUL A. ANDERSON, M.D.**

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**PERSONAL DATA**

**Office Address**

UWMF Centennial Bldg  
1685 Highland Ave, 6th floor  
Madison, WI 53705-2281

**EDUCATION**

**College**

1974 — B.S.E., Chemical Engineering  
University of Michigan  
Ann Arbor, Michigan

1975 — M.S., Chemical Engineering  
University of Michigan  
Ann Arbor, Michigan

**Medical School**

1979 — M.D. with Highest Distinction  
Wayne State University  
Detroit, Michigan

**Residency**

1979–1981 — General Surgery  
Wayne State University Affiliated Hospitals  
Detroit, Michigan

1981–1984 — Orthopaedic Surgery  
Wayne State University Affiliated Hospitals  
Detroit, Michigan

**Fellowship**

1984–1985 — Spine Fellowship with Henry H. Bohlman, M.D.  
Case Western Reserve University  
Cleveland, Ohio

**BOARD CERTIFICATION**

American Board of Orthopaedic Surgeons, July 23, 1987  
American Board of Orthopaedic Surgeons, February, 1997  
American Board of Orthopaedic Surgeons, July, 2007  
American Board of Orthopaedic Surgeons, July, 2017

**LICENSURE**

Wisconsin     2002 - present — License # 44751  
Washington   1985 - 2003  
Michigan       1979 - 1985

## CURRENT POSITIONS

April 2007-present — Professor  
Department of Orthopedic Surgery  
University of Wisconsin  
Madison, Wisconsin

April 2007-present — Professor  
Department of Neurological Surgery  
University of Wisconsin  
Madison, Wisconsin

April 2007-present — Professor  
Department of Biomedical Engineering  
University of Wisconsin  
Madison, Wisconsin

## PAST POSITIONS

November 2002-April 2007 — Associate Professor  
Department of Orthopedic Surgery  
University of Wisconsin  
Madison, Wisconsin

July 2003- April 2007 — Associate Professor  
Department of Neurological Surgery  
University of Wisconsin  
Madison, Wisconsin

July 2003- April 2007 — Associate Professor  
Department of Biomedical Engineering  
University of Wisconsin  
Madison, Wisconsin

May 1994-November 2002 — Clinical Associate Professor  
Department of Orthopaedic Surgery  
Harborview Medical Center  
University of Washington  
Seattle, Washington

July 1991-May 1994 — Associate Professor  
Department of Orthopaedic Surgery  
Harborview Medical Center  
University of Washington  
Seattle, Washington

July 1991-May 1994 — Associate Professor  
Department of Neurological Surgery  
Harborview Medical Center  
University of Washington  
Seattle, Washington

July 1985-July 1991 — Assistant Professor  
Department of Orthopaedic Surgery  
Harborview Medical Center  
University of Washington  
Seattle, Washington

#### **PROFESSIONAL SOCIETIES**

Alpha Omega Alpha

American Academy of Orthopaedic Surgeons

American Orthopaedic Association

ASTM (American Society for Testing and Materials)

Cervical Spine Research Society

Lumbar Spine Research Society

North American Spine Society

Orthopaedic Research Society

Spine Section, American Academy of Neurologic Surgeons/Congress of Neurologic Surgeons

Tau Beta Pi

## HONORS AND AWARDS

Keynote Speaker

Third Annual MERC Symposium, 2016

Co-Chair

Seattle Spine Foundation 4th Annual ONE Spine Masters Course, 2016

Honoree

Madison Magazine Best Doctors, Spine Medicine, 2016

Award

ASTM Joseph S. Barr Award, 2015

Achievement Award

American Academy of Orthopedic Surgery, 2015

Inaugural Art Steffee Honored Guest Lecturer

Cleveland Spine Review Course, July 9–15, 2014

Distinguished Guest 2014

Innovative and Advanced Surgery of the Degenerative and Lumbar Spine  
Practical Anatomy & Surgical Education, St Louis, MO

Achievement Award

American Academy of Orthopedic Surgery, 2013

Cost-Effectiveness of Single-Level Anterior Cervical Discectomy  
and Fusion Five Years after Surgery

First Place Clinical Award Paper  
Cervical Spine Research Society, 2012

Cost Effectiveness of Single-Level Anterior Cervical Discectomy  
and Fusion Five Years After Surgery

Whitecloud Award  
Scoliosis Research Society, IMAST

Distinguished Fellow

American Academy of Orthopedic Surgery, 2012

Best Doctor in America

Best Doctors in America 2011

Is a Cervical Collar after Anterior Cervical Fusion with Plating Necessary?

First Place Clinical Award Paper  
Cervical Spine Research Society, 2008

Improvement of Neurologic Deficits Following Anterior Cervical Spine Surgery

Top Ten Posters  
Cervical Spine Research Society, 2008

- Okagaki Teaching Award  
Department of Orthopedics & Rehabilitation University of Wisconsin  
June, 2007
- Return to Work Analysis of Patients Treated with an Artificial Cervical Disc  
Best Clinical Paper  
Spine Arthroplasty Society, May 2006
- Reoperation Rates for Cervical Arthroplasty vs. Arthrodesis  
Outstanding Clinical Research, Second Place Award  
Cervical Spine Research Society, 2005
- Efficiency of Non-Viral Gene Transfer in Human Disc Chondrocytes  
Second Place Poster  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, 2005
- The Arcuate Foramen: Implications for C1 Lateral Mass Screw Insertion  
Outstanding Clinical Research, First Place Award  
Cervical Spine Research Society, 2004
- What's New in Extremity and Spine Hardware?  
Magna cum Laude Poster  
Radiological Society of North America, 2004
- Wear Analysis of the Bryan Disc.  
Basic Science Award  
Cervical Spine Research Society, 2003
- Distinguished Alumnus Award, Wayne State University School of Medicine, 2002
- Graduation from Wayne State University School of Medicine, Detroit,  
with Highest Distinction, 1979
- Wayne State University, Detroit, Medical Alumni Senior Scholarship Award, 1979
- Mosby Scholarship Book Award, 1979
- Lange Medical Publications Award, 1979
- Merck Manual Book Award, 1979
- Alpha Omega Alpha, Honorary Medical Fraternity, 1977
- Tau Beta Pi, Honorary Engineering Fraternity, 1974

## **PROFESSIONAL ACTIVITIES/COMMITTEES**

### **National**

Chair, Own the Bone Steering Committee, American Orthopaedic Association, 2017- present

AAOS Biologics Committee, 2017 - present

AAOS Systematic Review: Management of Post-Operative Surgical Site Infections, 2015 – present

North American Spine Society Advocacy, 2014 – present

Own the Bone Steering Committee, American Orthopaedic Association, 2013- present

Association for Collaborative Spine Research, 2012 – present

ASTM F04.25 Spine, 2008 – present

Past President, Lumbar Spine Research Society, 2017- present

Co-Chair, ASTM F04.25 Spine, 2009 – present

President, Lumbar Spine Research Society, 2015- 2017

Vice Chair, Own the Bone Steering Committee, American Orthopaedic Association, 2016- 2017

SCOAP Research Committee, 2015 – present

North American Spine Foundation Research Committee, 2015 – present

Science Reviewer, Peer Reviewed Orthopaedic Research Program

US Army Medical Research and Materiel Command, Congressionally Directed Medical Research Programs, 2017

Co-Chair, Seattle Spine Foundation 4th Annual ONE Spine Masters Course, 2016

Chairman, AAOS Biomedical Engineering Committee, 2014 – 2016

Clinical Chair, ASTM F04, 2014 – 2016

Council on Research and Quality, AAOS, 2014 – 2016

Orthopedic Device Forum, 2013 - 2016

AAOS Biomedical Engineering Committee, 2008 – 2016

President-Elect, Lumbar Spine Research Society, 2013- 2015

Cochrane Back Group, 2012 - 2015

Co-Chair, Research Committee, Lumbar Spine Research Society, 2011 - 2013

Values Council in Spine Care, 2011 – 2013

Appropriateness Criteria Rater, North American Spine Society, 2012

Section on Spine Biologics and Research, North American Spine Society, 2008 – 2013  
Education Committee, International Society for Advancement of Spine Surgery, 2008–2012  
Spine Section CNS/AANS- Executive Committee, 2009 – 2011  
AAOS/ADA Committee, Guidelines on Antibiotic Prophylaxis for Bacteremia in Patients with Orthopaedic Implants, 2011  
Program Committee, International Society for Advancement of Spine Surgery, 2011  
Planning Committee, Cervical Spine Research Society, 2008 – 2011  
Communications Committee, Lumbar Spine Research Society, 2007 – 2009  
AO Spine Classification Group, 2006  
Professional Conduct and Ethics Committee, North American Spine Society, 2002 – 2008  
Spinal Cord Injury Committee, National Football League, 2007  
Spine Trauma Study Group, 2004 – present  
Program Committee, Spine Arthroplasty Society, 2007  
Chair, Research Project Management Committee, North American Spine Society, 2005 – 2007  
Multidisciplinary Patient Care Committee, North American Spine Society, 2005 – 2007  
Chair, Development Committee, Cervical Spine Research Society, 2002 – 2007  
Co-Chair, Spring Break: Evidence-Based Medicine. North American Spine Society  
Phoenix, AZ, March 22 - 25, 2006  
Co-Chair, Cervical Fixation: A Hands-On Course. North American Spine Society  
Rosemont, IL, January 21-22, 2005  
Surgical Care Committee, North American Spine Society, 2003 –2005  
Past-President, Cervical Spine Research Society, 2002-2003  
President, Cervical Spine Research Society, 2001-2002  
Contemporary Concepts Committee, North American Spine Society, 1999 - 2004  
President-Elect, Cervical Spine Research Society, 2000-2001  
Program Chair, Clinical Orthopaedic Society, 2001  
Spine Committee, American Academy of Orthopaedic Surgeons, 1999-2001  
Vice President, Cervical Spine Research Society, 1999-2000  
Treasurer, Cervical Spine Research Society, 1998-1999  
Local Chairman, Cervical Spine Research Society, 1999  
Course Chairman, Advanced Techniques in Spinal Surgery, American Academy of  
Orthopaedic Surgeons, 1994  
Chairman, AO/ASIF Spine Course, Davos, Switzerland, 1994



Subcommittee on Evaluation of Trauma, American Academy of Orthopaedic Surgeons, 1992-1996  
Exhibit Chairman, Cervical Spine Research Society, 1997, 1998  
Program Committee, Cervical Spine Research Society, 1992-1995  
Program Chairman, Cervical Spine Research Society, 1993  
Orthopaedic Research and Education Fund, 1992 - 1997  
Research Grant Committee, Orthopaedic Trauma Association, 1995  
Committee on Spine, American Spine and Injury Association, 1992-1994  
Vice Chairman of Spine, Summer Institute, American Academy of Orthopaedic Surgeons, 1992-1993  
Program Committee, Orthopaedic Trauma Association, 1989-1992  
Committee on Fracture Classification, Scoliosis Research Society, 1992

### **Local**

Local Coordinator, National Spine Network, 1999-2002  
Secretary-Treasurer, Western Orthopaedic Association, Puget Sound Chapter, 1999-2000  
President, Western Orthopaedic Association, Puget Sound Chapter, 1998  
President-Elect, Western Orthopaedic Association, Puget Sound Chapter, 1997  
Chairman, Program Committee, Puget Sound Spine Interest Group, 1998-1999; 1995-1996  
Treasurer, Puget Sound Spine Interest Group, 1994-1995  
AIDS Advisory Committee, University of Washington, 1991-1994  
Infection Control Committee, Harborview Medical Center, University of Washington, 1992-1994  
Chairman, Laboratory and Surgical Safety Committee, Department of Orthopaedics, University of Washington, 1992-1994  
Chairman, Medical Student Committee, Department of Orthopaedics, University of Washington, 1989-1991  
Co-Chair, Human Subject Research, Department of Orthopaedics, University of Washington, 1987-1989

## **EDITORIAL BOARDS AND REVIEWS**

Associate Editor, Neurosurgery, 2009 - present

Associate Editor, Journal of the International Society for Advancement of Spine Surgery, 2007 – present

Deputy Editor Journal of Bone and Joint Highlights, 2013

Associate Editor, Journal of the American Academy of Orthopaedic Surgeons, 1997 – 2007

Editorial Board Member, Spine, 1992 - present

Editorial Board Associate Member, Clinical Spine Surgery (*formerly Journal of Spinal Disorders and Techniques*), 2003 – present

Elite Reviewer, Journal of Bone and Joint Surgery, 2018 - present

Consultant Reviewer, Journal of Bone and Joint Surgery, 1992 - present

Associate Editorial Board Member, The Spine Journal, 2000 - present

Consultant Reviewer, Clinical Orthopaedics and Related Research, 1993 - present

Consultant Reviewer, Journal of Orthopaedic Trauma, 1992 - present

Editorial Board, Neuro-Orthopaedics, Member, 1995 – 2001

## **GRANT SUPPORT**

Exogen

“Clinical trial in interbody fusion of the lumbar spine”

Principal Investigator

Date of Award: January, 2010

Total Award: \$75,000

Cervical Spine Research Society Seed Starter Research and Education Grants

“Validation of Cervical Spine Surgery Simulation”

Principal Investigator

Date of Award: December, 2009

Total Award: \$29,000

Annulux

"Evaluation of X-Close Annular Repair"

Principal Investigator

Date of Award: October, 2007

Total Award: \$45,000

Medtronic

“Kinematic Analysis of Spinal Motion”

Co-Investigator

Date of Award: July, 2007

Total Award: \$85,000.

Radiological Society of North America Research Seed Grant  
“The Effect of Spinal Fusion on the Water Content and Mobility of the Adjacent Intervertebral Disks ("junctional disks") measured with Quantitative MR and Dynamic CT”  
Co-Investigator

Date of Award: May, 2006

Total Award: \$30,000

Cervical Spine Research Society  
“Neural Peptides *in vitro* Improve Metabolism and Proliferation of Disc Cartilage Cells”

Principal Investigator

Date of Award: December, 2005

Total Award: \$30,000

Orthopaedic Research Education Foundation

“Correlation of Microdiscectomy outcomes with Apolipoprotein E and Carboxyl – 0-MethylTransferase genotype”

Principal Investigator

Date of Award: March, 2005

Total Award: \$15,000

NIH STTR Phase I #1R41AR052542-01

"Spinal Fusion Using Adipose-Derived Adult Stem Cells"

Co-Investigator

Date of Award: October, 2005

Total award: \$100,000

Nuvasive

"Outcome of Triad Bone Graft"

Principal Investigator

Date of Award: January, 2005

Total Award: \$75,000

St. Francis Medical Technology

"Treatment of Spinal Stenosis with X-Stop"

Principal Investigator

Date of Award: June, 2004

Total Award: \$25,000

University of Wisconsin Orthopaedics Departmental Grant

“Non-Viral Gene Transfer in the Intervertebral Disc”

Co-Investigator

Dates of Award: February, 2003

Total Award: \$2,000

Medtronic Sofamor Danek  
“Occipito-Cervical Stabilization”  
Principal Investigator  
Dates of Award: 2003  
Total Award: \$25,000

North American Spine Society  
“Fatty Acid Mediated Transfection of Potentially Therapeutic Genes in Human  
Intervertebral Disc Chondrocytes”  
Principal Investigator  
Dates of Award: 2003  
Total Award: \$50,000

Center for Disease Control  
“Transient Changes in the Spinal Canal During Injury”  
Co-Investigator  
Dates of Award: 1993-1995  
Total Award: \$295,000

University of Washington Orthopaedics Departmental Grant  
“Study of the Stabilizing Properties of the Halo Apparatus for the Nonoperative  
Treatment of Cervical Spine Fractures”  
Principal Investigator  
Dates of Award: February 1991  
Total Award: \$5,000

Orthopaedic Research Education Foundation, #89-510  
“Biomechanics of Bone Retropulsed into the Canal in Spinal Fractures”  
Principal Investigator  
Dates of Award: 1989-1991  
Total Award: \$39,600

Pfizer  
“Comparison of Cefazolin and Cefoperazone in Open Fractures”  
Co- Investigator  
Dates of Award: 1988-1990  
Total Award: \$225,000

Orthopaedic Research Education Foundation #65-3582  
“Biomechanical Analysis of Anterior Cervical Plate Fixation”  
Principal Investigator  
Dates of Award: 1987-1988  
Total Award: \$25,100

**PRESENTATIONS – SCIENTIFIC MEETINGS****International**

1. **Anderson PA**, Miller S, Hansen ST. “Immediate Intramedullary Nailing in Open Femoral Shaft Fractures.” Societe Internationale de Chirurgie Orthopaedique et de Traumatologie (SICOT), World Congress Meeting, Munich West Germany, October, 1987.
2. **Anderson PA**, Budorick TE, Henley MB, Easton K, Saliccioli GG. “Failure of Halo-Vest to Prevent In-Vivo Motion in Patients with Injured Cervical Spines.” Orthopaedic Trauma Association 6th Annual Meeting, Toronto, Canada, November 7-10, 1990.
3. Krengel WF, **Anderson PA**, Henley MB: “Neurologic Recovery in Patients with Incomplete Paraplegia Due to Thoracic Level Spinal Cord Injury.” Orthopaedic Trauma Association 6th Annual Meeting, Toronto, Canada, November 7-10, 1990.
4. **Anderson PA**. “Cervical Spine Fusion Using AO Reconstruction Plates.” American Spinal Injury Association 18th Annual Meeting, Toronto, Canada, May 10, 1992.
5. **Anderson PA**. “Posterior Stabilization of the Cervical Spine.” London Spine Symposium 1992, London, England, September 1-4, 1992.
6. **Anderson PA**. “Results of Surgical Treatment of Cervical Spine Injuries.” XXIII Congreso del Cincuentenario de La Sociedad Mexicana de Ortopedia, Mexico City, Mexico, May 1, 1996.
7. **Anderson PA**. “Treatment of Thoracolumbar Fractures.” XXIII Congreso del Cincuentenario de La Sociedad Mexicana de Ortopedia, Mexico City, Mexico, May 1, 1996.
8. **Anderson PA**. “Treatment of Acute Spinal Cord Injury.” XXIII Congreso del Cincuentenario de La Sociedad Mexicana de Ortopedia, Mexico City, Mexico, May 1, 1996
9. **Anderson PA**. “Mechanism of Spinal Cord Injury.” XXIII Congreso del Cincuentenario de La Sociedad Mexicana de Ortopedia, Mexico City, Mexico, May 1, 1996.
10. **Anderson PA**, Hacker RJ, Cauthen JC, Gilbert TJ, Griffith SL “A Prospective Randomized Clinical Evaluation of the BAK Anterior Cervical Fusion Cage.” Cervical Spine Research Society European Section, London, England, June 23, 2000.
11. **Anderson PA**. “Evaluation of the Inflammatory Response to the Bryan Cervical Disc Prosthesis in a Caprine Model.” Cervical Spine Research Society European Section XVIII Annual Meeting, Paris, France, June 14, 2002.
12. **Anderson PA**. “The Future of the Cervical Spine.” Presidential Address Cervical Spine Research Society European Section XVIII Annual Meeting, Paris, France, June 14, 2002.
13. **Anderson PA**. “Occipito-Cervical Injuries.” World Spine II, Chicago, IL, August 10, 2003.
14. Heller J, **Anderson PA**, Rouleau J. "Pre-Clinical Analysis of a Cervical Disc Prosthesis." Spine Arthroplasty Society. Vienna, Austria, May 6, 2004.

