Humphreys, Steven (Craig)
State Medical Board

Kenai Spine

[redacted]

[redacted]

Orthopaedic Spine Surgeon
Steven C. Humphreys, M.D.
Stephanie Winter, PA-C
Matthew May, RNFA

Curriculum Vitae
Steven Craig Humphreys, M.D.

PERSONAL INFORMATION

[redacted] [redacted]

Wife: Julie Humphreys, R. N.
Children: Grant Richard Humphreys
Caroline Rose Humphreys
Gabrielle Faith Humphreys

EDUCATION

Graduate/Undergraduate/Training
Sofield Traveling Fellowship Residency Award
Completing travels to Sapporo, Japan, Beijing, China to observe, participate, and study aspects of spinal surgery. ($5,000.00 USD)

Postgraduate Training
Fellowship in Orthopeadics Spine Surgery
Medical College of Wisconsin, Milwaukee
August 1, 1995 – July 30, 1995

Orthopeadic Surgery Internship
Stritch School of Medicine
Loyola University Medical center, Maywood, Illinois
July 1, 1991 – June 30, 1991

M.D. Stritch School of Medicine
Loyola University Medical Center, Maywood, Illinois
August 1, 1986 – May 30, 1990

B.S. Biology
University of Notre Dame
South bend, Indiana
August 1, 1981 – May 30, 1983
August 1, 1984 – May 30, 1986

Overseas Study
St. Patrick's College
Maynooth, Ireland
August 1, 1983 – May 30, 1984

A.J. Diamond High School
Anchorage, Alaska, August 1, 1977 – May 30, 1981

PROFESSIONAL EXPERIENCE

Kenai Spine
Owner
Orthopeadic Spine Surgeon
Soldotna, Alaska
July 2011 - Present

Center For Sports Medicine and Orthopeadics
Orthopeadic Spine Surgeon
Chattanooga, Tennessee
August 1996 - July, 2011

Alaska Pipeline (British Petroleum)
Radiodiagnostic Engineer
Prudhoe Bay, Alaska
Summers, 1881 – 1884

CLINICAL APPOINTMENTS

Clinical Assistant Professor of the Department of Family Medicine
East Tennessee State University
James Quillen College of Medicine
Johnson City, Tennessee
August, 1996 – July, 2011

Chief of Orthopeadics
Memorial Hospital
Chattanooga, Tennessee
January, 2000 – 2002

Vice-Chief of Orthopeadics
Memorial Hospital
Chattanooga, Tennessee
January 2000 – 2002

Chairman of the Orthopeadic/Neurosurgery CQI Council
Memorial Hospital
Chattanooga, Tennessee
January, 2000 - 2002

Member of Infection Control Committee
Memorial Hospital
Chattanooga, Tennessee
January, 2000 – 2003

Primary Manuscript Reviewer – Archives of Physical Medicine and Rehabilitation
Chicago, Illinois
March, 1999 – July, 2011

Medical Director – Center for Sports Medicine and Orthopeadics
Chattanooga, Tennessee
December, 2000 – July, 2011

Consultant – Interpore/Biomet
July, 2001 – July, 2011

Member of the Board of Directors – Forex Corporation
Salt Lake City, Utah
July, 2001 – 2002

American Board of Spine Surgery
Education Liaison Committee
Ethics Committee

Oral Examiner
American Board of Spine Surgery
2007

Faculty Member
Medtronic Spinal & Biologics
Prestige Cervical Arthroplasty Training
2006 – July, 2011

Faculty Leader
Medtronic Spinal & Biologics
Prestige LP Cervical Disc Training Workshop
Johannesburg, South Africa
February 2, 2008

Faculty Leader
Medtronic Spinal & Biologics
Prestige LP Cervical Disc Training Workshop
Capetown, South Africa
February 9, 2008

Faculty Leader
Medtronic Spinal & Biologics
Prestige Regional Cervical Arthroplasty Training Workshop
San Antonio, TX
April 18, 2008