15. **Anderson PA**, Kitchel S. "The Effect of Spondylolisthesis on the Outcomes of Lumbar Neurogenic Intermittent Claudication Patients Treated With Interspinous Process Decompression (IPD). Spine Arthroplasty Society. New York, NY, May 7, 2005.
16. **Anderson PA**. "The Effect of Spondylolisthesis on the Outcomes of Lumbar Neurogenic Intermittent Claudication Patients Treated with Interspinous Process Decompression (IPD)." The International Society for the Study of the Lumbar Spine. New York, NY, May 12, 2005.
17. Vaccaro AR, Zeiller SC, Hulbert J, **Anderson PA**, et al. "The Thoracolumbar Injury Severity Scale." The International Society for the Study of the Lumbar Spine. New York, NY, May 12, 2005.
18. **Anderson PA**, Sasso RC, Riew KD. "Reoperation Rates for Cervical Arthroplasty vs. Arthrodesis." Spine Arthroplasty Society. Montreal, Quebec, Canada, May 11, 2006.
19. **Anderson PA**, Traynelis V, Sasso RC, Heller J. "Return to Work Analysis of Patients Treated with an Artificial Cervical Disc or an Arthrodesis." Spine Arthroplasty Society. Montreal, Quebec, Canada, May 11, 2006.
20. **Anderson PA**, Resnick D, Steinmetz M, Traynelis V. "Results of Disc Arthroplasty Compared to Arthrodesis in Workers Compensation Patients." Spine Arthroplasty Society. Montreal, Quebec, Canada, May 11, 2006.
21. Riew KD, Metcalf NH, Sasso RC, **Anderson PA**. "Cervical Disc Arthroplasty for Myelopathy." Spine Arthroplasty Society. Montreal, Quebec, Canada, May 11, 2006.
22. **Anderson PA**, Sasso RC, Heller JG, Hacker R. "Artificial Disc versus Fusion for the Treatment of Degenerative Cervical Disc Disease: A Prospective Randomized Study." European Cervical Spine Research Society. Berlin, Germany, May 18, 2006.
23. **Anderson PA**, Traynelis V, Ackerman SJ, Ross D. "Economic Analysis of Artificial Cervical Disc Replacement versus Anterior Cervical Fusion Surgery in the Non-Elderly: Impact on Hospital and Societal Costs." European Cervical Spine Research Society. Berlin, Germany, May 19, 2006.
24. **Anderson PA**, Vanderby R, Heiderscheid B. "Measurement of Total Daily Neck Motion." European Cervical Spine Research Society. Leuven, Belgium, May 30, 2007.
25. **Anderson PA**. "Material and Design Characteristics of Disc Prostheses and Their Possible Clinical Impact." European Cervical Spine Research Society. Leuven, Belgium, May 30, 2007.
26. Heller JG, Sasso RC, **Anderson PA**, Papadopoulos SM, Fessler RG, Hacker RJ, Riew KD, Cauthen JC. "Bryan Cervical Disc Replacement: Results of the United States Prospective Randomized Clinical Trial v. Anterior Cervical Discectomy and Fusion." European Cervical Spine Research Society Geneva, Switzerland, May 27, 2008.
27. **Anderson PA**. "Atlas Fractures." European Cervical Spine Research Society Geneva, Switzerland, May 26, 2008.
28. **Anderson PA**, Sasso RC, Riew DK. "Comparison of adverse events between the Bryan artificial cervical disc and anterior cervical arthrodesis." Spine Arthroplasty Society, Miami, FL, May 7, 2008.

29. **Anderson PA**, Riew DK, Sasso RC. "Re-operations of Cervical Arthroplasty Compared to Fusion." Spine Arthroplasty Society, Miami, FL, May 7, 2008.
30. **Anderson PA**. "What are the Differences Between Types of Disc Replacements?" Spine Arthroplasty Society, London, England, April 30, 2009.
31. **Anderson PA**. "Randomised Controlled Trials of Surgical Treatment for Lumbar Disc Herniation: A Critical Analysis." 2010 Annual Scientific Meeting of the Spine Society of Australia. Christchurch, New Zealand, April 9, 2010.
32. **Anderson PA**. "Basic Science of Disc Arthroplasty." 2010 Annual Scientific Meeting of the Spine Society of Australia. Christchurch, New Zealand, April 10, 2010.
33. **Anderson PA**. "Clinical Results and Comparative Effectiveness of Cervical Disc Arthroplasty." 2010 Annual Scientific Meeting of the Spine Society of Australia. Christchurch, New Zealand, April 10, 2010.
34. **Anderson PA**. "Basic Science of Motion Sparing Technology." Brazil Spine Society. Belo Horizonte, Brazil, May 20 -22, 2010.
35. **Anderson PA**. "Asymptomatic Cord Compression How to Treat?" Brazil Spine Society. Belo Horizonte, Brazil, May 20 -22, 2010.
36. **Anderson PA**. "Pitfalls in Revision Cervical Spine Surgery." Brazil Spine Society. Belo Horizonte, Brazil, May 20 -22, 2010.
37. **Anderson PA**. "Responsible Adoption of New Technology." Brazil Spine Society. Belo Horizonte, Brazil, May 20 -22, 2010.
38. **Anderson PA**, Tontz WL, Froysteter A. "Meta-analysis of Vertebroplasty Compared to Conservative Treatment." Spine Week European Cervical Spine Research Society, Amsterdam, Netherlands, May 28, 2012.
39. Carreon L, **Anderson PA**, Traynelis V, Mummaneni P, Glassman S. "Cost Effectiveness of Single-Level Anterior Cervical Discectomy and Fusion Five Years After Surgery." 19th International Meeting on Advanced Spine Techniques (IMAST), Turkey, July 19, 2012.

**PRESENTATIONS – SCIENTIFIC MEETINGS****National**

1. **Anderson PA**, LaMont RL. “Acute Hematogenous Osteomyelitis.” American Academy of Orthopaedic Surgeons 52nd Annual Meeting, Las Vegas, NV, January 1985.
2. **Anderson PA**, Bohlman HH. “Anterior Decompression for Traumatic Quadriplegia.” American Academy of Orthopaedic Surgeons 53rd Annual Meeting, New Orleans, LA, February 1986.
3. **Anderson PA**, Wilber G, Bohlman HH. “Epidural Hematoma Complicating Lumbar Surgery.” American Academy of Orthopaedic Surgeons 54th Annual Meeting, San Francisco, CA, January 1987.
4. **Anderson PA**, Miller S, Hansen ST. “The Role of Bone Grafting in Open Tibia Fractures.” American Academy of Orthopaedic Surgeons 54th Annual Meeting, San Francisco, CA, January 1987.
5. **Anderson PA**. “Occipital Cervical Instability Associated with Transverse Ligament Tear of the Atlas.” Cervical Spine Research Society Meeting, Washington, DC, December 3-5, 1987.
6. **Anderson PA**, Loahprasit V, Stimac G. “Comparison of Myelography and CT Myelography in Spinal Trauma.” Cervical Spine Research Society Meeting, Washington, DC, December 3-5, 1987.
7. **Anderson PA**, Montesano PX. “Morphology and Treatment of Occipital Condyle Fractures.” Cervical Spine Research Society Meeting, Washington, DC, December 3-5, 1987.
8. **Anderson PA**. “Treating Large Open Joints; Elbow and Ankle.” American Burn Association Annual Meeting, Seattle, WA, March 24, 1988.
9. **Anderson PA**. “Orthopaedic Management of the Osteoporotic Spine.” Congress of Neurological Surgeons Annual Meeting, Seattle, WA, September 28, 1988.
10. Crutcher J, **Anderson PA**, King H. “CT Evaluation of Thoracolumbar Burst Fractures.” Orthopaedic Trauma Association 4th Annual Meeting, Dallas, TX, October 27-29, 1988.
11. **Anderson PA**, Kaehr D, Benca P, Mayo KA, Benirschke SK. “Classification of Sacral Fractures.” Orthopaedic Trauma Association 4th Annual Meeting, Dallas, TX, October 27-29, 1988.
12. **Anderson PA**, Henley MB. “Flexion Distraction and Chance Thoracolumbar Spine Fractures.” Orthopaedic Trauma Association 4th Annual Meeting, Dallas, TX, October 27-29, 1988.
13. **Anderson PA**, Henley MB, Grady MS. “Posterior Cervical Plating Using AO Reconstruction Plates.” Orthopaedic Trauma Association 5th Annual Meeting, Philadelphia, PA, October 18-21, 1989.



14. **Anderson PA**, Henley MB. "Progressive Neurological Deficit in Spinal Injured Patients at a Level I Trauma Center." Orthopaedic Trauma Association 5th Annual Meeting, Philadelphia, PA, October 18-21, 1989.
15. Schlehr F, Montesano PX, **Anderson PA**, Thalgott J. "The Operative Management of Type II Odontoid Fractures Using Internal Fixation." Cervical Spine Research Society 17th Annual Meeting, New Orleans, LA, December 5-9, 1989.
16. **Anderson PA**, Tencer AF, Copenhaver J. "The Effect of Local Release Sodium Fluoride on the Formation of Bone." Orthopaedic Research Society 36th Annual Meeting, New Orleans, LA, February 5-7, 1990.
17. **Anderson PA**. "Panel Discussion of Thoracolumbar Fractures." American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, LA, February 8-13, 1990.
18. Crutcher J, **Anderson PA**, Montesano PX, King HA. "Indirect Spinal Canal Decompression in Thoracolumbar Burst Fractures Treated with Posterior Distraction Rods." American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, LA, February 8-13, 1990.
19. **Anderson PA**, Krengel WF, Henley MB. "Neurologic Recovery in Patients with Incomplete Paraplegia due to Thoracic Level Spinal Cord Injury." American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, LA, February 8-13, 1990.
20. **Anderson PA**, Henley MB. "Progressive Neurologic Deficit in Spinal Injured Patients at a Level I Trauma Center." American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, LA, February 8-13, 1990.
21. **Anderson PA**, Henley MB, Grady MS, Montesano PX, Winn HR. "Posterior Cervical Arthrodesis Using AO Reconstruction Plates and Iliac Bone Graft." American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, LA, February 8-13, 1990.
22. **Anderson PA**. "Progressive Neurologic Deficit in Spinal Injured Patients at a Level I Trauma Center." American Spinal Injury Association Annual Meeting, Orlando, FL, May 3-5, 1990.
23. **Anderson PA**. "Neurologic Recovery in Patients with Incomplete Paraplegia Due to Thoracic Level Spinal Cord Injury." American Spinal Injury Association Annual Meeting, Orlando, FL, May 3-5, 1990.
24. **Anderson PA**, Budorick TE, Saliccioli GG, Easton K. "Failure of Halo-Vest to Prevent In-Vivo Motion in Patients with Injured Cervical Spines." Cervical Spine Research Society 18th Annual Meeting, San Antonio, TX, November 28-December 1, 1990.
25. **Anderson PA**, Henley MB, Grady MS, Montesano PX, Winn HR. "Reconstruction Plates and Iliac Bone Graft." Cervical Spine Research Society 18th Annual Meeting, San Antonio, TX, November 28-December 1, 1990.
26. **Anderson PA**. "Injuries to the Upper Cervical Spine." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, CA, March 8-13, 1991.
27. **Anderson PA**. "Thoracolumbar Fractures. Instructional Course Lecture." American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, CA, March 8-13, 1991.

28. **Anderson PA.** "Symposium: Posterior Cervical Plate Fixation." American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, CA, March 8-13, 1991.
29. **Anderson PA.** "Symposium: Cervical Spine Fractures." American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, CA, March 8-13, 1991.
30. **Anderson PA.** "Management of Cervical Disorders: Traumatic vs. Degenerative-Surgical Management-Traumatic." Nursing and Allied Health Program of the American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, CA, March 8-13, 1991.
31. **Anderson PA,** Budorick TE, Easton KJ, Henley MB, Saliccioli GG. "Failure of Halo-Vest to Prevent In-Vivo Motion in Patients with Injured Cervical Spines." American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, CA, March 8-13, 1991.
32. **Anderson PA.** "Posterior Cervical Plate Fixation." American Spinal Injury Association 17th Annual Meeting, Seattle, WA, April 8-11, 1991.
33. **Anderson PA,** Abdu W, Bohlman HH, Mayo KA. "Sacral Decompression for Treatment of Neurologic Compression Following Sacral Fracture." Orthopaedic Trauma Association 7th Annual Meeting, Seattle, WA, October 31-November 2, 1991.
34. **Anderson PA,** Rivara FP, Maier RV, Drake C. "The Epidemiology of Seatbelt-Associated Injuries." Orthopaedic Trauma Association 7th Annual Meeting, Seattle, WA, October 31-November 2, 1991.
35. Tencer AF, **Anderson PA,** Harrington RM, Budorick TE, Hoyt JS. "Indirect Reduction of Bone in the Spinal Canal." Orthopaedic Trauma Association 7th Annual Meeting, Seattle, WA, October 31-November 2, 1991.
36. **Anderson PA.** "Posterior Cervical Arthrodesis Using AO Reconstruction Plates." Instructional Course Lecture, Cervical Spine Research Society 19th Annual Meeting, Philadelphia, PA, December 3-6, 1991.
37. Kregel WF III, **Anderson PA,** Yuan H, Bayley J. "Early Versus Delayed Stabilization After Cervical Spinal Cord Injury." Cervical Spine Research Society 19th Annual Meeting, Philadelphia, PA, December 3-6, 1991.
38. **Anderson PA,** Robinson L, Slimp J, Chapman JR. The Efficacy of Intraoperative Femoral Nerve Somatosensory Evoked Potentials (SEP) During Surgical Treatment of Thoracolumbar Fractures." American Academy of Orthopaedic Surgeons 59th Annual Meeting, Washington, DC, February 20-25, 1992.
39. **Anderson PA,** Rivara FP, Maier RV, Drake C. "The Epidemiology of Seatbelt-Associated Injuries." American Academy of Orthopaedic Surgeons 59th Annual Meeting, Washington, DC, February 20-25, 1992.
40. **Anderson PA,** Abdu W, Bohlman HH, Mayo KA, Montesano PX. "Sacral Decompression for Treatment of Neurologic Compression Following Sacral Fracture." American Academy of Orthopaedic Surgeons 59th Annual Meeting, Washington, DC, February 20-25, 1992.

41. Kregel WF III, **Anderson PA**, Yuan H, Bayley J. "Early Versus Delayed Stabilization After Cervical Spinal Cord Injury." American Academy of Orthopaedic Surgeons 59th Annual Meeting, Washington, DC, February 20-25, 1992.
42. **Anderson PA**, McAfee PC, Levine A. "Surgical Technique of Thoracolumbar Fixation." Instructional Course Lecture - Surgical Skills Demonstration, American Academy of Orthopaedic Surgeons 59th Annual Meeting, Washington, DC, February 20-25, 1992.
43. **Anderson PA**. "Late Surgery for Cervical Spine Fractures." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 59th Annual Meeting, Washington, DC, February 20-25, 1992.
44. **Anderson PA**. "Posterior Instrumentation for Spinal Trauma Symposium." Federation of Spinal Associations 5th Annual Specialty Day, Washington, DC, February 23, 1992.
45. **Anderson PA**, Henley MB, Grady MS, Montesano PX, Winn HR. "Posterior Cervical Fusion Using AO Reconstruction Plates and Iliac Bone Graft." Federation of Spine Associations 5th Annual Specialty Day, Washington, DC, February 23, 1992.
46. **Anderson PA**. "Posterior Decompression and Stabilization of the Cervical Spine." 17th Annual Summer Institute, American Academy of Orthopaedic Surgeons, Seattle, WA, September 19-23, 1992.
47. **Anderson PA**, Dellinger E, Draper S, Wertz M. "The Efficacy of Increased Gram Negative Coverage in the Management of Severe Open Fractures." Orthopedic Trauma Association 8th Annual Meeting, Minneapolis, MN, October 1-3, 1992.
48. Chang D, Tencer A, Senft D, Triage B, **Anderson PA**. "Transient Changes in the Spinal Canal Geometry During Cervical Spine Fracture." Orthopaedic Trauma Association 8th Annual Meeting, Minneapolis, MN, October 1-3, 1992.
49. **Anderson PA**, Kregel W, Bailey JA, Yuan H, Grady MS. "Early Versus Delayed Stabilization After Cervical Spinal Cord Injury." Orthopedic Trauma Association 8th Annual Meeting, Minneapolis, MN, October 1-3, 1992.
50. **Anderson PA**, Kregel WK. "Early vs. Delayed Stabilization after Cervical Spinal Cord Injury." Federation of Spine Associations 6th Annual Specialty Day, San Francisco, CA, February 21, 1993.
51. **Anderson PA**. "Plate Fixation of the Cervical Spine." Federation of Spine Associations 6th Annual Specialty Day, San Francisco, CA, February 21, 1993.
52. **Anderson PA**. "Non-Operative Treatment of Thoracolumbar Fractures." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 60th Annual Meeting, San Francisco, CA, February 17-23, 1993.
53. **Anderson PA**. "Management of Spinal Cord Injuries." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 60th Annual Meeting, San Francisco, CA, February 17-23, 1993.
54. **Anderson PA**. "Surgical Treatment of Chronic Neck Pain." 18th Annual Summer Institute, American Academy of Orthopaedic Surgeons, New York, NY, September 8-9, 1993.
55. **Anderson PA**. "Injury to the Lumbar Spine." 18th Annual Summer Institute, American Academy of Orthopaedic Surgeons, New York, NY, September 8-9, 1993.

56. Mirza S, Moquin R, **Anderson PA**, Tencer AF, Steinmann J, Varnau D. "Stabilizing Properties of the Halo Vest." Cervical Spine Research Society 23rd Annual Meeting, New York, NY, December 1-4, 1993.
57. **Anderson PA**, Jonsson H, Rauschnig W, King HA. "Traumatic Rupture of the Transverse Ligament Associated with Occipital Cervical Instability." Cervical Spine Research Society 23rd Annual Meeting, New York, NY, December 1-4, 1993.
58. **Anderson PA**. "Non-Operative Treatment of Thoracolumbar Fractures." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orleans, LA, February 24-March 1, 1994.
59. **Anderson PA**. "Emergent Treatment of Thoracolumbar Fractures." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orleans, LA, February 24-March 1, 1994.
60. **Anderson PA**. "Internal Fixation of the Cervical Spine." Controversies in Spine Surgery, American Academy of Orthopaedic Surgeons, Portland, Ore, September 21, 1994.
61. Chapman JR, **Anderson PA**, Pepin C, Grady S, Henley MB. "Plate Fixation of the Unstable Cervico-Thoracic Spine." Orthopaedic Trauma Association 10th Annual Meeting, Los Angeles, CA, September 22-24, 1994.
62. **Anderson PA**. "Live Demonstration - C1-C2 Fixation with Magerl Screws." Cervical Spine Research Society 22nd Annual Meeting, Baltimore, MD, November 30-December 2, 1994.
63. **Anderson PA**. "Lower Cervical Spine Injuries." Cervical Spine Research Society 22nd Annual Meeting, Baltimore, MD, November 30-December 2, 1994.
64. **Anderson PA**. "Cervicothoracic Plate Fixation." Cervical Spine Research Society 22nd Annual Meeting, Baltimore, MD, November 30-December 2, 1994.
65. **Anderson PA**. "The Management of Cervical Fractures with the Morscher Plate." Cervical Spine Research Society 22nd Annual Meeting, Baltimore, MD, November 30-December 2, 1994.
66. **Anderson PA**. "Non-Operative Treatment of Thoracolumbar Fractures." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 62nd Annual Meeting, Orlando, FL, February 16-21, 1995.
67. **Anderson PA**. "Emergent Treatment of Thoracolumbar Fractures." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 62nd Annual Meeting, Orlando, FL, February 16-21, 1995.
68. Chapman JR, **Anderson PA**. "Cervicothoracic Plate Fixation." American Academy of Orthopaedic Surgeons 62nd Annual Meeting, Orlando, FL, February 16-21, 1995.
69. **Anderson PA**, Chapman JR. "Failure of the Kaneda Device in Management of Thoracolumbar Fractures." American Academy of Orthopaedic Surgeons 62nd Annual Meeting, Orlando, FL, February 16-21, 1995.
70. **Anderson PA**. "Lumbar Spine Stenosis." Live Demonstration, American Academy of Orthopaedic Surgeons 62nd Annual Meeting, Orlando, FL, February 16-21, 1995.

71. **Anderson PA.** "Complications of Spinal Trauma." Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, San Francisco, CA, April 5-8, 1995.
72. **Anderson PA.** "Upper Cervical Injuries." Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, San Francisco, CA, April 5-8, 1995.
73. **Anderson PA.** "Rheumatoid Arthritis." Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, San Francisco, CA, April 5-8, 1995.
74. **Anderson PA.** "Spinal Stenosis: Decompression and Fusion." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 63rd Annual Meeting, Atlanta, GA, February 22-26, 1996.
75. **Anderson PA.** "Thoracolumbar Fractures." Instructional Course Lecture, American Academy of Orthopaedic Surgeons 63rd Annual Meeting, Atlanta, GA, February 22-26, 1996.
76. **Anderson PA.** "The Charcot Spine - Testing the Limits of Reconstruction." Orthopaedic Trauma Association Specialty Day, Atlanta, GA, February 25, 1996.
77. **Anderson PA.** "Complications of Surgery in Spine Trauma." Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, Washington, DC, April 25-27, 1996.
78. **Anderson PA.** "Upper Cervical Spine Fractures." Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, Washington, DC, April 25-27, 1996.
79. **Anderson PA.** "Rheumatoid Arthritis of the Cervical Spine." Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, Washington, DC, April 25-27, 1996.
80. **Anderson PA.** "Principles of Anterior Surgery for Thoraco-Lumbar Trauma." Orthopaedic Trauma Association 1996 Residents' Basic Fracture Course, Boston, Mass, September 28, 1996.
81. **Anderson PA.** "Lower Cervical Spine Injury." Orthopaedic Trauma Association 1996 Residents' Basic Fracture Course, Boston, Mass, September 28, 1996.
82. **Anderson PA.** "Combined Posterior and Anterior Surgery of the Cervical Spine." Cervical Spine Research Society Fifth Instructional Course, Palm Beach, FL, December 8, 1996.
83. **Anderson PA.** "Subaxial Spine Trauma: Diagnosis, Classification and Treatment." American Osteopathic Academy of Orthopedics, Atlanta, GA, September 22, 1997.
84. **Anderson PA.** "Stabilization of the Spine: Closed and Operative Techniques." American Osteopathic Academy of Orthopedics, Atlanta, GA, September 22, 1997.
85. Delamarter RB, Rauschnig, **Anderson PA.** "Treatment of Upper Cervical Spine Injuries." Instructional Course Lectures, American Academy of Orthopaedic Surgeons, Atlanta, GA, March 23, 1998.

86. Levine, AM, **Anderson PA**. "Controversies of Musculoskeletal Trauma: One View is Adequate to Clear the Cervical Spine?" Orthopaedic Trauma Association Specialty Day, Atlanta, GA, March 22, 1998.
87. **Anderson PA**. "Lumbar Discography - Science or Religion?" Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, Chicago, IL, May 2, 1998.
88. **Anderson PA**. "Anatomy of Facet Joints." Debating Complex Issues in Spine Surgery, American Academy of Orthopaedic Surgeons, Chicago, IL, May 2, 1998.
89. **Anderson PA**. "Management of Lower Cervical Spine Injuries." Orthopaedic Trauma Association Residents' Course, Vancouver, WA, October 8, 1998.
90. **Anderson PA**. "Management of Lower Cervical Spine Injuries." Contemporary Issues in Advanced Spine Surgery, Chicago, IL, November 1998.
91. **Anderson PA**. "Spine Fractures." Review & Update for Practicing Orthopaedic Surgeons, American Academy of Orthopaedic Surgeons, San Francisco, CA, December 5, 1998.
92. Delamarter RB, Rauschnig, **Anderson PA**. "Treatment of Upper Cervical Spine Injuries." Instructional Course Lectures, American Academy of Orthopaedic Surgeons, Anaheim, CA, February 5, 1999.
93. **Anderson PA**, Garfin SR, Zdeblick TA, Herkowitz HN. "Cervical and Lumbar Spinal Disc Degeneration." Instructional Course Lectures, American Academy of Orthopaedic Surgeons, Anaheim, CA, February 5, 1999.
94. **Anderson PA**. "Transarticular C1-2 Screws for Symposium: Techniques of Fusion for C1-2 Instability." Contemporary Issues in Spine Surgery Surgeons, American Academy of Orthopaedic Surgeons, Sarasota, FL, March 5, 1999.
95. **Anderson PA**. "Diagnosis: Source of Pain for Symposium: Role of Lumbar Fusion for Axial Pain." Contemporary Issues in Spine Surgery Surgeons, American Academy of Orthopaedic Surgeons, Sarasota, FL, March 5, 1999.
96. **Anderson PA**. "Posterior Approaches for Treatment of Cervical Radiculopathy." Contemporary Issues in Spine Surgery Surgeons, American Academy of Orthopaedic Surgeons, Sarasota, FL, March 6, 1999.
97. **Anderson PA**. "Return to Play." American Society of Sports Medicine, Seattle, WA, June 3, 1999.
98. Delamarter RB, **Anderson PA**. "Treatment of Upper Cervical Spine Injuries." Instructional Course Lectures, American Academy of Orthopaedic Surgeons, Orlando, FL, March, 2000.
99. **Anderson PA**, Garfin SR, Zdeblick TA, Herkowitz HN. "Diagnosis and Non-Operative Treatment of Discogenic Low Back Pain." Instructional Course Lectures, American Academy of Orthopaedic Surgeons, Orlando, FL, March 2000.
100. **Anderson PA**. "Etiology and Treatment of Kyphotic Deformities of the Cervical Spine." Cervical Spine Research Society Instructional Course, Charleston, SC, December 2000.

101. **Anderson PA.** "Spine Trauma." American Academy of Orthopaedic Surgeons Review & Update. Washington, DC, December 2000.
102. **Anderson PA.** "Cervical Spine." American Academy of Orthopaedic Surgeons Review & Update, Washington, DC, December 2000.
103. **Anderson PA.** "Diagnosis and Non-Operative Treatment of Discogenic Low Back Pain." American Academy of Orthopaedic Surgeons Instructional Course Lecture San Francisco, CA, March 2001.
104. **Anderson PA.** "Upper Cervical Injuries." American Academy of Orthopaedic Surgeons Instructional Course Lecture San Francisco, CA, March 2001.
105. **Anderson PA.** "Diagnosis and Management of Head and Neck Injuries in Athletes." American Academy of Orthopaedic Surgeons Symposium. San Francisco, CA, March 2001.
106. **Anderson PA.** "Anterior Lumbar Interbody Fusion: Laparoscopic vs. Mini-Open Techniques." American Academy of Orthopaedic Surgeons Current Strategies in Spine Surgery. Charleston, SC, May 2001.
107. **Anderson PA.** "Operative vs. Non-Operative Treatment of Thoracolumbar Fractures." American Academy of Orthopaedic Surgeons Current Strategies in Spine Surgery. Charleston, SC, May 2001.
108. **Anderson PA.** "Cervical Ligamentous Injuries: Anterior vs. Posterior Surgical Treatment." American Academy of Orthopaedic Surgeons Current Strategies in Spine Surgery. Charleston, SC, May 2001.
109. **Anderson PA.** "Anterior Fusion for Low Back Pain." Clinical Orthopedic Society, Seattle, WA, October 2001.
110. **Anderson PA.** "Kyphoplasty." Clinical Orthopedic Society, Seattle, WA, October 2001.
111. **Anderson PA.** "Diagnosis and Non-Operative Treatment of Discogenic Low Back Pain." American Academy of Orthopaedic Surgeons Instructional Course Lecture, Dallas, TX, February 2002.
112. **Anderson PA.** "The Future of the Cervical Spine." 30th Annual Meeting Cervical Spine Research Society, Miami, FL, December 5, 2002.
113. **Anderson PA.** "Symposium Athletic Head and Neck Injuries: Mechanism of Injury/Radiographic Imaging." 30th Annual Meeting Cervical Spine Research Society, Miami, FL, December 5, 2002.
114. **Anderson PA.** "Athletic Head and Neck Injuries Debate: Cervical Stenosis: No - Don't Play." Cervical Spine Research Society, 30th Annual Meeting, Miami, FL, December 5, 2002.
115. **Anderson PA.** "Athletic Head and Neck Injuries Debate: Cervical Stenosis: No - Don't Play." Federation of Spine Associations, New Orleans, LA, February 8, 2003.
116. **Anderson PA.** "Athletic Head and Neck Injuries Mechanism of Injury/Radiographic Imaging." Federation of Spine Associations, New Orleans, LA, February 8, 2003.
117. **Anderson PA.** "Rationale and Basic Science of Disc Arthroplasty." 18th Annual Meeting North American Spine Society, San Diego, CA, October 21, 2003.

118. **Anderson PA.** "Atlanto-Axial Stabilization." 18th Annual Meeting North American Spine Society, San Diego, CA, October 21, 2003.
119. **Anderson PA.** "Wear Analysis of the Bryan Cervical Disc Prosthesis." 31st Annual Meeting Cervical Spine Research Society, Scottsdale, AZ, December 12, 2003.
120. Rouleau J, **Anderson PA.** "Wear Analysis of the Bryan Disc." Orthopaedic Research Society, San Francisco, CA, March 10, 2004.
121. **Anderson PA.** "Lumbar Disc Degeneration-Treatment Options." 71st Annual Meeting of the American Academy of Orthopaedic Surgeons Instructional Course Lecture. San Francisco, CA, March 10-13, 2004.
122. **Anderson, PA.** Basic Investigation of the Bryan Cervical Disc Prosthesis. Federation of Spine Associations. 71st Annual Meeting of the American Academy of Orthopaedic Surgeons. San Francisco, CA, March 10-13, 2004.
123. **Anderson PA.** "Wear Properties of Disc Replacements." Federation of Spine Associations, San Francisco, CA, March 13, 2004.
124. **Anderson, PA.** Rouleau JP, Dace M, Papadopoulos S. "Artificial Disc Prostheses: A Comparison of Simulator Tested and Retrieved Devices." 20th Annual Meeting of the American Association of Neurological Surgeons/Congress of Neurological Surgery Section on Disorders of the Spine and Peripheral Nerves. San Diego, CA. March 18, 2004.
125. Druzinsk K, **Anderson PA,** Resnick DJ, Choi. Diagnosis of atlanto-occipital dislocation. 20th Annual Meeting of the American Association of Neurological Surgeons/Congress of Neurological Surgery Section on Disorders of the Spine and Peripheral Nerves. San Diego, CA. March 18, 2004.
126. **Anderson, PA.** "Debate: Treatment of Cervical Facet Fractures" American Spinal Injury Association. Denver, CO. May 15, 2004.
127. **Anderson PA,** Rouleau JP, Bryan VE, Carlson CS. "Wear Analysis of the Bryan Cervical Disc Prosthesis." 117th Annual Meeting The American Orthopaedic Association, Boston, MA, June 26, 2004.
128. **Anderson PA.** "Debate: Lumbar Fusion." Symposium: Low Back Pain II: An Evidence Based Approach to Treatment: Specific Treatments on Precise Diagnosis. 19th Annual Meeting North American Spine Society, Chicago, IL, October 29, 2004.
129. Albert TJ, Skolasky RL, Apfelbaum RI, **Anderson PA,** Herkowitz HN, Epstein N, Riley LH. "Fusion Rates Following Anterior Cervical Decompression and Fusion: A Prospective, Multi-center Study to Investigate Predictive Factors of Positive Clinical Outcome." Cervical Spine Research Society Thirty-second Annual Meeting, Boston, MA, December 9, 2004.
130. Young J, Young PH, **Anderson PA,** Riew DK. "The Ponticulus Posticus: Implications for C1 Lateral Mass Screw Insertion." Cervical Spine Research Society Thirty-second Annual Meeting, Boston, MA, December 10, 2004.
131. **Anderson PA,** Jensen WK, Rouleau JP. "Bone Ingrowth in Retrieved Bryan Cervical Disc Prostheses." Cervical Spine Research Society Thirty-second Annual Meeting, Boston, MA, December 11, 2004.



132. **Anderson, PA.** "Anterior Approach to the Cervical Spine." 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons. Washington, DC, February 24, 2005.
133. **Anderson, PA.** "Modern Techniques in Cervical Spine Surgery." 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons. Washington, DC, February 25, 2005.
134. **Anderson, PA.** "Debate: Cervical Arthroplasty vs. Fusion." Federation of Spine Associations. 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons. Washington, DC, February 26, 2005
135. **Anderson PA.** "Bone Ingrowth in Retrieved Bryan Cervical Disc Prostheses: Primate and Human Data." 2005 Annual Meeting American Association of Neurological Surgeons / CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 10, 2005.
136. Jensen WK, **Anderson PA.** "Bone Ingrowth in Retrieved Bryan Cervical Disc Prostheses: Primate and Human Data." Mid-America Orthopaedic Association Twenty-Third Annual Meeting, Amelia Island, FL, April 21, 2005.
137. **Anderson PA,** Riew DK, Sasso RC. "Re-operation Rates for Cervical Disc vs. Arthrodesis." 20th Annual Meeting North American Spine Society, Philadelphia, PA, Sept 28-30, 2005.
138. **Anderson PA.** "What is Usual Non-Operative Care?" 20th Annual Meeting North American Spine Society, Philadelphia, PA, Sept 28-30, 2005.
139. **Anderson PA.** "Chronic Low Back Pain: Fusion, Non-operative and Opioids." 20th Annual Meeting North American Spine Society, Philadelphia, PA, Sept 28-30, 2005.
140. **Anderson PA,** Kitchel S., Tribus C. "The Effect of Spondylolysis on the Outcomes of Lumbar Neurogenic Intermittent Claudication Patients Treated With Interspinous Process Decompression (IPD). 20th Annual Meeting North American Spine Society, Philadelphia, PA, Sept 28-30, 2005.
141. **Anderson PA,** Sasso RC, Metcalf N, Riew KD. "Reoperation Rates for Cervical Arthroplasty vs. Arthrodesis." 32nd Annual Meeting Cervical Spine Research Society, San Diego, CA, December 1, 2005.
142. Traynelis VC, **Anderson PA,** Hacker R, Heller JG, Sasso RC. "Return to Work Analysis of Patients Treated with an Artificial Cervical Disc or an Arthrodesis." 32nd Annual Meeting Cervical Spine Research Society, San Diego, CA, December 1, 2005.
143. Sekhon LHS, **Anderson PA,** Riew KD, Haid RW, Heller JG, Duggal N, Davies M, Seex K. "MR Imaging Clarity of the Bryan, Pro-Disc-C, Prestige LP and PCM Cervical Arthroplasty Devices." 32nd Annual Meeting Cervical Spine Research Society, San Diego, CA, December 2, 2005.
144. **Anderson PA.** "Intervertebral Disc Replacement." Instructional Course Lecture. American Academy of Orthopedic Surgery, Chicago, IL, March 23, 2006.
145. **Anderson PA.** "Classification of Lower Cervical Spine Injury. Federation of Spine Associations, Chicago, IL, March 25, 2006.

146. **Anderson PA.** "New Surgical Techniques for Treatment of Degenerative Disc Disease." New Perspectives on the Role of the Intervertebral Disc in Back Pain and the Emergence of New Therapies. American Society of Neuroradiology 44th Annual Meeting, San Diego, CA, May 2, 2006.
147. **Anderson PA,** Sekhon L, Duggal N, Haid R, Heller J, Lynch J, Riew KD, Seex K. "MR Imaging Clarity of Cervical Arthroplasty Devices." Special Interest Poster Presentation. North American Spine Society, Seattle, WA, September 27, 2006.
148. Traynelis V, **Anderson PA,** Hacker R, Heller J, Sasso RC. "Return to Work Analysis of Patients Treated with an Artificial Cervical Disc or an Arthrodesis." North American Spine Society, Seattle, WA, September 29, 2006.
149. Riew KD, Sekhon L, Metcalf N, Sasso RC, **Anderson PA.** "Cervical Disc Arthroplasty for Myelopathy." North American Spine Society, Seattle, WA, September 29, 2006.
150. Tontz W, **Anderson PA,** Resnick D. "Clearance of the Asymptomatic Cervical Spine: A Metanalysis." North American Spine Society, Seattle, WA, September 29, 2006.
151. Morrey M, **Anderson PA,** Paul R, Chambers G, Valhmu W. "Optimizing Non-Viral Mediated Transfection of Human Intervertebral Disc Chondrocytes." North American Spine Society, Seattle, WA, September 27-29, 2006.
152. **Anderson PA,** Bagnall D, Dreyfuss P, Michaelsen M, Slipman CW, Weinstein SM. "Symposium: Cervical Radicular Pain: Contemporary Care and Controversies." North American Spine Society, Seattle, WA, September 30, 2006.
153. **Anderson, PA,** Tontz W, Resnick D. "Clearance of the Asymptomatic Cervical Spine - A Metanalysis." 22nd Annual Meeting of the Orthopaedic Trauma Association, Phoenix, AZ, October 6, 2006.
154. **Anderson PA,** Moore TA, Davis KW, Molinari RW. "Quantification of Stability in Subaxial Cervical Spine Injuries." 33rd Annual Meeting Cervical Spine Research Society, Palm Beach, FL, November 30, 2006.
155. Riew KD, Sekhon L, Metcalf N, Sasso RC, **Anderson PA,** Liu G.. "Cervical Disc Arthroplasty vs. Arthrodesis for Myelopathy: A Prospective, Randomized, Controlled Trial." 33rd Annual Meeting Cervical Spine Research Society, Palm Beach, FL, November 30, 2006.
156. **Anderson PA,** Myung K, Vanderby R. "Neural Peptides In Vitro Improve Metabolism and Proliferation Disc Cartilage Cells." 33rd Annual Meeting Cervical Spine Research Society, Palm Beach, FL, December 1, 2006.
157. Riew KD, Sekhon LHS, Metcalf N, Sasso RC, **Anderson PA.** "Cervical Disc Arthroplasty vs Arthrodesis for Myelopathy: A Prospective, Randomized, Trial." Annual Meeting American Academy of Orthopedic Surgery, San Diego, CA, February 14, 2007.
158. **Anderson PA.** "Intervertebral Disc Replacement." Instructional Course Lecture. Annual Meeting American Academy of Orthopedic Surgery, San Diego, CA, February 15, 2007.
159. **Anderson PA.** "Surgical treatment of cervical radiculopathy." Instructional Course Lecture. Annual Meeting American Academy of Orthopedic Surgery, San Diego, CA, February 15, 2007.

160. **Anderson PA.** “Cervical Spine Fixation.” Annual Meeting American Society of Neuroradiology, Chicago, IL, June 14, 2007.
161. Myung K, Vanderby B, Hacquebord J, Vanderby R, **Anderson PA.** Substance P and Neuropeptide Y Increase the Rates of Bovine Disc Cell Proliferation and GAG Production in Culture. Biologics Pre-Course, North American Spine Society, Austin, TX. October 27, 2007.
162. Myung K, Vanderby B, Hacquebord J, Vanderby R, **Anderson PA.** Substance P and Neuropeptide Y Increase the Rates of Bovine Disc Cell Proliferation and GAG Production in Culture. Annual Meeting of the North American Spine Society, Austin, TX, October 30, 2007.
163. Moore T, **Anderson PA.** “Quantification of Stability in Subaxial Cervical Spine Injuries.” Annual Meeting of the North American Spine Society, Austin, TX, October 25, 2007.
164. Sasso RC, **Anderson PA.** Motion Analysis of Bryan Cervical Disc Arthroplasty vs Anterior Discectomy and Fusion: Results from a Prospective, Randomized, Multi-center Clinical Trial. Annual Meeting of the North American Spine Society, Austin, TX, October 25, 2007.
165. **Anderson PA,** Puschak TJ, Sasso RC,. Comparison of SF-36 Results Between Total Joint Arthroplasty and Cervical Spine Decompression and Fusion or Arthroplasty. Special Interest Poster Presentation, North American Spine Society, Austin, TX, October 25, 2007.
166. Heller JG, **Anderson PA.** “Bryan Cervical Disc Replacement: Results of the United States Prospective Randomized Clinical Trial v. Anterior Cervical Discectomy and Fusion.” North American Spine Society, Austin, TX, October 24, 2007.
167. **Anderson PA.** “Lumbar Artificial Disc Replacement.” Motion Preservation Symposium, North American Spine Society, Austin, TX, October 27, 2007.
168. Heller JG, Sasso RC, **Anderson PA,** Papadopoulos SM, Fessler RG, Hacker RJ, Riew KD, Cauthen JC. “Bryan Cervical Disc Replacement: Results of the United States Prospective Randomized Clinical Trial v. Anterior Cervical Discectomy and Fusion.” 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, November 29, 2007.
169. **Anderson PA,** Sasso RC, Riew KD. “Comparison of Re-Operations After Anterior Cervical Fusion and Cervical Arthroplasty.” 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, November 29, 2007.
170. Riew KD, Riina J, Holly LT, **Anderson PA.** “Surgery for Headaches Associated with Cervical Radiculopathy or Myelopathy: A Post-Hoc analysis of a Prospective, Multi-center Study with Minimum 2 Year Follow-Up.” 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, November 29, 2007.
171. **Anderson PA.** “Stenosis with Cord Compression at One Level: Natural History not Favorable – Operate Sooner rather than Later.” Symposium: Controversies in Cervical Spine Surgery. 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, November 29, 2007.