Faculty Leader
Medtronic Spinal & Biologics
Cervical Arthroplasty: Core Education Course
Memphis, Tennessee
May 10, 2008

Faculty Leader
Medtronic Spinal & Biologics
PEEK Rod Regional Education Series
Syracuse, New York
October 30, 2008

Faculty Leader
Medtronic Spinal & Biologics
Cervical Arthroplasty: Core Education Course
Orlando, Florida
January 10, 2009

Faculty Leader
Medtronic Spinal & Biologics
Cervical Arthroplasty: Core Education Course
San Diego, California
March 07, 2009

Moderator
The International Society for the Study of the Lumbar Spine
Session: Discography
May 06, 2009

SOCIETY MEMBERSHIPS

America Academy of Orthopeadic Surgeons
Resident Member
1991 – 1995

Tennessee Orthopeadic Society
Medical Society Membership
August 1997 – Present

Tennessee Medical Society
Medical Society membership, #0034356
October, 1996 – July, 2011

Chattanooga/Hamilton County Medical Society
1997 – July, 2011

Medical Professional Staff/Medical Society Membership
August, 1996 – July 2011

Wisconsin State Medical Society
Medical Society Membership
1995

American Spinal Injury Association
Medical Professional Membership
October, 1997 – Present

Cervical Spine Research Society
Associate Membership
December 1999- Present

North American Spine Society
Active Membership
November 1997 – Present

Cervical Spine Research Society
Associate Membership
December 1999 – Present

American College of Spine Surgery
Active Membership
2000, Present

American Medical Association
Active Member
2001 – Present

Forex Corporation
Medical Advisory Board Member
2001 – 2002

The Spine Arthroplasty Society
Active Member
2004 – Present

American Board of Spine Surgery
Board of Directors
2005 – Present

The International Society for the Study of the Lumbar Spine
Active Member
June 2007 – Present

AWARDS

Loyola University Department of Orthopaedic
"Innovations in Orthopaedic Contest"
First Place, 1993

1994 Charles H. Herndon Residency Research Award
Sponsored by the Musculoskeletal Transplant Foundation
OREG Grant $11,800.00 USD

1995 Sofield Traveling Fellowship Residency Award
Completing travels to Sapporo, Japan & Beijing, China to observe/participate and study various aspects of spinal surgery
$5,000.00 USD

Tennessee State Case Manager's Association
"Physician of the Year" 2003

SOCIAL RESPONSIBILITIES

1. Alaska Native Hospital, Anchorage, AK, volunteer- 1982 – 1984 (summers)
2. South Bend, IN, Run-Away Shelter volunteer- 1982 – 1985
3. Ramamiah Medical Center, Bangalore, India- November-December 1990
4. St. Jude Hospital, St. Lucia- Voluntary Orthopedic and General Surgery Care- April-May 1993
5. Lithuania Children's Hope, Vilnius, Lithuania- Shriner's Children's Hospital – October 1993
   U.S. Orthopaedic Team
6. Member- Church Council- The United Methodist Church- Chattanooga, TN, January 2000 – 2006
7. Gold Circle- Chattanooga, TN, Orthopaedic Lectures – 1998 – 2005
8. WDEF – TV "House Calls"- Orthopaedic Topics 1998 – 2005
9. Bethlehem Community Church – Children's Benefit Sponsor- 2003- July 2011

CERTIFICATION

Tennessee #MD0000028160 – Licensed Physician and Surgeon- Expired

Georgia # 042286 – Licensed Physician and Surgeon- Expired

NPI # 1144225798

Alaska #: 6826 Expires 12-31-2014

Federal DEA # BH4389676 Expires 10-31-2015

American Board of Orthopaedic Surgery
Diplomat of the Board
October 31, 2001 – Present
Date of recertification is 01/01/2018

American Board of Spine Surgery
1996 – December 31, 2011

PRESENTATIONS

1. **Humphreys SC.,** Bednar M. Light TR,
   "The Growth Potential of Extra-periosteal Phalangeal Bone Grafts in Rabbits."
   American Society for Surgery of the Hand, October 1995.