172. Riew KD, Kuklo TR, Resnick DK, **Anderson PA**. “Does Neck Pain Associated with Radiculopathy or Myelopathy Improve with Surgery?” 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, December 1, 2007.
173. **Anderson PA**, Subach B, Stachniak JB, Riew KD, Copay A. “Multivariate Analysis of Outcome Predictors Following Anterior Discectomy and Fusion.” 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, December 1, 2007.
174. **Anderson PA**. “Motion Sparing Technology: A paradigm shift in spine surgery.” Keynote Speaker, American Association of Pain Management, Orlando, FL, February 15, 2008.
175. **Anderson PA**. “Stenosis with Cord Compression at One Level: Natural History not Favorable – Operate Sooner rather than Later.” Symposium: Controversies in Cervical Spine Surgery. Federation of Spine Associations, San Francisco, CA, March 6, 2008.
176. Marinelli N, Houghton VM, Muñoz A, **Anderson PA**. “T2 Relaxation Times of Intervertebral Disc Tissue Correlated with Water Content and Proteoglycan Content.” Lumbar Spine Research Society, Chicago, IL, April 26, 2008.
177. **Anderson, PA**. “Motion Preservation: A new paradigm in Spine Surgery. Keynote Speaker National Association of Orthopedic Nurses, San Jose, CA, May 20, 2008.
178. Sansone JM, **Anderson, PA**. “The Incidence and Specific Risk Factors for Venous Thromboembolic Disease Following Elective Surgery: A Statistical Analysis of the Current Literature.” 23<sup>rd</sup> Annual Meeting North American Spine Society, Toronto, Ontario, Canada, October 15, 2008.
179. Campbell MJ, Carreon LY, Traynelis VC, **Anderson PA**. “Is a Cervical Collar after Anterior Cervical Fusion with Plating Necessary?” 23<sup>rd</sup> Annual Meeting North American Spine Society, Toronto, Ontario, Canada, October 16, 2008.
180. Sasso R, Heller J, **Anderson PA**, Papadopoulos, Fessler R. “Radiographic Results from the Bryan Cervical Disc IDE Study.” 23<sup>rd</sup> Annual Meeting North American Spine Society, Toronto, Ontario, Canada, October 17, 2008.
181. Dimar J, Zheng Y, Zhang P, Shields LBE, **Anderson PA**, Shields CB. “The Effect of Prophylactic Use of Heparin in Acute Cervical Spinal Cord Injury.” 23<sup>rd</sup> Annual Meeting North American Spine Society, Toronto, Ontario, Canada, October 17, 2008.
182. **Anderson PA**. “Case Studies of Failed Total Disc Arthroplasty.” Symposium: Lessons Learned from Disc Arthroplasty. 23<sup>rd</sup> Annual Meeting North American Spine Society, Toronto, Ontario, Canada, October 17, 2008.
183. **Anderson PA**. “New Treatment Paradigms for the Treatment of Cervical Fractures.” Symposium: Current Concepts for the Treatment of Spinal Trauma. 23<sup>rd</sup> Annual Meeting North American Spine Society, Toronto, Ontario, Canada, October 18, 2008.
184. Campbell MJ, Carreon LY, Traynelis V, **Anderson PA**. “Is a Cervical Collar after Anterior Cervical Fusion with Plating Necessary?” 35th Annual Meeting Cervical Spine Research Society, Austin, TX, December 4, 2008.
185. **Anderson PA**. “T2 Relaxation in lumbar discs.” Annual Meeting Lumbar Spine Research Society, Chicago, IL, April 2, 2009.

186. **Anderson PA.** “Lumbar Disc Degeneration Score.” Annual Meeting Lumbar Spine Research Society, Chicago, IL, April 2, 2009.
187. **Anderson PA.** “Subaxial Spine Fracture Classification & Treatment Algorithms.” Symposium: Advances in the Surgical Treatment of Acute Spine Trauma. 24th Annual Meeting North American Spine Society, San Francisco, CA, November 10, 2009.
188. **Anderson PA.** “What are the Differences Between Types of Disc Replacements in Terms of Wear Characteristics, Materials and Tribology?.” Symposium: Cervical Arthroplasty. 14th Instructional Course Cervical Spine Research Society, Salt Lake City, UT, December 2, 2009.
189. Sasso RC, Heller JG, **Anderson PA**, Papadopolous SM, Fessler RG. “Cervical Disc Replacement: Four-Year Follow-up Results from the United States Prospective Randomized Bryan Clinical Trial.” 37<sup>th</sup> Annual Meeting Cervical Spine Research Society, Salt Lake City, UT, December 3, 2009.
190. Carreon LY, Glassman SD, **Anderson PA.** “Neck Disability Index, SF-36 PCS and Pain Scales for Neck and Arm Pain: The Minimum Clinically Important Difference and Substantial Clinical Benefit after Cervical Spine Fusion.” 37<sup>th</sup> Annual Meeting Cervical Spine Research Society, Salt Lake City, UT, December 3, 2009.
191. **Anderson PA.** “Adjacent Segment Disease Has Been Shown to be Altered in Motion Preservation.” Symposium: Controversies in Spine Surgery. 2010 Annual Meeting American Academy of Orthopaedic Surgery, New Orleans, LA, March 10, 2010.
192. **Anderson PA.** “Anterior Cervical Discectomy and Fusion.” Symposium: Cervical Radiculopathy: Current Concepts. 2010 Annual Meeting American Academy of Orthopaedic Surgery, New Orleans, LA, March 11, 2010.
193. Dafford EE, **Anderson PA.** “A Comparison of Dural Repair Techniques.” Annual Meeting American Academy of Orthopaedic Surgery, New Orleans, LA, March 10, 2010.
194. **Anderson PA.** “Biomechanics of the Spine.” Instructional Course: Engineering Principles in Orthopaedic Surgery: What Every Surgeon Should Know. 2010 Annual Meeting American Academy of Orthopaedic Surgery, New Orleans, LA, March 11, 2010.
195. Buchowski JM, **Anderson PA**, Riew KD. “Improvement of Neurologic Deficits Following Anterior Cervical Spine Surgery.” 2010 Annual Meeting American Academy of Orthopaedic Surgery, New Orleans, LA, March 12, 2010.
196. Riew KD, Sasso RC, **Anderson PA.** “Does Early Return to Work Following Arthroplasty and ACDF Result in Adverse Outcomes?” 2010 Annual Meeting American Academy of Orthopaedic Surgery, New Orleans, LA, March 12, 2010.
197. **Anderson PA.** “What are the Differences Between Types of Disc Replacements in Terms of Materials, Degree of Constraint and Way They are Implanted?.” Cervical Disc Replacement Symposium. Annual Meeting American Academy of Orthopaedic Surgery Federation of Spine Associations Specialty Day, New Orleans, LA, March 13, 2010.
198. **Anderson PA.** “Complications Avoidance and Management.” Cervical Disc Replacement Symposium Annual Meeting Spine Arthroplasty Society, New Orleans, LA, April 28, 2010.

199. **Anderson PA.** “Clearing the Cervical Spine.” Spine Complications Symposium Annual Meeting North American Spine Society, Orlando, FL, October 5-9, 2010.
200. Riew KD, Sasso RC, **Anderson PA** “Does Early Return to Work Following Arthroplasty and ACDF Result in Adverse Outcomes?” Annual Meeting North American Spine Society, Orlando, FL, October 7, 2010.
201. Patel R, **Anderson PA**, Steinmetz M, Zellner B. “Repair of Pars Interarticularis Defect Utilizing a Pedicle and Laminar Screw Construct: A New Technique Based on Anatomic and Biomechanical Analysis.” Annual Meeting North American Spine Society, Orlando, FL, October 7, 2010.
202. Rampersaud YR, Djurasovic M, Carreon ML, Persaud O, Isaacs R, Peloza J, Branch C, Polly D, Rouben D, **Anderson PA**, Glassman S. “2-Year Outcome of Posterior Minimally Invasive Fusion Compared to Open Fusion for Low Grade Spondylolisthesis.” Annual Meeting North American Spine Society, Orlando, FL, October 7, 2010.
203. Rampersaud YR, **Anderson PA**, Fisher C, Dimar J. “Spine Adverse Events Severity System (SAVES-V2): Multicenter Development and Inter-Intra Observer Reliability Assessment. Annual Meeting North American Spine Society, Orlando, FL, October 8, 2010.
204. O’Leary PT, **Anderson PA**, Sasso RC, Riew KD. “The Impact of Smoking on Functional Outcomes Measures Following Cervical Disc Arthroplasty. Annual Meeting North American Spine Society, Orlando, FL, October 9, 2010.
205. **Anderson PA.** “Continuous Daily Living Motion of the Neck Compared to ASTM F2423.05 Testing.” Symposium on Static and Dynamic Spinal Implants: Are We Evaluating Them Appropriately? ASTM Committee F04 on Medical and Surgical Materials and Devices, San Antonio, TX, November 16, 2010.
206. **Anderson PA.** “Motion of Lumbar Spine during Daily Living Compared to ASTM F2423.05 Testing.” Symposium on Static and Dynamic Spinal Implants: Are We Evaluating Them Appropriately? ASTM Committee F04 on Medical and Surgical Materials and Devices, San Antonio, TX, November 16, 2010.
207. Orndorff DO, Youssef JA, Ziemke MK, Patty CA, **Anderson, PA.** “Meta-analysis Comparing Clinical Outcomes of Cervical Total Disc Replacement versus Anterior Cervical Discectomy and Fusion.” Cervical Spine Research Society, Charlotte, NC, December 3, 2010.
208. Egan KR, Muchow RD, **Anderson PA.** “Theoretical Increase of Thyroid Cancer from Cervical Spine MDCT in Pediatric Trauma Patients.” Cervical Spine Research Society, Charlotte, NC, December 4, 2010.
209. **Anderson PA**, Schreiber J, Rosas H. “CT Hounsfield Units for Assessing Bone Mineral Density – A Tool For Osteoporosis Management.” AANS/CNS Annual Meeting, Phoenix, AZ, March 10, 2011.
210. Glassman SD, Carreon L, Resnick DK, **Anderson PA.** “A Diagnostic Classification for Lumbar Spine Registry Development.” Annual Meeting Lumbar Spine Research Society, Chicago IL, May 5-6, 2011.

211. Weisner E, Rosas H, **Anderson PA**. "Using Phantom-less CT to Determine Bone Mineral Density." Annual Meeting Lumbar Spine Research Society, Chicago IL, May 5-6, 2011.
212. **Anderson PA**. "Using Transforaminal Lumbar Interbody Fusion." Annual Meeting Lumbar Spine Research Society, Chicago IL, May 5-6, 2011.
213. **Anderson PA**. "Complications of Management of Cervical Spine Injuries." Current Techniques in the Treatment of Acute Spine Trauma Pre-Meeting Course. Annual Meeting North American Spine Society, Chicago, IL, November 2, 2011.
214. Sasso RC, **Anderson PA** Heller J., Riew KD. "Cervical Disc Replacement: Five-Year Follow-Up from the U.S. Prospective Randomized Bryan Trial." Annual Meeting North American Spine Society, Chicago, IL, November 4, 2011.
215. Hsu WK, Fuchs DJ, **Anderson PA**. "A Meta-Analysis of Fusion Rates from Bone Graft Substitutes in a Rodent Posterolateral Spine Arthrodesis Model." Annual Meeting North American Spine Society, Chicago, IL, November 4, 2011.
216. Tsai, T-L, Nelson B, **Anderson PA**, Li W-J. "Intervertebral Disc Regeneration from Co-cultured Disc and Stem Cells in Biomimetic Engineered Extracellular Matrix Stimulated by Mechanically Active Bioreactor. Annual Meeting North American Spine Society, Chicago, IL, November 4, 2011.
217. Cornett, C, **Anderson PA**. "Preoperative Opioid Use and Postoperative Pain Control, Adverse Events, Length of Stay and Patient Satisfaction." Annual Meeting North American Spine Society, Chicago, IL, November 4, 2011.
218. Hsu WK, Fuchs DJ, **Anderson PA**. "Successful Fusion Rates from Bone Graft Substitutes in a Rodent Spine Arthrodesis Model: A Meta-analysis of 27 Peer-Reviewed Studies." Cervical Spine Research Society, Scottsdale, AZ, December 8, 2011.
219. Riew KD, Heller J, Sasso RC, Kelly MP, **Anderson PA**. "The Fate of a Delayed Union Following an ACDF: A Post-Hoc Analysis of Data From A Prospective, Multicenter Trial." Cervical Spine Research Society, Scottsdale, AZ, December 9, 2011.
220. Savage JW, **Anderson PA**. "The Real Life Use of Bone Morphogenetic Protein in the United States." Annual Meeting Lumbar Spine Research Society, Chicago IL, April 26, 2012.
221. **Anderson PA**. Lateral Mass and Pedicle Screw Fixation of the Cervical Spine. Panel Meeting FDA Gaithersburg, MD September 21, 2012.
222. **Anderson PA**. "Does Cervical Total Disc Replacement Reduce the Risk of Adjacent Level Problems?" What is the Evidence and What Does the Future Hold? Pre-Meeting Course. Annual Meeting North American Spine Society, Dallas, TX, October 24, 2012.
223. **Anderson PA**. "Cervical Swelling" Section on Biologics: BMPs: Yesterday, Today and Tomorrow. Biologics Pre-Course. Annual Meeting North American Spine Society, Dallas, TX, October 24, 2012.
224. **Anderson PA**, Raich A, Hashimoto R, Norvell DC, Sasso RC, Hipp JA. "Kinematics of the Cervical Adjacent Segments Following Disc Arthroplasty and Anterior Discectomy and Fusion: A Systematic Review and Meta-analysis." Cervical Spine Research Society, Chicago, IL, December 6, 2012.

225. Carreon LY, **Anderson PA**, Traynelis VC, Mummaneni PV, Glassman SD. “Cost-Effectiveness of Single-Level Anterior Cervical Discectomy and Fusion Five Years after Surgery.” Cervical Spine Research Society, Chicago, IL, December 7, 2012.
226. Kelly M, **Anderson PA**, Riew KD, “Does Preoperative Narcotic Strength Affect Outcomes of Anterior Cervical Procedures? A Post-hoc Analysis of Two Prospective Randomized Trials.” Cervical Spine Research Society, Chicago, IL, December 7, 2012.
227. **Anderson PA**. “Adverse Events in Clinical Trials of Artificial Cervical Discs.” Recording and Reporting of Adverse Outcomes in Spine Surgery: Are We at the Top of Our Game?” Instructional Course Lecture. Annual Meeting American Association of Orthopedic Surgeons, Chicago, IL, March 20, 2013.
228. **Anderson PA**. “Bone Morphogenetic Protein: Adverse Events Were Adequately Reported.” Debates on the Use of BMP in Spine Surgery Symposium. Annual Meeting American Association of Orthopedic Surgeons, Chicago, IL, March 21, 2013.
229. **Anderson PA**. “Vertebroplasty/Kyphoplasty” Osteoporosis/Bone Metabolism Symposium. Annual Meeting Lumbar Spine Research Society, Chicago IL, April 11, 2013.
230. Kelly MP, Savage JW, Bentzen SM, Hsu WK, **Anderson PA**. “Cancer Risk From Recombinant Human Bone Morphogenetic Protein-2 Exposure in Spinal Fusion.” Annual Meeting Lumbar Spine Research Society, Chicago IL, April 12, 2013.
231. **Anderson PA**. “Classification: Does TLICS Work for Low Lumbar and Sacral Fractures?” Trauma Instructional Course Lecture. Annual Meeting Lumbar Spine Research Society, Chicago IL, April 12, 2013.
232. **Anderson PA**. “Evolving Anterior Technologies in the Treatment of Cervical Degenerative Disease.” Pre-Course. Annual Meeting North American Spine Society, New Orleans, LA, October 9, 2013
233. Riew KD, Riew B, Park JB, Albert TJ, Vaccaro AR, Nassr A, Currier B, **Anderson PA**, Yoon D, Arnold PM, Gokaslan Z, Lee SH, , Kurd M, Phillips FM, Lee J, Kang JD, Sasso RC, Wright NM, Shaffrey CI, Traynelis VC, Kelly MP, Brodke DS, Heller JG, Rhee JM, Hilibrand AS, An HS, Ching AC, Hart RA, Yoo JU, Fehlings MG, Smith JS, Kim S.” Esophageal Perforation Following Anterior Cervical Surgery.” Annual Meeting Cervical Spine Research Society, Los Angeles, CA, December 5, 2013.
234. O’Donnell CM, Childs Z, Nguyen QT, **Anderson PA**, Lee MJ. “Vertebral Artery Anomalies at the Craniovertebral Junction in the US Population.” Annual Meeting Cervical Spine Research Society, Los Angeles, CA, December 5, 2013.
235. **Anderson PA**. ‘Haven’t you heard about Sagittal Alignment? Do it Ant/Post and get it Right.” Case Presentation: Multilevel CSM with Mild Kyphosis that Does not Passively Correct. Annual Meeting Cervical Spine Research Society, Los Angeles, CA, December 5, 2013.
236. **Anderson PA**. “Outcomes of Pseudarthrosis Repair.” Symposium: Treating Cervical Pseudo. Annual Meeting Cervical Spine Research Society, Los Angeles, CA, December 7, 2013.



237. O'Donnell CM, Childs Z, Nguyen QT, **Anderson PA**, Lee MJ. "Vertebral Artery Anomalies at the Craniovertebral Junction in the US Population." Annual Meeting American Association of Orthopedic Surgeons, New Orleans, LA, March 12, 2014.
238. Hart RA, Waagmeester BS, **Anderson PA**, Arthur M. "Cost of 'Zero Event' Complications Associated with Common Orthopaedic Procedures." Annual Meeting American Association of Orthopedic Surgeons, New Orleans, LA, March 13, 2014,
239. **Anderson PA**. "Recognition and Preparation for Catastrophic Intraoperative Events." Instructional Course Lecture. Annual Meeting American Association of Orthopedic Surgeons, New Orleans, LA, March 14, 2014.
240. Savage JW, Moore T, Arnold PM, Hsu WK, Patel AA, McCarthy K, Schroeder GD, Vaccaro AR, Dimar JR, **Anderson PA**. "The Reliability and Validity of the Thoracolumbar Injury Classification System in Pediatric Spine Trauma." Annual Meeting Lumbar Spine Research Society, Chicago IL, May 1, 2014.
241. **Anderson PA**. "Prevention of Surgical Site Infection." Art Steffee Lecturer 2014 Spine Review Hands-On Course, Cleveland Clinic Foundation, Cleveland, OH, July 9-15, 2014.
242. **Anderson PA**. "BMP-2: To Use or Not to Use?" Art Steffee Lecturer 2014 Spine Review Hands-On Course, Cleveland Clinic Foundation, Cleveland, OH, July 9-15, 2014.
243. Schreiber JJ, Carlson M, Gausden E, **Anderson PA**. "Opportunistic Osteoporosis Screening: Gleaning Additional Information from Diagnostic Wrist CT Scans" 45th Annual Meeting of the Eastern Orthopedic Association, Amelia Island, FL, October 22-25, 2014.
244. **Anderson PA**. Symposium: Own the Bone. Annual Meeting North American Spine Society, San Francisco, CA, November 14, 2014.
245. **Anderson PA**. "Evidence Based Prevention of Surgical Site Infection." Focused Discussion: Reducing the Risk of Surgical Site Infections. Annual Meeting North American Spine Society, San Francisco, CA, November 14, 2014.
246. Albert TJ, **Anderson PA**, Heller JG, Riew KD, Chiba K. Symposium: Presidential Town Hall. Annual Meeting Cervical Spine Research Society, Orlando, FL, December 5, 2014.
247. **Anderson PA**. "The Future: Additive Manufacturing." Instructional Course Lecture: Update on Biomaterials. Annual Meeting American Academy of Orthopaedic Surgeons, Las Vegas, NV, March 25, 2015.
248. Furey C, **Anderson PA**. Instructional Course Lecture: Complex Problems in Lumbar Stenosis. Annual Meeting American Academy of Orthopaedic Surgeons, Las Vegas, NV, March 26, 2015.
249. Ryneerson B, Williams SK, Savage JW, Hetzel SJ, Belford Z, Anderson PA. "The Effect of Weight Bearing on Non-operative Thoracolumbar Spine Fractures and Prognostic Variables of Sagittal Angle Deformity." Annual Meeting Lumbar Spine Research Society, Chicago, IL, April 9, 2015.
250. **Anderson PA**. "Osteoporotic Fracture Care." Case Western Reserve Department of Orthopedics Henry H. Bohlman Visiting Professor, Cleveland, OH, May 12, 2015.

251. **Anderson PA.** "Prevention of Surgical Site Infection." Case Western Reserve Department of Orthopedics Henry H. Bohlman Visiting Professor, Cleveland, OH, May 13, 2015.
252. **Anderson PA.** "Prevention of Surgical Site Infection." Controversies in Spine Surgery, ONE Spine Masters Course, Seattle, WA, June 26, 2015.
253. **Anderson PA.** "Military Related Disability." Spine 10 x 25 Research Summit, North American Spine Foundation, Burr Ridge, IL, July 18, 2015.
254. **Anderson PA.** "Spinal Instrumentation: Basic Concepts & Biomechanics." ONE Spine Fellows Course, Seattle, WA, August 15, 2015.
255. **Anderson PA.** Moderator "Effective Follow up in Post-Fracture Bone Health Management using Own the Bone." with Joseph Borrelli. American Orthopaedic Association Own the Bone Webinar, August 25, 2015.
256. **Anderson PA.** "3D Printing Structural Implants: A Clinical Case." Section on Biologics and Basic Research: 3D Printing: A New Frontier. 30th Annual Meeting North American Spine Society, Chicago, IL, October 15, 2015.
257. **Anderson PA.** "Hospital-Based Management of Neck Injuries: Making the Right Call" Sports-Related Head & Neck Injuries: Making the Right Call. 30th Annual Meeting North American Spine Society, Chicago, IL, October 17, 2015.
258. **Anderson PA.** "Bone Healing and Graft Substitutes: Needs in Spine Surgery." F04 Workshop on Bone/Fracture Healing: What are the Next Steps in Standards for Bone Fracture/Void Healing Products? ASTM, Tampa, FL, November 17, 2015.
259. **Anderson PA.** "Analyzing the Environment." F04 Workshop on Bone/Fracture Healing: What are the Next Steps in Standards for Bone Fracture/Void Healing Products? ASTM, Tampa, FL, November 17, 2015.
260. **Anderson PA.** Symposium Cervical Deformity. Annual Meeting Cervical Spine Research Society, San Diego, CA, December 4, 2015.
261. **Anderson PA.** Moderator "Vitamin D in Chaos: A Common Sense Approach for Orthopaedics" with Neil Binkley. American Orthopaedic Association Own the Bone Webinar, December 10, 2015.
262. **Anderson PA.** Instructional Course Lecture: "Managing Complex Problems in Lumbar Spinal Stenosis." Annual Meeting American Academy of Orthopaedic Surgery, Orlando, FL, March 4, 2016.
263. **Anderson PA.** Moderator Instructional Course Lecture: Update on Biomaterials. Annual Meeting American Academy of Orthopaedic Surgery, Orlando, FL, March 4, 2016.
264. **Anderson PA.** "The Future: Additive Manufacturing." Instructional Course Lecture: Update on Biomaterials. Annual Meeting American Academy of Orthopaedic Surgery, Orlando, FL, March 4, 2016.
265. **Anderson PA.** Moderator "Opportunistic Screening for Osteoporosis with CT" with Perry Pickhardt. American Orthopaedic Association Own the Bone Webinar, March 8, 2016.

266. **Anderson PA.** “Preventing Surgical Site Infection in Lumbar Surgery.” 32<sup>nd</sup> Annual Meeting of the Section on Disorders of Spine and Peripheral Nerves, Orlando, FL, March 17, 2016.
267. **Anderson PA.** Moderator Symposium: “Osteoporotic Care of the Spine Patient.” 32<sup>nd</sup> Annual Meeting of the Section on Disorders of Spine and Peripheral Nerves, Orlando, FL, March 18, 2016.
268. **Anderson PA.** “Medical Care of Osteoporosis.” Symposium: Osteoporotic Care of the Spine Patient. Disorders of Spine and Peripheral Nerves, Orlando, FL, March 18, 2016.
269. **Anderson PA,** Shonnard N, Chapman J, Cizik A, Bellabarba C, Oskouian R, Sethi R, Hofstetter C, Bederman S. “Spine SCOAP at 3 Years: Adding Value in Spine Surgery through a Surgeon-led QI Initiative.” Annual Meeting Lumbar Spine Research Society, Chicago IL, April 14, 2016.
270. **Anderson PA.** “Responsible Adoption of New Technology.” Presidential Address. Annual Meeting Lumbar Spine Research Society, Chicago IL, April 14, 2016.
271. **Anderson PA.** Moderator. Symposium: “Spine-Specific Considerations of Osteoporosis.” Annual Meeting Lumbar Spine Research Society, Chicago IL, April 15, 2016.
272. **Anderson PA.** “Overview of Management and Medications.” Symposium: Spine Specific Considerations of Osteoporosis. Annual Meeting Lumbar Spine Research Society, Chicago IL, April 15, 2016.
273. Sebastian A, Ahmed AM, Aleem I, Currier B, Clarke M, **Anderson PA,** Nassr A. “The Effect of an Adjustable Hinged Operating Table on Lumbar Lordosis during Lumbar Surgery.” Annual Meeting Lumbar Spine Research Society, Chicago IL, April 15, 2016.
274. **Anderson PA.** Moderator “Risk Factor Assessment to Determine Osteoporosis Treatment” with John Schousboe. American Orthopaedic Association Own the Bone Webinar, May 26, 2016.
275. **Anderson PA.** “Spine Fractures: Why They Matter and What to Look For.” Own the Bone Symposium: Care Coordination for Secondary Fracture Prevention, Seattle WA, June 23, 2016.
276. **Anderson PA.** “Bone Morphogenetic Protein: If and When Should It Be Used?” 4<sup>th</sup> Annual ONE Spine Masters Course: Controversies in Spine Surgery, Seattle WA, June 25, 2016.
277. **Anderson PA.** “Biomaterials of Interbody Cages.” 23<sup>rd</sup> IMAST Scoliosis Research Society, Washington DC, July 15, 2016.
278. **Anderson PA.** “MIS Case Presentations.” Symposium: Thoracolumbar Trauma. 23<sup>rd</sup> IMAST Scoliosis Research Society, Washington DC, July 15, 2016.
279. **Anderson PA.** Moderator. Symposium: AOA Own the Bone: The Spine Practitioner Taking Ownership of the Bone. 24<sup>th</sup> Annual Scientific Meeting Spine Intervention Society, New Orleans LA, July 29, 2016.
280. **Anderson PA.** “Medical Management.” Symposium: AOA Own the Bone: The Spine Practitioner Taking Ownership of the Bone. 24<sup>th</sup> Annual Scientific Meeting Spine Intervention Society, New Orleans LA, July 29, 2016.

281. **Anderson PA.** “Introduction of New Technologies in Orthopaedic Surgery.” Keynote Speech Third Annual MERC Symposium, Audubon PA, August 6, 2016.
282. **Anderson PA.** “Clinical Applications of 3D Printing.” Third Annual MERC Symposium, Audubon PA, August 6, 2016.
283. **Anderson PA.** Moderator “Sarcopenia, Falls Risk and Osteoporosis: The Terrible Triad” with Beatrice J. Edwards. American Orthopaedic Association Own the Bone Webinar, Sept 29, 2016.
284. **Anderson, PA.** “Death, Disability, & Destitution in Geriatric Patients Having Fragility Fractures.” Impairment Without Disability 8<sup>th</sup> Annual Conference, St. Paul MN, October 7, 2016.
285. **Anderson PA.** “Single level ACDF vs. TDR: A Critical Review of the Literature.” Symposium: Section on Biologics and Basic Research: ACDF vs. TDR: Adjacent Segment Disease and Clinical Outcomes. North American Spine Society, Boston MA, October 26, 2016.
286. **Anderson PA.** Moderator Symposium: Own the Bone Establishing a Fragility Fracture Service and Preventing the Next Vertebral Fracture. North American Spine Society, Boston MA, October 26, 2016.
287. **Anderson PA.** “Starting a Fragility Fracture Program: Getting Administrators on Board.” Symposium: Own the Bone Establishing a Fragility Fracture Service and Preventing the Next Vertebral Fracture North American Spine Society, Boston MA, October 26, 2016.
288. **Anderson PA.** “Single level ACDF vs. TDR: A Critical Review of the Literature.” Symposium: Section on Biologics and Basic Research: ACDF vs. TDR: Adjacent Segment Disease and Clinical Outcomes. North American Spine Society, Boston MA, October 26, 2016.
289. **Anderson, PA.** “Biomechanics of Spine Instrumentation.” Innovative and Advanced Surgery of the Degenerative and Deformed Lumbar Spine, St. Louis MO, November 17, 2016.
290. **Anderson, PA.** “Dural Repair Techniques.” Innovative and Advanced Surgery of the Degenerative and Deformed Lumbar Spine, St. Louis MO, November 17, 2016.
291. **Anderson, PA.** “Role of Vertebral Augmentation in Spine Care: When is it Beneficial?” Innovative and Advanced Surgery of the Degenerative and Deformed Lumbar Spine, St. Louis MO, November 18, 2016.
292. **Anderson PA.** Moderator “Orthopaedic Applications for Osteoporosis Medication” with Joseph Lane. American Orthopaedic Association Own the Bone Webinar, Nov 15, 2016.
293. Passias PG, . . . **Anderson PA,** Vaccaro A. “Diminished Mental Health Prior to Cervical Fusion Can have a Profound Effect on Patient Derived Outcomes Depending on Present Diagnosis: Results of a Prospective Surgeon Driven Cervical Database at 2 Years.” Forty-Fourth Annual Meeting Cervical Spine Research Society, Toronto Ontario Canada, December 2, 2016.

294. Miller JW, Sasso RC, **Anderson PA**, Riew KD. “Adjacent-Level Degeneration After Bryan Cervical Disc Arthroplasty Compared with Anterior Discectomy and Fusion.” Forty-Fourth Annual Meeting Cervical Spine Research Society, Toronto Ontario Canada, December 2, 2016.
295. **Anderson PA**. “If I Could Do It All Over Again.” Symposium: Complications. Forty-Fourth Annual Meeting Cervical Spine Research Society, Toronto Ontario Canada, December 3, 2016.
296. **Anderson PA**. Moderator “Atypical Fractures and Osteoporosis Medication Considerations” with James Goulet. American Orthopaedic Association Own the Bone Webinar, February 23, 2017.
297. **Anderson PA**. “Subaxial Spine Fractures: Identification Treatment Techniques and Common Complications.” Symposium: What You Need to Know about the Treatment of Acute Spinal Trauma in the Polytrauma Patient. Annual Meeting American Academy of Orthopaedic Surgery, San Diego CA, March 16, 2017.
298. **Anderson PA**. Instructional Course: Managing Complex Problems in Lumbar Spinal Stenosis. Annual Meeting American Academy of Orthopaedic Surgery, San Diego CA, March 17, 2017.
299. **Anderson PA**. Moderator Symposium: 3D Printing in Orthopaedic Surgery. Annual Meeting American Academy of Orthopaedic Surgery, San Diego CA, March 17, 2017.
300. **Anderson PA**. “Orthopaedic Applications of 3D Printing” Symposium: 3D Printing in Orthopaedic Surgery. Annual Meeting American Academy of Orthopaedic Surgery, San Diego CA, March 17, 2017.
301. **Anderson PA**. “Quality Improvement: A Call to Arms.” Presidential Address Annual Meeting Lumbar Spine Research Society, Chicago IL, April 7, 2017.
302. **Anderson PA**. “The Osteoporosis Epidemic: Implications for Spine Surgery” Symposium: You Are Never Too Old For Surgery: Spine Management in the Aging. Annual Meeting American Academy of Neurosurgeons, Los Angeles CA, April 23, 2017.
303. **Anderson PA**, Cummings K. “Components of Successful Secondary Fracture Prevention Program & How to Get Your Administration on Board.” American Orthopaedic Association Own the Bone Webinar, May 4, 2017.
304. **Anderson PA**. “Interaction Between Implants and Infection.” Symposium: Preventing Surgical Site Infection in Spine Surgery: Vancomycin.” Annual Meeting North American Spine Societies, Orlando, FL, October 25, 2017.”
305. **Anderson PA**. “Stop at C7” Debate: What is the Best Level for Posterior Laminectomy and Fusion? Cervical Spine Research Society Instructional Course, Hollywood FL, November 29, 2017.
306. **Anderson PA**. Symposium: How the Experts Deal with Adverse Events – Prevention, Identification and Management. Annual Meeting Cervical Spine Research Society Instructional Course , Hollywood FL, November 30, 2017.
307. **Anderson PA**. Moderator. Symposium: Secondary Fracture Prevention. Annual Meeting American Academy of Orthopedic Surgeons, New Orleans, LA, March 7, 2018.

308. **Anderson PA.** “Starting a Fragility Fracture Program: Getting Administrators on Board.” Symposium: Secondary Fracture Prevention. Annual Meeting American Academy of Orthopedic Surgeons, New Orleans, LA, March 7, 2018.
309. **Anderson PA.** “Preoperative Optimization of Bone Health.” Module 2: Optimizing Outcomes after Lumbar Spine Surgery. Annual Lumbar Spine Research Society Instructional Course, Chicago, IL, April 4, 2018.
310. **Anderson PA.** “Does Simulation Improve Education?” Symposium: Surgical Simulation in Education. Annual Meeting Lumbar Spine Research Society Instructional Course, Chicago, IL, April 5, 2018.
311. **Anderson PA.** “MIS Spine Surgery.” Symposium: My Worst Complications. Annual Meeting Lumbar Spine Research Society Instructional Course, Chicago, IL, April 4, 2018.
312. **Anderson PA.** “The Osteoporosis Epidemic: Implications for Spine Surgery.” Symposium: You Are Never Too Old For Surgery: Spine Management in the Aging. Annual Meeting American Academy of Neurosurgeons, New Orleans LA, April 28, 2018.
313. **Anderson PA.** Moderator Symposium: Bone Health Optimization – Beyond Own the Bone. Annual Meeting, American Orthopaedic Association, Boston MA, June 29, 2018.

## PRESENTATIONS – NON-SCIENTIFIC MEETINGS

### International

1. **Anderson PA.** “Posterior Reconstruction in Non-Traumatic Cervical Spine.” AO/ASIF Spine Course, Brisbane, Australia, April 20-24, 1992.
2. **Anderson PA.** “Sacral Fractures.” AO/ASIF Spine Course, Brisbane, Australia, April 20-24, 1992.
3. **Anderson PA.** “Non-operative Treatment of Thoracolumbar Fractures.” AO/ASIF Spine Course, Brisbane, Australia, April 20-24, 1992.
4. **Anderson PA.** “Role of Anterior Decompression in Cervical Fractures.” AO/ASIF Spine Course, Brisbane, Australia, April 20-24, 1992.
5. **Anderson PA.** “Posterior Stabilization of the Cervical Spine - AO Plate Techniques.” AO/ASIF Spine Course, Brisbane, Australia April 20-24, 1992.
6. **Anderson PA.** “Evaluation of Cervical Spine Instability.” AO/ASIF Spine Course, Brisbane, Australia, April 20-24, 1992.

7. **Anderson PA.** "Posterior Stabilization: AO Plates Technique." AO/ASIF Spine Course Davos, Switzerland December 14-18, 1992.
8. **Anderson PA.** "Rheumatoid Arthritis of the Cervical Spine." AO/ASIF Spine Course Davos, Switzerland December 14-18, 1992.
9. **Anderson PA.** "Instability of the Cervical Spine." AO/ASIF Spine Course, Nottingham, England, July 27-30, 1993.
10. **Anderson PA.** "Posterior Cervical Fixation." AO/ASIF Spine Course, Nottingham, England, July 27-30, 1993.
11. **Anderson PA.** "Late Decompression Following Injury." AO/ASIF Spine Course, Nottingham, England, July 27-30, 1993.
12. **Anderson PA.** "Surgery of the Rheumatoid Cervical Spine." AO/ASIF Spine Course, Nottingham, England, July 27-30, 1993.
13. **Anderson PA.** "Sacral Fractures." AO/ASIF Spine Course, Nottingham, England, July 27-30, 1993.
14. **Anderson PA.** "Posterior Instrumentation of Cervical Spine." State of the Spine from A to Z, University of Wisconsin, Puerto Rico, November 12-15, 1993.
15. **Anderson PA.** "Late Anterior Decompression." AO/ASIF Spine Course, Singapore, April 13-17, 1994.
16. **Anderson PA.** "Posterior Lateral Mass Fixation." AO/ASIF Spine Course, Singapore, April 13-17, 1994.
17. **Anderson PA.** "Non-operative Treatment of Thoracolumbar Fractures." AO/ASIF Spine Course, Singapore, April 13-17, 1994.
18. **Anderson PA.** "Rheumatoid Arthritis of the Cervical Spine." AO/ASIF Spine Course, Singapore, April 13-17, 1994.
19. **Anderson PA.** "Posterior Lateral Mass Fixation." AO/ASIF Spine Course, Montreal, Quebec, Canada, July 7-10, 1994.
20. **Anderson PA.** "Rheumatoid Arthritis of the Cervical Spine." AO/ASIF Spine Course, Montreal, Quebec, Canada, July 7-10, 1994.
21. **Anderson PA.** "Posterior Lateral Mass Fixation." AO/ASIF Spine Course, Davos, Switzerland, December 11-16, 1994.
22. **Anderson PA.** "Sacral Fractures." AO/ASIF Spine Course, Davos, Switzerland, December 11-16, 1994.
23. **Anderson PA.** "Rheumatoid Arthritis of the Cervical Spine." AO/ASIF Spine Course, Davos, Switzerland, December 11-16, 1994.
24. **Anderson PA.** "Indications for Surgery C1-C2 Fixation." AO/ASIF Spine Course, Nottingham, England, June 6-10, 1995.
25. **Anderson PA.** "Biomechanics of Cervical Fixation." AO/ASIF Spine Course, Nottingham, England, June 6-10, 1995.
26. **Anderson PA.** "Rheumatoid Arthritis." AO/ASIF Spine Course, Nottingham, England, June 6-10, 1995.

27. **Anderson PA.** "Rheumatoid Arthritis." AO/ASIF Spine Course, Hamilton, Bermuda, October 6-8, 1995.
28. **Anderson PA.** "Biomechanics of Cervical Fixation." AO/ASIF Spine Course, Hamilton, Bermuda, October 6-8, 1995.
29. **Anderson PA.** "Indications and Techniques for Operative Management of Posterior Approaches to the Spine." AO/ASIF Comprehensive Spine Course, Montreal, Quebec, Canada, July 16-19, 1998.
30. **Anderson PA.** "Anterior Approaches for Cervical Spondylitis." AO/ASIF Comprehensive Spine Course, Montreal, Quebec, Canada, July 16-19, 1998.
31. **Anderson PA.** "Anterior Surgery or Combined is the Treatment of Choice." AO/ASIF Interactive Spine Course, Montreal, Quebec, Canada, July 16-19, 1998.
32. **Anderson PA.** "Cervical Disc Myelopathy - Anterior." Fourteenth Annual Ski With the Spine Center, Whistler, B.C., Canada, January 19–25, 2002.
33. **Anderson PA.** "High Grade Spondylolisthesis." Department of Neurosurgery Katholieke Universiteit, Leuven, Belgium, June 11, 2002.
34. **Anderson PA.** "Posterior Fusion with 90-D Instrumentation." Spine Across the Seas North American Spine Society, Maui, HI, July 28, 2003.
35. **Anderson, PA.** "Cervical Disc Replacement: Bryan Disc US." First Annual Trans Atlantic Spine Congress Innovations in Spine Surgery, Dallas, TX, November, 2003.
36. **Anderson, PA.** "Cervical Disc Replacement: Bryan Disc US." Second Annual Trans Atlantic Spine Congress Innovations in Spine Surgery, Dallas, TX, November 13, 2004.
37. **Anderson PA,** Hacker R, Sasso RC, Rhee J. "Bryan Cervical Disc." Innovative Techniques in Spine Surgery, Los Cabos, Mexico, July 20-24, 2005.
38. **Anderson PA,** Clinical Outcomes of Cervical Disc Replacement. New Advances in Posterior Cervical Stabilization. European Cervical Spine Research Society. Berlin, Germany, May 19, 2006.
39. **Anderson PA.** "Clearing the Cervical Spine." Second Annual Latin American Symposium. Royal Oak, MI, June 2, 2006.
40. **Anderson PA.** "Cervical Disc Replacement" Second Annual Latin American Symposium. Royal Oak, MI, June 3, 2006.
41. **Anderson PA.** "Odontoid Fractures: Brace vs. Anterior vs. Posterior Surgery." American Academy of Orthopedic Surgery-SECOT. Barcelona, Spain, June 5, 2007.
42. **Anderson PA.** "Classification of Subaxial Cervical Spine Fractures." American Academy of Orthopedic Surgery-SECOT. Barcelona, Spain, June 5, 2007.
43. **Anderson PA.** "Cervical Spine Injuries in Children." American Academy of Orthopedic Surgery-SECOT. Barcelona, Spain, June 5, 2007.
44. **Anderson PA.** "Neurologic Dysfunction in the Elderly after Minor Non-Fracture Injuries to the Cervical Spine: What to Do and When." American Academy of Orthopedic Surgery-SECOT. Barcelona, Spain, June 5, 2007.