2. **Humphreys SC.,** Bednar M. Light TR,
   "The Growth Potential of Extra-periosteal Phalangeal Bone Grafts in Rabbits."
   American Hand Surgery Society, February, 1995.

3. **Humphreys SC.,** Bednar M. Light TR,
   "The Growth Potential of Extra-periosteal Phalangeal Bone Grafts in Rabbits."
   International Hand Surgery Finland, 1995.

4. **Humphreys SC.,** Chase J. Lomasney L., Patwardhan A., Shuster J.,
   "Effects of Flexion and Traction on C5-C6 Foraminal Space."
   North American Spine Society, November 29 – December 2, 1995.

5. **Humphreys SC.,** Chase J. Lomasney L., Patwardhan A., Shuster J.,
   "Effects of Flexion and Traction on C5-C6 Foraminal Space."
   Cervical Spine Research Society, November 29 – December 2, 1995.

6. **Humphreys SC.,** Sixth Annual Spine Symposium
   "Spinal Fusion and Instrumentation."
   Medical College of Wisconsin, Department of Orthopaedic Surgery, 1995.

7. **Humphreys SC.,** American Dental Association
   "Infections of the Spine Related to Bacteremia from Dental Procedures."
   Medical College of Wisconsin, November 1995.

8. **Humphreys SC.,** An H., Glover M., Lim, TH., McGrady L. A.,
   "Comparison between Anterior Threaded Cages Vs. Posterior Pedicle Screw Instrumentation in Terms of Foraminal Distraction and Lumbar Lordosis."
   International Society for Lumbar Spine, June 1996.

9. **Humphreys SC.,** An H., Glover M., Lim TH., McGrady L. A.,
   "A Comparison of Anterior Threaded Cages Vs. Posterior Pedicle Screw Instrumentation in Terms of Foraminal Distraction and Lumbar Lordosis."
   Wisconsin State Orthopaedic Meeting, June, 1996.

10. **Humphreys SC.,** An H., Eck J., Lim TH., Eskowski L.,
    "Oblique MRI as a Useful Adjunct in Evaluation of Cervical Foraminal Impingement."
    Annual Meeting of Cervical Spine Research Society
    Palm Beach, Florida, December 5-7, 1996.

11. **Humphreys SC.,** An H., Glover M., Lim, TH., McGrady L.,
    "A Comparison of Anterior Threaded Cages Vs. Posterior Pedicle Screw Instrumentation in Terms of Foraminal Distraction and Lumbar Lordosis."
    San Francisco, California, February 13-17, 1997.

12. **Humphreys SC.,** An H., Eck J., Lim TH., Eskowski L.,
"Oblique MRI as a Useful Adjunct in Evaluation of Cervical Foraminal Impingement."
American Spine Society and Japanese Spine Research Society
"Spine Across the Sea '97."
Kamuela, Hawaii. March 16-20, 1997.

13. Rabin S., **Humphreys SC.,** Pedeszwa DA.,
"Use of the Cobra Plate in Severely Comminuted Intercondylar-Supracondylar Distal Femur Fractures.
Annual Meeting of the American Fracture Association."
San Diego, California, April 10-13, 1997.

14. **Humphreys SC.,**
"Oblique MRI as a Useful Adjunct in Evaluation of Cervical Foraminal Impingement."
Tennessee Orthopaedic Society Annual Conference.
Asheville, North Carolina, August 28-30, 1997.

15. **Humphreys SC.,**
"Oblique MRI as a Useful Adjunct in Evaluation of Cervical Foraminal Impingement."
Chattanooga Orthopaedic Group,
Orthopaedic Management of the Orthopaedic Patient,
Chattanooga Heart Institute, Chattanooga, Tennessee, September 6, 1997.