**PRESENTATIONS – NON-SCIENTIFIC MEETINGS****National**

1. **Anderson PA.** “Thoracolumbar Fractures and Spine Trauma Overview.” Fourth Annual Ski Snowbird with the Spine Center, Snowbird, Utah, March 13-15, 1992.
2. **Anderson PA.** “Cervical Laminectomy and Laminoplasty.” Spine Symposium, Asheville, NC, October 29-31, 1992.
3. **Anderson PA.** “Posterior Cervical Instrumentation and Techniques.” Spine Symposium, Asheville, NC, October 29-31, 1992.
4. **Anderson PA.** “Upper Cervical Spine Injuries.” AO/ASIF Spine Course, San Diego, CA, March 28-April 2, 1993.
5. **Anderson PA.** “Classification of Thoracolumbar Fractures.” AO/ASIF Spine Course, San Diego, CA, March 28-April 2, 1993.
6. **Anderson PA.** “Indications for Surgical Management of Chronic Neck Pain.” AO/ASIF Spine Course, San Diego, CA, March 28-April 2, 1993.
7. **Anderson PA.** “Cervical Spine Trauma.” AO/ASIF Spine Course, San Diego, CA, March 28-April 2, 1993.
8. **Anderson PA.** “Indications for Surgery C1-C2 Fixation.” AO/ASIF Spine Course, Hilton Head, SC, October, 1993.
9. **Anderson PA.** “Biomechanics of Cervical Fixation. AO/ASIF Spine Course, Hilton Head, SC, October, 1993.
10. **Anderson PA.** “Rheumatoid Arthritis.” AO/ASIF Spine Course, Hilton Head, SC, October, 1993.
11. **Anderson PA.** “The Workup and Treatment of Cervical Pain.” San Diego Spine Associates Symposium and Workshop, San Diego, CA, November 18-20, 1993.
12. **Anderson PA.** “Lower Cervical Spine Injuries and Treatment.” San Diego Spine Associates Symposium and Workshop, San Diego, CA, November 18-20, 1993.
13. **Anderson PA.** “Cervical Spine Injury.” '95 Spinal Outlook, The Homestead, Hot Springs, VA, May 11-13, 1995.
14. **Anderson PA.** “Complications of Cervical Fixation.” '95 Spinal Outlook, The Homestead, Hot Springs, VA, May 11-13, 1995.
15. **Anderson PA.** “Cervical Disc Replacement/New Technologies.” Clinical Challenges and Advancements in Spine Surgery, Carlsbad, CA, July 26-27, 2002.
16. **Anderson PA.** “Posterior Cervical Instrumentation: Biomechanics, Image Guidance & Pedicle Screws.” Clinical Challenges and Advancements in Spine Surgery, Carlsbad, CA, July 26-27, 2002.
17. **Anderson PA.** “Alternatives to Fusion: Artificial Disc. Current Concepts and Surgical Approaches for Lumbar Interbody Fusion.” Harborview Medical Center. University of Washington, Seattle, WA, May 2003.

18. **Anderson PA.** "Transarticular C1-2 and C1 Lateral Mass, C2 Pedicle Fixation." The 9th Advanced Techniques in Cervical Spine Decompression & Stabilization. St Louis University. St. Louis, MO. July 25-27, 2003.
19. **Anderson PA.** "Bryan Cervical Disc." Dynamic Spine Symposium. Dallas, TX. November 15, 2003.
20. **Anderson PA.** "Bryan Cervical Disc." Yale Spine Forum, Providence, RI, Sept 20, 2003.
21. **Anderson PA.** "Cervical Spine." Review and Update for Practicing Orthopaedic Surgeons. Chicago, IL. December 7, 2003.
22. **Anderson PA.** "Spine Trauma." Review and Update for Practicing Orthopaedic Surgeons. Chicago, IL. December 7, 2003.
23. **Anderson PA.** "Transarticular C1-2 and C1 Lateral Mass, C2 Pedicle Fixation." The 10th Advanced Techniques in Cervical Spine Decompression & Stabilization. St Louis University. St. Louis, MO. January 9-11, 2004.
24. **Anderson PA.** "Anatomy of the Vertebral Artery at C1-2. Ponticulus Posticus." North American Spine Society Cervical Fixation: A Hands-On Course. Rosemont, IL, January 21-22, 2005.
25. **Anderson PA.** "Spinous Process Wiring Techniques." North American Spine Society Cervical Fixation: A Hands-On Course. Rosemont, IL, January 21-22, 2005.
26. **Anderson PA.** "Meta-Analysis of Treatment of Herniated Lumbar Disc" North American Spine Society Spring Break 2006: Back to the Evidence, San Diego, CA, March 10, 2006.
27. **Anderson PA.** "Testing of Arthroplasty Devices." North American Spine Society Spring Break 2006: Back to the Evidence, San Diego, CA, March 11, 2006.
28. **Anderson PA.** "Clearing the Spine in Blunt Trauma." Mayo International Spine Symposium, Kona, HI, January 24, 2007.
29. **Anderson PA.** "Clinical Outcomes of Cervical Arthroplasty." Mayo International Spine Symposium, Kona, HI, January 25, 2007.
30. **Anderson PA.** "Interspinous Spacers." Mayo International Spine Symposium, Kona, HI, January 25, 2007.
31. **Anderson PA.** "C1-2 Fixation." The 11th Advanced Techniques in Cervical Spine Decompression & Stabilization. St Louis University, St. Louis, MO, July 2, 2007.
32. **Anderson PA.** Anterior Cervical Discectomy and Fusion. Symposium: Evidence Based Spine Surgery: The Best Studies of 2008-9. Northwestern University, Chicago, IL, January 23-24, 2010.
33. **Anderson PA.** "Dural Tear: Repair Techniques." Cervical Spine Decompression & Stabilization Techniques. The 3<sup>rd</sup> Cervical Spine Research Society Hands-On Cadaver Course. St. Louis, MO, January 28, 2010.
34. **Anderson PA.** "Cervical Disc Replacement Will Become the Gold Standard." Cedars-Sinai 9th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV, February 6, 2010.

35. **Anderson, PA.** "PRESTIGE 5 Year Clinical Outcomes." Cedars-Sinai 9th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV, February 6, 2010.
36. **Anderson, PA.** "Indications, Patient Selection and Contraindications." Cedars-Sinai 9th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV, February 6, 2010.
37. **Anderson PA.** "Cervical Disc Arthroplasty." Diagnosis and Treatments in Cervical Spine Surgery North American Spine Society Hands-On Course. Burr Ridge, IL, March 20, 2011.
38. **Anderson PA.** "Indications, Patient Selection and Contraindications." Diagnosis and Treatments in Cervical Spine Surgery. North American Spine Society Hands-On Course. Burr Ridge, IL, March 20, 2011.
39. **Anderson PA.** "Dural Tears." Diagnosis and Treatments in Cervical Spine Surgery North American Spine Society Hands-On Course. Burr Ridge, IL, March 20, 2011.
40. **Anderson PA.** "Dural Repair Model." Simulation Based Neurosurgical Training. Congress of Neurological Surgeons. Practicum. Washington, DC, October 2, 2011.
41. **Anderson, PA.** "A Critical Review of a Critical Review of rhBMP2." Cedars-Sinai 11th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV, February 3, 2012.
42. **Anderson, PA.** "Where is the Future of Motion Preservation Heading?" Controversies in Complex Spine Surgery AOSpine. Snowbird, UT, February 18, 2012.
43. **Anderson PA.** "What Does the Yale Report Say?" The 12<sup>th</sup> Annual Symposium on Current Concepts in Spinal Disorders (Cedars-Sinai). Las Vegas, NV, January 31-February 2, 2013.
44. **Anderson PA.** "Modifiable Factors to Prevent Surgical Site Infection" for Infection Control. North American Spine Society Section on Biologics & Basic Research Webinar Series. June 19, 2013.
45. **Anderson PA.** "Vitamin D for the Spine Surgeon." for Osteoporosis and the Elderly. North American Spine Society Section on Biologics & Basic Research Webinar Series. July 17, 2013.
46. **Anderson PA.** "Cancer Risks in BMP." for BMP: Post-YODA Risk Management. North American Spine Society Section on Biologics & Basic Research Webinar Series. August 21, 2013.
47. **Anderson PA.** "The Future of Biologics in Spine Surgery: BMP or Allogeneic Stem Cells." Lumbar Spine Research Society Biologics Committee Webinar. November 4, 2013.
48. **Anderson PA.** "Pelvic Stability in Sacral Fractures." for Sacral Fractures. Lumbar Spine Research Society Biologics Committee Webinar. April 22, 2014.

**PRESENTATIONS – NON-SCIENTIFIC MEETINGS****Regional and Local**

1. **Anderson PA.** “Developmental Coxa Vara.” Orthopaedic Clinic Days, Children's Hospital of Michigan, Detroit, MI, May 1983.
2. **Anderson PA.** “Developmental Coxa Vara.” Detroit Academy of Orthopaedic Surgeons, Detroit, MI, May 1983.
3. **Anderson PA.** “Acute Hematogenous Osteomyelitis in Children.” Michigan Orthopaedic Society, Grayling, MI, 1984.
4. **Anderson PA.** “Neck Pain.” Guest Lecturer, Wayne State University, Detroit, MI, April 1985.
5. **Anderson PA.** “Residential Orthopaedic Basic Skills Workshop.” Orientation for Orthopaedic, Surgery, and Family Practice R-II Residents: Faculty participant, Issaquah, WA, 1986.
6. **Anderson PA.** “Anterior Decompression of the Cervical Spine Following Traumatic Quadriplegia.” Seattle Surgical Society, Seattle, WA, January 17, 1986.
7. **Anderson PA.** “Cervical Spine Injuries.” Guest Lecturer, Wayne State University, Detroit, MI, April 1986.
8. **Anderson PA.** “The Painful Spine.” University of Washington Retirement Association, Seattle, WA, April 22, 1986.
9. **Anderson PA.** “Anterior Decompression of the Cervical Spine Following Traumatic Quadriplegia.” Western Orthopaedic Association, Yakima, WA, May 10, 1986.
10. **Anderson PA.** “Cervical Spine Injuries.” Guest Lecturer, Madigan Army Hospital, Tacoma, WA, September 13, 1986.
11. **Anderson PA.** “Residential Orthopaedic Basic Skills Workshop.” Orientation for Orthopaedic, Surgery, and Family Practice R-II Residents Faculty participant, Issaquah, WA, 1987.
12. **Anderson PA.** “The Role of Early Bone Grafting in Open Tibial Shaft Fractures.” Seattle Surgical Society, Seattle, WA, January 17, 1987.
13. **Anderson PA.** “The Painful Neck.” University of Washington Continuing Medical Education Course. Primary Care Orthopaedics, Seattle, WA, March 7, 1987.
14. **Anderson PA.** “Office Management of Low Back Pain.” Auburn General Hospital, Auburn, WA, May 26, 1987.
15. **Anderson PA.** “The Role of Early Bone Grafting in Open Tibial Shaft Fractures.” Washington Orthopaedic Association Meeting, Lake Chelan, WA, June 20, 1987.
16. **Anderson PA.** “Late Anterior Decompression: Is it for You?” Spinal Cord Society Annual Meeting, Seattle, WA, July 24, 1987.
17. **Anderson PA.** “Spinal Trauma.” Visiting Professor, Grand Rounds, Department of Orthopaedics, University of California Medical School at Davis, Sacramento, CA, July 28, 1987.

18. **Anderson PA.** "Management of Cervical Spines." Visiting Professor, Department of Orthopaedics, Henry Ford Hospital, Detroit, MI, September 19, 1987.
19. **Anderson PA.** "Care of Multiply Injured Patients." Visiting Professor, Department of Orthopaedics, Henry Ford Hospital, Detroit, MI, September 19, 1987.
20. **Anderson PA.** "Anterior Decompression." Neurosurgery Update Review Course, Seattle, WA, October 16, 1987.
21. **Anderson PA.** "Examination of the Cervical Spine." University of Washington Continuing Medical Education Course, Primary Care Orthopaedics, Seattle, WA, February 26, 1988.
22. **Anderson PA.** "The Painful Neck." Primary Care Orthopaedics University of Washington Continuing Medical Education Course, Seattle, WA, February 26, 1988.
23. **Anderson PA.** "Upper Cervical Spine Injuries." Grand Rounds: University of South Florida at Tampa, Department of Orthopaedics, Tampa, FL, April 8, 1988.
24. **Anderson PA.** "Scoliosis: Diagnosis, Classification and Surgical Treatment." Physical Medicine and Rehabilitation Review Course, Seattle, WA, April 22, 1988.
25. **Anderson PA.** "Treatment of Acute Spinal Cord Injured Patient and Surgical Stabilization." Physical Medicine and Rehabilitation Review Course, Seattle, WA, April 22, 1988.
26. **Anderson PA.** "Catastrophic Head and Neck Injuries in High School Athletes." Coaches' Clinic Washington Orthopaedic and Fracture Clinic, Centralia, WA, September 17, 1988.
27. **Anderson PA.** "Thoracolumbar Distraction Injuries." Herbert Pederson, MD Memorial Lectureship, Wayne State University, Detroit, MI, October 7, 1988.
28. **Anderson PA.** "Injuries to the Upper Cervical Spine." Herbert Pederson, MD Memorial Lectureship, Wayne State University, Detroit, MI, October 7, 1988.
29. **Anderson PA.** "Catastrophic Neck Injuries in the Athlete." Continuing Medical Education Medical Updates, Orthopaedic Symposia, University of Washington, Seattle, WA, November 4, 1988.
30. **Anderson PA.** "Biomechanics Testing of the Spine." Grand Rounds: University of Washington School of Medicine, Department of Neurological Surgery, Seattle, WA, January 11, 1989.
31. **Anderson PA.** "Surgical Management of Osteoporosis." Puget Sound Spine Interest Group, Swedish Medical Center, Seattle, WA, January 12, 1989.
32. **Anderson PA.** "Post-Op Neurologic Problems in Laminectomy Patients." Puget Sound Spine Interest Group, Swedish Medical Center, Seattle, WA, February 16, 1989.
33. **Anderson PA.** "Physical Exam of the Neck." Primary Care Orthopaedics University of Washington Continuing Medical Education Course, Seattle, WA, March 17, 1989.
34. **Anderson PA.** "Evaluation and Treatment of Neck Pain." Primary Care Orthopaedics University of Washington Continuing Medical Education Course, Seattle, WA, March 17, 1989.
35. **Anderson PA.** "Treatment of Acute Spinal Cord Injured Patient and Surgical Stabilization." Physical Medicine and Rehabilitation Review Course, Seattle, WA, March 21, 1989.

36. **Anderson PA.** "Treatment of Thoracolumbar Fractures." Orthopaedic Trauma Update, University of Washington Continuing Medical Education Course, Spokane, WA, June 9, 1989.
37. **Anderson PA.** "Early Management and Diagnosis of Spinal Fractures. Orthopaedic Trauma Update, University of Washington Continuing Medical Education Course, Spokane, WA, June 9, 1989.
38. **Anderson PA.** "Current Concepts of Spinal Injuries." Puget Sound Spine Interest Group, Swedish Medical Center, Seattle, WA, November 30, 1989.
39. **Anderson PA.** "Traumatic Spine Disorders." Department of Neurological Surgery Grand Rounds, Seattle, WA, January 17, 1990.
40. **Anderson PA.** "Treatment of Acute Spinal Cord Injury and Surgical Stabilization." Physical Medicine and Rehabilitation Course Presented by University of Washington Continuing Medical Education, Bellevue, WA, March 26-April 6, 1990.
41. **Anderson PA.** "Neck Pain." Orthopaedic Update University of Washington Continuing Medical Education Course, Maui, Hawaii, March 31-April 4, 1990.
42. **Anderson PA.** "Treatment of Spinal Injuries." Orthopaedic Update University of Washington Continuing Medical Education Course, Maui, Hawaii, March 31-April 4, 1990.
43. **Anderson PA.** "Management of Acute Spine Trauma." Tennessee Orthopaedic Society Annual Meeting, Knoxville, TN, April 5-6, 1990.
44. **Anderson PA.** "Progression of Neurologic Deficits in Spinal Cord Injury." Tennessee Orthopaedic Society Annual Meeting, Knoxville, TN, April 5-6, 1990.
45. **Anderson PA.** "Posterior Cervical Spine Fusion Using AO Reconstruction Plates." North Pacific Orthopaedic Society, Blaine, WA, May 27, 1990.
46. **Anderson PA.** "Current Concepts in Treatment of Spinal Cord Injury." Senior Resident Research Thesis Presentation, University of Michigan, Ann Arbor, MI, June 14-16, 1990.
47. **Anderson PA.** "Progressive Neurologic Deterioration of Spine-Injured Patients Treated at a Level I Trauma Center." Senior Resident Research Thesis Day, University of Michigan, Ann Arbor, MI, June 14-16, 1990.
48. **Anderson PA.** "A Study of New Bone Formation by Sodium Fluoride Stimulation." Herbert E. Pedersen, MD, Memorial Lectureship, Wayne State University, Detroit, MI, October 26, 1990.
49. **Anderson PA.** "Neurological Deterioration in Spinal Injured Patients Treated at a Level I Trauma Center." Spinal Cord Injury in the 90's: Future Trends in Medical Management and Treatment, Baylor University, Dallas, TX, November 2, 1990.
50. **Anderson PA.** "Anatomy and Biomechanics of the Cervical Spine." Fall Symposium: Athletic Injuries of the Head and Neck, Swedish Hospital Medical Center Spine Institute, Seattle, WA, November 16, 1990.
51. **Anderson PA.** "Neck Pain." Musculoskeletal Diseases for the Primary Care Physician, University of Washington Continuing Medical Education Course, Seattle, WA, February 21-23, 1991.

52. **Anderson PA.** "Treatment of Cervical Spine Injuries." Rehabilitation Medicine Grand Rounds, University of Washington, Seattle, WA, February 11, 1991.
53. **Anderson PA.** "Failure of Halo-Vest to Prevent In-Vivo Motion in Patients with Injured Cervical Spines." Annual Pre-Academy Meeting, Seattle, WA, February 25, 1991.
54. **Anderson PA.** "Treatment of Acute Spinal Cord Injury and Surgical Stabilization." Physical Medicine and Rehabilitation Course Presented by University of Washington Continuing Medical Education, Bellevue, WA, April 16, 1991.
55. **Anderson PA.** "Treatment of Thoraco-Lumbar Injuries." Rehabilitation Medicine Grand Rounds, University of Washington, Seattle, WA, May 13, 1991.
56. **Anderson PA, Henley MB, Grady MS, Montesano PX, Winn HR.** "Posterior Cervical Fusion Using AO Reconstruction Plates and Iliac Bone Graft." Western Orthopaedic Association Annual Retreat, Port Ludlow, WA, May 18, 1991.
57. **Anderson PA.** "Treatment of Acute SCI and Surgical Stabilization." 15th Annual Review Course in Physical Medicine and Rehabilitation, Bellevue, WA, March 9, 1992.
58. **Anderson PA.** "Use of Antibiotics in the Management of Severe Open Fractures." Western Orthopaedic Association Retreat, Blaine, WA, May 16, 1992.
59. **Anderson PA.** "Approach to the Patient with Neck Pain." Musculoskeletal Diseases for the Primary Care Physician Course, Seattle, WA, May 28, 1992.
60. **Anderson PA.** "Late Anterior Decompression in Cervical Spinal Cord Injuries." Modern Management of Vertebral Trauma and Spinal Cord Injury, Seattle, WA, May 29-30, 1992.
61. **Anderson PA.** "Timing and Indications for Surgical Interventions." Modern Management of Vertebral Trauma and Spinal Cord Injury, Seattle, WA, May 29-30, 1992.
62. **Anderson PA.** "Fractures of the Thoracolumbar Spine." AO/ASIF Advanced Operating Room Personnel Course, Seattle, WA, October 25-26, 1992.
63. **Anderson PA.** "Thoracolumbar Spine Fractures: Indications, Techniques and Results." AO/ASIF Residents Basic Course, Seattle, WA, October 23-26, 1992.
64. **Anderson PA.** "Classification and Treatment of Thoracolumbar Fractures." Orthopaedic Trauma Update, Spokane, WA, November 20, 1992.
65. **Anderson PA.** "Emergent Management of Spinal Cord Injuries." Orthopaedic Trauma Update, Spokane, WA, November 20, 1992.
66. **Anderson PA.** "Treatment of Acute SCI and Surgical Stabilization." Sixteenth Annual Review Course in Physical Medicine and Rehabilitation, Seattle, WA, March 15-25, 1993.
67. **Anderson PA.** "Late Anterior Decompression Following Spinal Cord Injury." Diagnosis and Treatment of Diseases of the Cervical Spine, St. Luke's 29th Annual Orthopaedic Symposium, Houston, TX, April 23-24, 1993.
68. **Anderson PA.** "Posterior Cervical Plate Fixation." Diagnosis and Treatment of Diseases of the Cervical Spine, St. Luke's 29th Annual Orthopaedic Symposium, Houston, TX, April 23-24, 1993.
69. **Anderson PA.** "Upper Cervical Spine Injuries." Diagnosis and Treatment of Diseases of the Cervical Spine, St. Luke's 29th Annual Orthopaedic Symposium, Houston, TX, April 23-24, 1993.

70. **Anderson PA.** "Halo-Vest Immobilization." Diagnosis and Treatment of Diseases of the Cervical Spine, St. Luke's 29th Annual Orthopaedic Symposium, Houston, TX, April 23-24, 1993.
71. **Anderson PA.** "Cervical Instrumentation." Northwest Spine Review, Seattle, WA, April 30 - May 1, 1993.
72. **Anderson PA.** "Neoplastic Disease of the Spine." Northwest Spine Review, Seattle, WA, April 30 - May 1, 1993.
73. **Anderson PA.** "Cervical Myelopathy: Anterior vs. Posterior Management." Northwest Spine Review, Seattle, WA, April 30 - May 1, 1993.
74. **Anderson PA.** Cervical Spine. Orthopaedic Conference, Madigan Army Medical Center, Tacoma, WA, June 5, 1993.
75. **Anderson PA.** "Pediatric Spinal Injuries." Children's Orthopaedic Conference: Controversies & Current Concepts in Pediatric Trauma, Seattle, WA, August 27-28, 1993.
76. **Anderson PA.** "Occipital Cervical Plate Fixation." North Pacific Orthopaedic Society, Stevenson, WA, September 19, 1993.
77. **Anderson PA.** "Decision Making and Treatment of Thoracolumbar Fractures." Orthopaedic Trauma Update, Missoula, Mont, October 15-16, 1993.
78. **Anderson PA.** "Emergent Management of Spinal Cord Injuries." Orthopaedic Trauma Update, Missoula, Mont, October 15-16, 1993.
79. **Anderson PA.** "Fractures of the Sacrum." Ed Smith Lectureship, University of Texas, Houston, TX, October 28-29, 1993.
80. **Anderson PA.** "Surgical Treatment of Cervical Spine Trauma." Ed Smith Lectureship, University of Texas, Houston, TX, October 28-29, 1993.
81. **Anderson PA.** "Classification of Spine Trauma." Ed Smith Lectureship, University of Texas, Houston TX, October 28-29, 1993.
82. **Anderson PA.** "Low Back Pain." Musculoskeletal Disease Course, University of Washington, Seattle, WA, January 13, 1995.
83. **Anderson PA.** "The Surgical Management of Lumbar Spine Disorders." Providence Hospital Seattle, WA, March 9, 1995.
84. **Anderson PA.** "Cervical Spine Fractures." Spine Interest Group, San Bernardino, CA, March 30, 1995.
85. **Anderson PA.** "The Surgical Management of Lumbar Spine Disorders." St. Joseph Hospital, Tacoma, WA, May 25, 1995.
86. **Anderson PA.** "Treatment of Osteoporotic Spinal Fractures." Eighth Annual Rae R. Jacobs Memorial Lecture, Kansas City, MO, March 29-30, 1996.
87. **Anderson PA.** "Late Anterior Decompression of Thoracolumbar Spine Fractures." Eighth Annual Rae R. Jacobs Memorial Lecture, Kansas City, MO, March 29-30, 1996.
88. **Anderson PA.** "Non-Surgical Treatment of Patients with Thoracolumbar Spine Fractures." Eighth Annual Rae R. Jacobs Memorial Lecture, Kansas City, MO, March 29-30, 1996.



89. **Anderson PA.** "Cervical Spine Fixation Techniques." Eighth Annual Rae R. Jacobs Memorial Lecture, Kansas City, MO, March 29-30, 1996.
90. **Anderson PA.** "Surgical Treatment of Cervical Spinal Cord Injuries." Emory University Orthopaedic Grand Rounds, Atlanta, GA, December 3, 1996.
91. **Anderson PA.** "Thoracolumbar Fractures." Atlanta Orthopaedic Society, Atlanta, GA, December 2, 1996.
92. **Anderson PA.** "Anterior Interbody Lumbar Arthrodesis with Cages." North Pacific Orthopaedic Society, Chelan, WA, September 19, 1997.
93. **Anderson PA.** "Lower Cervical Spine Injuries." Eleventh Annual Herbert E. Pedersen, MD, Memorial Lectureship, Detroit, MI, October 17, 1997.
94. **Anderson PA.** "Biomechanics of Wood Joinery." University of Michigan Sofamor Danek Spine Lectureship, Ann Arbor, MI, August 6, 1998.
95. **Anderson PA.** "Rheumatoid Arthritis of the Cervical Spine." University of Michigan Sofamor Danek Spine Lectureship, Ann Arbor, MI, August 6, 1998.
96. **Anderson PA.** "Cages: Are They for Real?" Puget Sound Chapter, Washington Orthopaedic Association, Seattle, WA, September 17, 1998.
97. **Anderson PA.** "Thoracolumbar Spine Fractures." North Pacific Orthopaedic Society, Sun River, OR, September 26, 1998.
98. **Anderson PA.** "Thoracolumbar Spine Fractures." University of Texas, Dallas, TX, January 21, 1999.
99. **Anderson PA.** "Thoracolumbar Spine Fractures." Texas Back Institute, Dallas, TX, January 22, 1999.
100. **Anderson PA.** "Lower Cervical Spine Injuries." Grand Rounds, Birmingham, AL, February 19, 1999.
101. **Anderson PA.** "Diagnosis and Treatment of Low Back Pain." Grand Rounds, Birmingham, AL, February 20, 1999.
102. **Anderson PA.** "Thoracolumbar Fractures." Grand Rounds, Minneapolis, MN, April 23, 1999.
103. **Anderson PA.** "Rheumatoid Arthritis of the Cervical Spine." Academic Conference, Minneapolis, MN, April 23, 1999.
104. **Anderson PA.** "Anatomy and Biomechanics of the Occipito-Cervical Junction." Spine Trauma Symposium, Indianapolis, IN, May 22, 1999.
105. **Anderson PA.** "Posterior Thoracolumbar Surgical Approaches for Spinal Cord Injury." Spine Trauma Symposium, Indianapolis, IN, May 22, 1999.
106. **Anderson PA.** "Low Back Pain." Orthopaedic Resident Workshop, University of Washington, Seattle, WA, June 28, 1999.
107. **Anderson PA.** "Cervical Pain." Orthopedics for Primary Care Physicians, Swedish Medical Center, Seattle, WA, October 8, 1999.
108. **Anderson PA.** "Cervical Fractures." Cleveland Orthopaedic Society, R. Geoffrey Wilber, MD, Lectureship, Cleveland, OH, November 5-6, 1999.

109. **Anderson PA.** "Diagnosis and Treatment of Discogenic Low Back Pain." Cleveland Orthopaedic Society, R. Geoffrey Wilber, MD, Lectureship, Cleveland, OH, November 5-6, 1999.
110. **Anderson PA.** "Spinal Fractures." Cleveland Orthopaedic Society, R. Geoffrey Wilber, MD, Lectureship, Cleveland, OH, November 5-6, 1999.
111. **Anderson PA,** Bryan V. "Spinal Implants." Puget Sound Spine Interest Group, Seattle, WA, February 15, 2001.
112. **Anderson PA.** "Spinal Implants." Grand Rounds Case Western Reserve University, Department of Orthopaedic Surgery, Cleveland, OH, March 10, 2001.
113. **Anderson PA.** "Cervical Disc Replacement." Grand Rounds Harborview Medical Center, University of Washington, Seattle, WA, 2001.
114. **Anderson PA.** "Kyphoplasty." Grand Rounds Harborview Medical Center, University of Washington, Seattle, WA, January 5, 2002.
115. **Anderson PA.** "Cervical Disc Prosthesis." Fourteenth Annual Meeting Texas Spine Society, Austin, TX, April 13, 2002.
116. **Anderson PA.** "Cervical Fusion Techniques." Fourteenth Annual Meeting Texas Spine Society, Austin, TX, April 13, 2002.
117. **Anderson PA.** "Cervical Disc Replacement." Annual Meeting, Northwest Rheumatism Society, Seattle, WA, May 4, 2002.
118. **Anderson PA.** "Cervical Disc Replacement." You Heard It Here First, Wayne State University School of Medicine, Detroit, MI, May 11, 2002.
119. **Anderson PA.** "High Grade Spondylolisthesis." Controversies and New Techniques in the Reconstruction of the Thoraco-Lumbar Spine, Harborview Medical Center, University of Washington, Seattle, WA, May 18, 2002.
120. **Anderson PA.** "Minimally Invasive Procedures Anterior and Posterior: Where Do We Stand?" Controversies and New Techniques in the Reconstruction of the Thoraco-Lumbar Spine, Harborview Medical Center, University of Washington, Seattle, WA, May 18, 2002.
121. **Anderson PA.** "Spinal Stability in Metastatic Disease." Oncology Grand Rounds, University of Wisconsin, Madison, WI, April 16, 2003.
122. **Anderson PA.** "Cervical Disc Replacement." Department of Orthopedics Grand Rounds, University of Wisconsin, Madison, WI, July 9, 2003.
123. **Anderson PA.** "Cement Augmentation of Osteoporotic Fracture." Grand Rounds, Beloit Memorial Hospital, Beloit, WI, February 11, 2004.
124. **Anderson PA.** "Spine Trauma." Department of Orthopedics Grand Rounds, Beaumont Hospital, Royal Oak, MI, February 17, 2004.
125. **Anderson PA.** "Cervical Disc Replacement." University of Wisconsin Department of Surgery Research Seminar. Madison, WI, March 25, 2004.
126. **Anderson PA.** "Cement Augmentation of Osteoporotic Fracture." Endocrinology Grand Rounds, University of Wisconsin, Madison, WI, April 22, 2004.
127. **Anderson PA.** "Cervical Myelopathy." Cervical Spine Update 2004 - Advanced Surgical Techniques, New England Baptist Hospital, Boston, MA. April 30, 2004.

128. **Anderson PA.** "Occipitocervical Fusion Techniques." Cervical Spine Update 2004 Advanced Surgical Techniques, New England Baptist Hospital, Boston, MA, April 30, 2004.
129. **Anderson PA.** "Developing a Research Plan." University of Wisconsin Medical Student Research Forum, Madison, WI, May 21, 2004.
130. **Anderson PA.** "Low Back Pain in Golfers." University of Wisconsin Sports Medicine Forum, Madison, WI, May 21, 2004.
131. **Anderson PA.** "Clearing the Thoraco-lumbar Spine." University of Wisconsin Trauma Conference, Madison, WI, September 2, 2004.
132. **Anderson PA.** "Basic Science of Degenerative Disc Disease." Lumbar Spine Update: Tips and Tricks for Improved Outcomes. Kansas City, KS, September 17-18, 2004.
133. **Anderson PA.** "Disc Arthroplasty." Lumbar Spine Update: Tips and Tricks or Improved Outcomes. Kansas City, KS, September 17-18, 2004.
134. **Anderson PA.** "Disc Arthroplasty." Controversies in Cervical Spine Surgery. St Joseph Hospital Spine Symposium, Huntington Beach, CA, September 24, 2004.
135. **Anderson PA.** "Cervical Spine Trauma." Visiting Professor Department of Orthopedics, Rush University Medical Center, Chicago, IL, October 6, 2004.
136. **Anderson PA.** "Spinal Trauma." Grand Rounds Department of Radiology, University of Wisconsin, Madison, WI, October 7, 2004.
137. **Anderson PA.** "Intervertebral Disc Replacement." Department of Bioengineering, University of Wisconsin, Madison, WI, October 18, 2004.
138. **Anderson PA.** "Cervical Radiculopathy/Myelopathy." Disorders of the Spine. NYU-Hospital for Joint Diseases Department of Orthopaedic Surgery (in affiliation with the NYU Department of Neurosurgery). New York, NY, October 22, 2004.
139. **Anderson PA.** "Cervical Trauma." Disorders of the Spine. NYU-Hospital for Joint Diseases Department of Orthopaedic Surgery (in affiliation with the NYU Department of Neurosurgery). New York, NY, October 23, 2004.
140. **Anderson PA.** "Evaluation of the Spinal Injured Patient." Visiting Professor Wayne State University Affiliated Hospitals. Detroit, MI, June 1, 2005.
141. **Anderson PA.** "Designing a Research Project." Visiting Professor Wayne State University Affiliated Hospitals. Detroit, MI, June 1, 2005.
142. **Anderson PA.** "Evaluation of the Spinal Injured Patient." Visiting Professor St. Louis University School of Medicine Department of Orthopaedic Surgery, June 4, 2005.
143. **Anderson PA.** "Traumatic Orthopedic Injuries." University of Wisconsin 37th Annual Emergency Care, Trauma and Emergency Medicine Symposium. Baraboo, WI, June 7-10, 2005.
144. **Anderson PA.** "Classification of Spinal Injuries." University of Washington Harborview Medical Center Seattle, WA, February 23, 2006.
145. **Anderson PA.** "Cervical Disc Arthroplasty." Puget Sound Spine Interest Group. Seattle, WA, February 23, 2006.
146. **Anderson PA.** "Interspinous Spinous Distraction". Ohio Orthopedic Society, Cleveland, OH, May 12, 2006.
147. **Anderson PA.** "Cervical Disc Arthroplasty." Ohio Orthopedic Society, Cleveland, OH, May 12, 2006.
148. **Anderson PA.** "Alternatives to Fusion." The Aging Spine, Lake Geneva, WI, August 12, 2006.

149. **Anderson PA.** "Cervical Myelopathy: Anterior and Posterior Approach." The Aging Spine, Lake Geneva, WI, August 12, 2006.
150. **Anderson PA.** "Motion Sparing Techniques in Spinal Surgery." 17th Annual Colorado Spine Symposium, Denver, CO, October 20, 2006.
151. **Anderson PA.** "Classification of Spinal Trauma - Cervical." 17th Annual Colorado Spine Symposium, Denver, CO, October 20, 2006.
152. **Anderson PA.** "Cervical Disc Arthroplasty." Grand Rounds Harvard Brigham Women's Hospital, Boston, MA, March 7, 2007.
153. **Anderson PA.** "Motion Sparing Technology." Grand Rounds Cleveland Clinic Department of Neurosurgery, Cleveland, OH, March 29, 2007.
154. **Anderson PA.** "Clearing the Cervical Spine." Grand Rounds Cleveland Clinic Department of Neurosurgery, Cleveland, OH, March 30, 2007.
155. **Anderson PA.** "Evaluation of the Spinal Trauma Patient." 2007 Laura B Flawn MD Lectureship in Diseases of the Spine and Spine Trauma, University of Texas - San Antonio, April 26, 2007.
156. **Anderson PA.** "Treatment of Thoracolumbar Fractures." 2007 Laura B Flawn MD Lectureship in Diseases of the Spine and Spine Trauma, University of Texas - San Antonio, April 26, 2007.
157. **Anderson PA.** "Cervical Disc Arthroplasty." Robert W. Johnson, Jr. Visiting Professor, 9<sup>th</sup> Annual Richard N. Stauffer Resident Graduation Day, The Johns Hopkins University Department of Orthopaedic Surgery, Baltimore, MD, June 9, 2007.
158. **Anderson PA.** "Spinal Cord Injuries." 39<sup>th</sup> Annual Emergency Care and Trauma Symposium, University of Wisconsin School of Medicine and Public Health, Wisconsin Dells, WI, June 29, 2007.
159. **Anderson PA.** "New Concepts in Cervical Spine Trauma." Grand Rounds Cedar Sinai Hospital Los Angeles, CA, June 27, 2007.
160. **Anderson PA.** "Cervical Disc Arthroplasty" Cedar Sinai Hospital Los Angeles, CA, June 28, 2007.
161. **Anderson PA.** "Mechanical Testing of Interbody Cages." Sheboygan, WI, July 9, 2008.
162. **Anderson PA.** "Diagnosis and Treatment of Spinal Stenosis & Fractures in the Elderly Population." 2007 Fall Conference Wisconsin Association of Medical Directors, Madison, WI, October 13, 2007.
163. **Anderson PA.** "Cervical disc arthroplasty." Mayo Clinic, Rochester, MN, October 8, 2007.
164. **Anderson PA.** "Evaluation of the Cervical Spine." Grand Rounds Mayo Clinic, Rochester, MN, October 9, 2007.
165. **Anderson PA.** "New Concepts in Cervical Spine Trauma." Visiting Professor University of Florida at Jacksonville, Jacksonville, FL, April 17-18, 2008.
166. **Anderson PA.** "Cervical Disc Arthroplasty." Visiting Professor University of Florida at Jacksonville, Jacksonville, FL, April 17-18, 2008.
167. **Anderson PA.** "Cervical Disc Arthroplasty." Visiting Professor Carolina Medical Center, Charlotte, NC, April 24, 2008.
168. **Anderson PA.** "Evaluation of Cervical Spine Injuries." Visiting Professor Hartford, CT, March 5-6, 2009.
169. **Anderson PA.** "Cervical Disc Arthroplasty." Visiting Professor Hartford, CT, March 5-6, 2009.

170. **Anderson PA.** "Contact Sports and Spinal Cord Injuries." 41st Annual Emergency Care and Trauma Symposium, Wisconsin Dells, WI, June 24-26, 2009.
171. **Anderson PA.** "Motion Sparing Technology." Spine & Neurosciences Conference Aspirus Wausau Hospital. Wausau, WI, October 21, 2010.
172. **Anderson PA.** "Sacroiliac Joint." Puget Sound Spine Interest Group. Seattle, WA, March 24, 2011.
173. **Anderson PA.** "New Methods to Measure Bone Quality." Spine Visiting Professor University of Wisconsin Department of Orthopedics and Rehabilitation, Madison, WI, April 12, 2011.
174. **Anderson PA.** "Meta-Analysis of Vertebroplasty." Spine Visiting Professor University of Wisconsin Department of Orthopedics and Rehabilitation, Madison, WI, April 12, 2011.
175. **Anderson PA.** "Classification of Thoracolumbar Injuries." Spine Visiting Professor University of Wisconsin Department of Orthopedics and Rehabilitation, Madison, WI, April 12, 2011.
176. **Anderson PA.** "Safety and Efficacy of Cervical Traction. Spine Visiting Professor University of Wisconsin Department of Orthopedics and Rehabilitation, Madison, WI, April 12, 2011.
177. **Anderson PA.** "Meta-Analysis." Basic Science Lecture University of Wisconsin Department of Orthopedics and Rehabilitation. Madison WI, May 2, 2011.
178. **Anderson PA.** "Emerging Concepts in Spine Trauma." Citywide Spine Conference. Northwestern. Chicago, IL May 19, 2011.
179. **Anderson PA.** "Tribology." Grand Rounds Northwestern University Department of Orthopedics. Chicago, IL May 20, 2011.
180. **Anderson PA.** "Tribology of Disc Replacement." Japanese Traveling Fellows University of Wisconsin Department of Orthopedics and Rehabilitation. Madison WI, July 7, 2011.
181. **Anderson PA.** "Emerging Concepts in Thoracolumbar Trauma" Grand Rounds University of Wisconsin Department of Orthopedics and Rehabilitation. Madison WI, August 3, 2011.
182. **Anderson PA.** "Diagnosis and Management of Acute Spine Disorders." CME State of the Art Speaker Series, Department of Hospital Medicine. Madison, WI, August 10, 2011.
183. **Anderson PA.** "Latest Developments in the Surgical Treatment of Lumbar Radiculopathy (Spinal Stenosis and Ruptured Disc)." Mini-Med School University of Wisconsin School of Medicine and Public Health. Madison WI, September 12, 2011.
184. **Anderson PA.** "Developing a Research Plan." Rehabilitation Residents University of Wisconsin Department of Orthopedics and Rehabilitation. Madison WI, November 21, 2011.
185. **Anderson PA.** "Motion Preservation: A New Paradigm in Spine Surgery?" Wisconsin Society of PM&R. Madison WI, January 21, 2012.
186. **Anderson PA.** "New Method to Measure Bone Mineral Density." Spring Visiting Professor. University of Wisconsin Department of Orthopedics and Rehabilitation. Madison WI, March 30, 2012.
187. **Anderson PA.** "Cement Augmentation in Osteoporotic Fractures." Spring Visiting Professor. University of Wisconsin Department of Orthopedics and Rehabilitation. Madison WI, March 30, 2012.
188. **Anderson PA.** "Safety and Efficacy of Cervical Traction." Spring Visiting Professor. University of Wisconsin Department of Orthopedics and Rehabilitation. Madison WI, March 30, 2012.