16. **Humphreys SC.,**
"Oblique MRI as a Useful Adjunct in Evaluation of Cervical Foraminal Impingement."
Southern Medical Association's 91st Annual Scientific Assembly
Charlotte, North Carolina, November 6-9 1997.

17. **Humphreys SC.,** Hodges SD., Fischer DL., Kozubowski TJ., Shepard LC.,
"Can MRI Reliably Predict Disc Material Posterior to the Posterior Longitudinal Ligament in the Cervical Spine? A Prospective Study."
Annual Meeting of the Cervical Spine Research Society,
Rancho Mirage, California, December 4-6, 1997.

18. **Humphreys SC.,**
"Lumbar Degenerative Disc Disease. Worker's Compensation, "Recipe for Success."
Tennessee Valley Occupational Health and Center for Sports Medicine & Orthopaedics.
Chattanooga, Tennessee, June 25, 1998

19. Hodges, SD., **Humphreys SC.,** Eck, JC., Covington, LA.,
"Management of Incidental Durotomy without Mandatory Deb Rest,
A retrospective Review of 20 cases."
50th Anniversary Annual Meeting. White Sulphur Springs, West Virginia, August 27-29, 1998.

20. Hodges, SD., **Humphreys SC.,** Brown, TW., Eck, JC., Covington, LA.,
"Complications of the Anterior Retropharyngeal Approach in Cervical Spine Surgery: A Technique and Outcomes Review."
26th Annual Meeting of the Cervical Spine Research Society. Atlanta, Georgia, December 3-5, 1998.

21. Hodges, SD., **Humphreys SC.,** Eck, JC., Covington, LA.,
"Management of Incidental Durotomy without Mandatory Bed Rest; A Retrospective Review of 20 cases."
Annual Meeting of the American Spinal Injury Association
Atlanta, Georgia, April 19-21, 1999.

22. Hodges, SD., **Humphreys SC.,** Shepard LC, Rose BR, Fischer DL, Patwarden AG,
"The Natural History of the Cervical Foramen in Both Symptomatic and Asymptomatic Individuals Aging From 20-60 Years as Measured by MRI.
16th Annual Meeting of the Southern Orthopaedic Association
Amelia Island, Florida, July 15-17, 1999.

23. Hodges, SD., **Humphreys SC.,** Brown, TW., Eck, JC., Covington, LA.,
"Complications of the Anterior Retropharyngeal Approach in Cervical Spine Surgery."
16th Annual Meeting of the Southern Orthopaedic Association
Amelia Island, Florida, July 15-17, 1999.

24. Hodges, SD., **Humphreys SC.,** Eck, JC., Covington, LA.,
"Management of Incidental Durotomy Without Mandatory Bed Rest; A Retrospective Review of 20 cases."
2000 Federation of Spine Association, American Spinal Injury Association
Orlando, Florida, March 18, 2000.

25. Humphreys SC., Davare JR.,
"Autologous Bone Growth Factors."
International Society for the Study of the Lumbar Spine (ISSLS).
Brussels, Belgium, October 12, 2000.

26. Humphreys SC., Davare JR.,
"Current Concepts in Spinal Treatment and Surgery."
Tennessee Athletic Trainers Society, January 14, 2001.

Humphreys SC.,
"Comparison of Posterior and Tranforaminal Approaches to Lumbar Interbody Fusions."
National Orthopaedic Physicians Society, July 11, 2001.

27. Humphreys SC., Davare JR.,
"Degenerative Joint Disease of the Lumbar Spine."
Memorial Health Care Systems, April 10, 2001.

28. Humphreys SC., Davare JR.,
"Mechanisms and Surgical Approach to Spinal Conditions."
University of Tennessee – Chattanooga Athletic Department, April 17, 2001.