189. **Anderson PA.** "MSK Talk - C-Spine Anatomy, Function, Dysfunction and Treatment." University of Wisconsin School of Medicine. Madison WI, April 13, 2012.
190. **Anderson PA.** "Management of C-Spine Injuries in Athletes." 35<sup>th</sup> Annual University of Wisconsin Sports Medicine Symposium. Madison WI, May 3, 2012.
191. **Anderson PA.** "Use of BMP in Spinal Fusions." Visiting Professor University of California at San Francisco, San Francisco, CA, June 2, 2012.
192. **Anderson PA.** "Motion Preservation." Orthopedic Rehab Specialists, Rockford, IL. August 2, 2012.
193. **Anderson PA.** "BMP: Should We or Shouldn't We?" Pittsburgh Spine Summit, Pittsburgh, PA, September 7, 2012.
194. **Anderson PA.** "Oral-Maxillofacial Applications of Bone Morphogenetic Protein." University of Wisconsin, Department of ENT Grand Rounds Oct, 3, 2012.
195. **Anderson PA.** "Cauda Equina Syndrome." M&M University of Wisconsin Department of Medicine. Madison, WI. March 22, 2013.
196. **Anderson PA.** "MSK Talk - C-Spine Anatomy, Function, Dysfunction and Treatment." University of Wisconsin School of Medicine. Madison WI, April 17, 2013.
197. **Anderson PA.** "Cement Augmentation." Grand Rounds Boston Spine Group. Newton, MA, May 7, 2013.
198. **Anderson PA.** "BMP Controversies." Grand Rounds Boston Spine Group. Newton, MA, May 8, 2013.
199. **Anderson PA.** "Spinal Cord Decompression." University of Wisconsin Hospital Department of Medicine Faculty Madison, WI, May 15, 2013.
200. **Anderson PA.** "Vertebral Augmentation and Fracture Liaison Services." Wisconsin Osteoporosis Symposium. Madison, WI, June 21, 2013.
201. **Anderson PA.** "Safety of RhBMP-2." Visiting Professor Mt. Sinai School of Medicine. New York City, NY, October 23, 2013.
202. **Anderson PA.** "BMP: Is the Force with You? Results of the YODA Investigation." University of Wisconsin Department of Neurosurgery. Madison, WI, January 29, 2014.
203. **Anderson PA.** "MSK Talk - C-Spine Anatomy, Function, Dysfunction and Treatment." University of Wisconsin School of Medicine. Madison, WI, April 17, 2014.
204. **Anderson PA.** "General Anatomy and Radiological Evaluation of Spinal Cord Injury." University of Wisconsin Department of PM&R. Madison, WI, April 18, 2014.
205. **Anderson PA.** "Own the Bone." University of Wisconsin Department of Medicine. Madison, WI, August 5, 2014.
206. **Anderson PA.** "Preventing Surgical Site Infection." University of Wisconsin Grand Rounds OR Nurses and Technicians. Madison, WI, September 24, 2014.
207. **Anderson PA.** "Preventing Surgical Site Infection." Meriter Hospital Medical Grand Rounds. Madison, WI, December 8, 2014.
208. **Anderson PA.** "MSK Talk - C-Spine Anatomy, Function, Dysfunction and Treatment." University of Wisconsin School of Medicine. Madison, WI, April 16, 2015.

209. **Anderson PA.** “Surgical Site Infection Overview and Prevention.” Annual Meeting Wisconsin Society of Perianesthesia, Fitchburg, WI February 6, 2016.
210. **Anderson PA.** “MSK Talk - C-Spine Anatomy, Function, Dysfunction and Treatment.” University of Wisconsin School of Medicine. Madison, WI, April 13, 2016.
211. **Anderson PA.** “Orthopaedic Device Design.” University of Wisconsin Mechanical Engineering/Biomedical Engineering 603. Madison, WI, April 28, 2016.
212. **Anderson PA.** “Anesthesia Considerations in Spine Surgery.” Grand Rounds Department of Anesthesia. University of Wisconsin, Madison, WI, October 12, 2016.
213. **Anderson PA.** Moderator Symposium: Secondary Fracture Prevention Program. Wisconsin Orthopedic Society, Middleton, WI, October 14, 2016.
214. **Anderson PA.** “Epidemiology of Fragility Fractures.” Symposium: Secondary Fracture Prevention Program. Wisconsin Orthopedic Society, Middleton, WI, October 14, 2016.
215. **Anderson PA.** “MSK Talk - C-Spine Anatomy, Function, Dysfunction and Treatment.” University of Wisconsin School of Medicine. Madison, WI, April 15, 2017.
216. **Anderson PA.** “Quality Improvement: A Call to Arms.” Grand Rounds Department of Neurosurgery, University of Wisconsin, Omaha, NE, September 13, 2017.
217. **Anderson PA.** “Bone Health Optimization.” Resident Fall Forum, Visiting Professor, University of Nebraska, Omaha, NE, September 29, 2017.
218. **Anderson PA.** “Linkage of Osteoporosis and Periprosthetic Fractures: Research Methodology.” Resident Fall Forum, Visiting Professor, University of Nebraska, Omaha, NE, September 29, 2017.
219. **Anderson PA.** “Biofilm: Surface Interaction and Infection.” University of Wisconsin Department of Biomedical Engineering. Madison, WI, December 7, 2017.
220. **Anderson PA.** “Bone Health Optimization.” Visiting Professor. Department of Orthopedics, University of Southern California, Los Angeles, CA, February 15, 2018.
221. **Anderson PA.** “Lower Cervical Spine Injuries.” Visiting Professor. Department of Orthopedics, University of Southern California, Los Angeles, CA, February 16, 2018.
222. **Anderson PA.** “Bone Health Optimization Before Orthopedic Surgery.” Spring Visiting Professor Lectureship. Department of Orthopedics and Rehabilitation University of Wisconsin, April 27, 2018.
223. **Anderson PA.** Debate: Open Spine Trauma Treatment vs Percutaneous Trauma Treatment. Spring Visiting Professor Lectureship. Department of Orthopedics and Rehabilitation University of Wisconsin, April 27, 2018.
224. **Anderson PA.** “Quality Improvement, A Call to Arms.” Annual Meeting Alaska Orthopedic Society, Girdwood, Alaska, April 20, 2018.
225. **Anderson PA.** “Bone Health Optimization in Orthopedic Surgery.” Annual Meeting Alaska Orthopedic Society, Girdwood, Alaska, April 21, 2018.
226. **Anderson PA.** “3D Printing in Orthopedic Surgery.” Annual Meeting Alaska Orthopedic Society, Girdwood, Alaska, April 22, 2018.

227. **Anderson PA.** "Biofilm and the Hippie Commune: Why This Matters to Orthopedic Surgeons." Annual Meeting Alaska Orthopedic Society, Girdwood, Alaska, April 22, 2018.
228. **Anderson PA.** "Bone Health Optimization." Annual Meeting Wisconsin Bone Club, Madison, WI, June 9, 2018.

### SCIENTIFIC EXHIBITS

1. **Anderson PA,** Miller S, Hansen ST Jr. "Immediate Reamed Intramedullary Nailing in Open Femur Fractures." American Orthopaedic Association 54th Annual Meeting, Washington, DC, May, 1987.
2. **Anderson PA.** "Epidural Hematomas Complicating Lumbar Surgery." American Academy of Orthopaedic Surgeons 54th Annual Meeting, San Francisco, CA, January, 1987.
3. **Anderson PA,** Henley MB, Grady MS, Montesano PX, Winn HR. "Posterior Cervical Arthrodesis Using AO Reconstruction Plates and Bone Graft." American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, LA February 8-13, 1990.
4. **Anderson PA,** Budorick TE, Henley MB, Easton K, Saliccioli GG. "Failure of Halo-Vest to Prevent In-Vivo Motion in Patients With Injured Cervical Spines." Orthopaedic Trauma Association Annual Meeting, Toronto, Canada, November 7-10, 1990.
5. **Anderson PA.** "Classification Standards of Spinal Cord Injuries." American Association of Orthopaedic Surgeons Annual Meeting, New Orleans, LA February 24-March 1, 1994.
6. Chapman JR, **Anderson PA.** "Failure of the Kaneda Device in Management of Thoracolumbar Fractures." Orthopaedic Trauma Association Annual Meeting, September 22-24, 1994.
7. McGuire R, **Anderson PA,** Herkowitz H, An H, Zigler JE. "Natural History of Degenerative Disc Disease." American Academy of Orthopaedic Surgeons Instructional Course Lecture, San Francisco, CA, March, 2001.
8. **Anderson PA.** "Complications of Anterior Cervical Surgery." American Academy of Orthopaedic Surgeons Dallas, TX, February 2002.
9. Paul R, **Anderson PA,** Ngo T, Loomis A, Juckem L. "Non-Viral Gene Transfer of the Intervertebral Disc." 31st Annual Meeting Cervical Spine Research Society, Scottsdale, AZ, Dec 5-7, 2003.
10. **Anderson PA** Paul R, Ngo T, Loomis A, Juckem L. "Non-Viral Gene Transfer of the Intervertebral Disc." Orthopaedic Research Society, San Francisco, CA, March 7-10, 2004.
11. **Anderson PA,** Rouleau JP, Bryan VE, Carlson CS. "Wear Analysis of the Bryan Disc." Spine Week 2004, Porto, Portugal, May 30-June 5, 2004.



12. **Anderson PA**, Rouleau JP, Bryan VE, Carlson CS. "Wear Analysis of the Bryan Cervical Disc Prosthesis." 117th Annual Meeting The American Orthopaedic Association, Boston, MA, June 23-26, 2004.
13. **Anderson PA**, Paul R, Ngo TP, Juckem L, Loomis A. "Non-Viral Mediated Transfection of Human Intervertebral Disc Chondrocytes." 117th Annual Meeting The American Orthopaedic Association, Boston, MA, June 23-26, 2004.
14. Charles SS, Davis KW, Blankenbaker DG, Prokuski L, **Anderson PA**. "What's New in Extremity and Spine Hardware?" 90th Scientific Assembly and Annual Meeting Radiological Society of North America, Chicago, IL, November 28 - December 3, 2004.
15. Lapsiwala SB, **Anderson PA**, Trost GR, Oza A, Resnick DK. "Comparing Biomechanics of Four C1-C2 Rigid Fixative Techniques: Anterior Transarticular, Posterior Transarticular, C1-C2 Pedicle and C2 Translaminar Screw Techniques." Cervical Spine Research Society Thirty-second Annual Meeting, Boston, MA, December 9-11, 2004.
16. **Anderson PA**. "Non-Viral Gene Transfer in Human Intervertebral Disc Chondrocytes." Orthopaedic Research Society, Washington, DC, February 20-23, 2005.
17. **Anderson PA**, Rouleau JP. "Explant Analysis of Cervical Disc Prostheses." Orthopaedic Research Society, Washington, DC, February 20-23, 2005
18. **Anderson PA**, Paul R, Ngo TP, Juckem L, Loomis A. "Efficiency of Non-Viral Gene Transfer in Human Disc Chondrocytes." 2005 Annual Meeting American Association of Neurological Surgeons / CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 9-12, 2005.
19. **Anderson PA**. "The Effect of Spondylolisthesis on the Outcomes of Lumbar Neurogenic Intermittent Claudication Patients Treated with Interspinous Process Decompression (IPD)." The International Society for the Study of the Lumbar Spine. New York, NY, May 12, 2005.**Anderson PA**, Sasso RC. "Reoperation Rates for Cervical Arthroplasty vs. Arthrodesis." 12th Annual Meeting International Meeting on Advanced Spine Techniques, Banff, Alberta Canada, July 2005.
20. Myung K, Vanderby B, Vanderby R, **Anderson PA**. "Effect of Neuropeptides On Growth and Function of Cultured Bovine Intervertebral Disc Cells." Annual Meeting Orthopedic Research Society. Chicago IL, March 19-21, 2006.
21. Sekhon LHS, **Anderson PA**, Riew KD, Haid RW, Heller JG, Duggal N, Davies M, Seex K. "MR Imaging Clarity of the Bryan, Pro-Disc-C, Prestige LP and PCM Cervical Arthroplasty Devices." Spine Arthroplasty Society. Montreal, Quebec, Canada, May 11, 2006.
22. Sekhon LHS, **Anderson PA**, Riew KD, Haid RW, Heller JG, Duggal N, Davies M, Seex K. "MR Imaging Clarity of the Bryan, Pro-Disc-C, Prestige LP and PCM Cervical Arthroplasty Devices." European Cervical Spine Research Society. Berlin, Germany, May 18-19, 2006.
23. Myung K, Vanderby B, Vanderby R, **Anderson PA**. "Effect of Neuropeptides On Growth and Function of Cultured Bovine Intervertebral Disc Cells." European Cervical Spine Research Society. Berlin, Germany, May 18-19, 2006.

24. Myung K, Vanderby B, Vanderby R, **Anderson PA**. "Effect of Neuropeptides On Growth and Function of Cultured Bovine Intervertebral Disc Cells." North American Spine Society, Seattle, WA, September 27-29, 2006.
25. **Anderson PA**, Steinmetz M, Resnick D, Traynelis V, Patel R. "Cervical Arthroplasty vs. Fusion in a Workman's Compensation Population." North American Spine Society, Seattle, WA, September 27-29, 2006.
26. Morrey M, **Anderson PA**, Paul R, Chambers G, Valhmu W. "Non-Viral Mediated Transfection of Human Intervertebral Disc Chondrocytes." North American Spine Society, Seattle, WA, September 27-29, 2006.
27. **Anderson PA**, Myung K, Vanderby R. "Neural Peptides In Vitro Improve Metabolism and Proliferation Disc Cartilage Cells." Annual Meeting Orthopedic Research Society, San Diego, CA, February 11-13, 2007.
28. Harrop J, **Anderson PA**, France JC, Fehlings M, Dvorak MF, Vaccaro A, Bono CM. "Observer Variability with Radiographic Measurements for Odontoid Fractures." Annual Meeting American Academy of Orthopedic Surgery, San Diego, CA, February 14-18, 2007.
29. **Anderson PA**, Puschak T. "Measuring Cervical Arthroplasty Outcomes: Comparison of SF-36 Improvements in Cervical Disc Replacement, Cervical Fusion, TKA and THA." European Cervical Spine Research Society, Leuven, Belgium, May 30 – June 1, 2007.
30. Sterling AC, **Anderson PA**, Cobian D, Huayong H, Syed F, Heiderscheid B. "Annual Frequency and Magnitude of Neck Motion in Healthy Individuals." 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, November 29 – December 1, 2007.
31. Bono CM, Harrop JS, **Anderson PA**, France JC, Fehlings MG, Vaccaro AR, Dvorak M. "Observer Variability with Radiographic Measurements for Hangman's Fractures." 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, November 29 – December 1, 2007.
32. Bono CM, Harrop JS, **Anderson PA**, Fehlings MG, France JC, Vaccaro AR, Dvorak M. "Observer Variability with Radiographic Measurements for Odontoid Fractures." 34th Annual Meeting Cervical Spine Research Society, San Francisco, CA, November 29 – December 1, 2007.
33. Riina J, **Anderson PA**, Holly LT, Flint K, Riew KD. "Surgery for Headaches Associated with Cervical Radiculopathy or Myelopathy." 23<sup>rd</sup> Annual Meeting North American Spine Society, Toronto, Ontario, Canada, October 17, 2008.
34. Buchowski JM, Riew KD, **Anderson, PA**. "Improvement of Neurologic Deficits Following Anterior Cervical Spine Surgery." 35th Annual Meeting Cervical Spine Research Society, Austin, TX, December 3-6, 2008.
35. Powell JW, Sasso RC, **Anderson, PA**. "Quality of Spinal Motion with Cervical Disc Arthroplasty: Computer Aided Radiographic Analysis." 35th Annual Meeting Cervical Spine Research Society, Austin, TX, December 4, 2008.

36. Barber RB, Chaput CD, Pandorf JJ, Michael HP, Moore TA, **Anderson, PA**, Rahm MD. "Cervical Spine Injury Severity Score (CSISS) Correlates with Surgical Approach: A Multisurgeon Dual Center Study." 35th Annual Meeting Cervical Spine Research Society, Austin, TX, December 3-6, 2008.
37. Coe JD, **Anderson PA**, Papadopoulos SM, Burkus JK. "Motor Vehicle Crashes after Cervical Total Disc Arthroplasty: An Analysis of the Effect of Motor Vehicle Crashes in the Bryan and Prestige-ST US Clinical Trials." European Cervical Spine Research Society. Uppsala, Sweden, June 11-13, 2009.
38. O'Leary PT, **Anderson PA**, Sasso RC, Riew KD. "The Impact of Smoking On Functional Outcome Measures Following Cervical Disc Arthroplasty." Annual Meeting American Academy of Orthopaedic Surgery, New Orleans, LA, March 9-13, 2010.
39. Patel R, **Anderson PA**, Steinmetz M, Zellner B. "Repair of Pars Interarticularis Defect Utilizing a Pedicle and Laminar Screw Construct: A New Technique Based on Anatomic and Biomechanical Analysis." Annual Meeting North American Spine Society, Orlando, FL, October 5-9, 2010.
40. MacDonald K, **Anderson PA**, Heiner JP. "Vasoactive Intestinal Peptide (VIP) Inhibits In Vitro Chondrosarcoma Proliferation." 2010 Annual Meeting Musculoskeletal Tumor Society, Philadelphia, PA, September 20-October 2, 2010.
41. Rampersaud YR, Djurasovic M, Carreon L, Persaud O, Isaacs R, Peloza J, Branch CL, Polly DW, Rouben D, **Anderson PA**, Glassman SD. "Two-Year Outcome of Posterior Minimally Invasive Fusion Compared to Open Fusion for Low Grade Spondylolisthesis." Annual Meeting North American Spine Society, Orlando, FL, October 5-9, 2010.
42. Cornett C, **Anderson PA**. "Preoperative Opioid Use and Postoperative Pain Control, Adverse Events, Length of Stay and Patient Satisfaction." Annual Meeting North American Spine Society, Chicago, IL, November 2-5, 2011.
43. AAOS Biomedical Engineering Committee. "Success or Cause for Concern: Analyses of Device Outcomes." Annual Meeting American Academy of Orthopedic Surgeons, San Francisco, CA, February 7-11, 2012.
44. Tontz WL, **Anderson PA**, Froysteter A. "Meta-Analysis of Vertebroplasty Compared to Conservative Treatment." The 4<sup>th</sup> Annual Meeting Lumbar Spine Research Society, Chicago, IL, April 26, 2012.
45. Rangarajan R, Riordan AM, Balts JW, **Anderson PA**. "Reliability of the Control Autogenous Iliac Crest Bone Graft in the Rabbit Spinal Fusion Model: A Meta-Analysis." Annual Meeting Orthopaedic Research Society, San Antonio, TX, January 26-29, 2013.
46. Hendrickson NR, Anderson PA. "CT Attenuation Coefficient (Hounsfield Unit) to Estimate Bone Mineral Density T-score." Annual Meeting Lumbar Spine Research Society, Chicago, IL, May 1-2, 2014.
47. Schreiber JJ, Carlson M, Gausden E, **Anderson PA**. "Opportunistic Osteoporosis Screening: Gleaning Additional Information from Diagnostic Wrist CT Scans" The 69th Annual Meeting of the American Society of Surgery of the Hand, Boston, MA, September 18-20, 2014.

48. Schreiber JJ, Carlson M, Gausden E, **Anderson PA**. “Opportunistic Osteoporosis Screening: Gleaning Additional Information from Diagnostic Wrist CT Scans.” Annual Meeting Lumbar Spine Research Society, Chicago, IL, April 9-10, 2015.
49. Urish KL, Nadim K, Hallab J, Giori NJ, Lavernia CJ, Hamlin BR, Milhalko WM, **Anderson PA**. “Modular Interface Corrosion in Total Hip Arthroplasty: Diagnosis, Evaluation, and Management.” Annual Meeting American Academy of Orthopaedic Surgery, Orlando, FL, March 4, 2016.
50. Illgen R, Bukowski B, **Anderson PA**, Abiola R. “Robot Assisted Total Hip Arthroplasty Improves Accuracy Compared with Manual Technique.” Annual Meeting American Academy of Orthopaedic Surgery, San Diego, CA, March 15-18, 2017

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