29. Humphreys SC., Davare JR.,
"Tranforaminal Lateral Interbody Fusion Versus Posterolateral Interbody Fusion."
Orthopaedic Physicians Assistants, July 12, 2001.

30. Eck, JC., **Humphreys SC.,** Lim TH., Jeong ST., Kim JG., Hodges SD.,
A Biomechanical Study on the Effects of Cervical Fusion on Adjacent Level Intradiscal Pressure.
North American Spine Society,
Seattle Washington, October 31, 2001.

31. Eck, JC., **Humphreys SC.,** Lim TH., Cho TH., Lorenz E., Hodges SD.,
Effects of Cervical 2-Level Anterior Plating on the Intradiscal Pressure at the Adjacent Level.
Southern Orthopaedic Association,
Nashville, Tennessee, November 8-10, 2001.

32. Eck, JC., **Humphreys SC.,** Levi P.,
A Retrospective Analysis of 102 Patients Following Anterior Cervical Discectomy and Fusion with a 43-Month Mean follow-up (in Preparation)
August, 2003.

33. Eck, JC., **Humphreys SC.,** Hodges SD., Levi P.,
A comparison of Outcomes of Anterior Cervical Discectomy and Fusion in Patients With and Without Radicular Symptoms, August, 2003.

Humphreys SC.,
Presentation Spondylolisthesis Grade I.
Tennessee Association of Case Managers,
Chattanooga, Tennessee, January 2004.

34. Humphreys SC., Hodges SD., Eck JC.,
A comparison of Outcomes of Anterior Cervical Discectomy and Fusion in Patients With and Without Radicular Symptoms,
July 21-24, 2004.

35. Eck, JC., Hodges SD., **Humphreys SC.,** Hagen J.,
"A Surgical Treatment for Anterior Cervical Osteophytes."
American Spinal Injury Association,
Denver, Colorado, May 14-16, 2004.

36. Eck, JC., **Humphreys SC.,** Hodges SD., Levi P.,
"A Retrospective Analysis of 103 Patients Following ACDH with a 43 Month Mean Follow-up."
American Spinal Injury Association,
Denver, Colorado, May 14-16, 2004.

37. Eck, JC., **Humphreys SC.,** Hodges SD., Levi P.,
"A Comparison of Outcomes of Anterior Cervical Discectomy and Fusion in Patients with and without Radicular Symptoms."
American Spinal Injury Association,
Denver, Colorado, May 14-16, 2004
Southern Orthopaedic Association, Hilton Head, South Carolina, July 21-24, 2004.

38. Hodges SD., Eck JC., **Humphreys SC.,** Levi P.,
"An Outcomes Analysis of Patients Following Transforaminal Lumbar Interbody Fusion."
International Society for the Study of the Lumbar Spine
Porto, Portugal, May, 30-June 5, 2004.

39. Hodges SD., Eck JC., **Humphreys SC.,** Chastain C., Levi P.,
"Transforaminal Lumbar Interbody Fusion: A Retrospective Study of Long-term Pain Relief and Fusion Outcomes."
Southern Orthopaedic Association,
Hilton Head, South Carolina, July 24-25, 2004.

Scoliosis Research Society,
Buenos Aires, Argentina, September 6-9, 2004.

40. **Humphreys SC., Eck JC., Hodges SD.,**
Scoliosis Research Society,
Buenos Aires, Argentina, September, 6-9, 2004.

41. Eck JC., **Humphreys SC.,** Hodges, SD.,
"Redundant Publications in the Spine Literature."
Scoliosis Research Society,
Buenos Aires, Argentina, September 6-9, 2004.

42. **Humphreys SC.,** Hodges, SD., Eck, JC.,
"A Comparison of Outcomes of Anterior Cervical Discectomy and Fusions, With and Without Radicular Symptoms."
Combined Orthopaedic Association,
Sydney, Australia, October 5-8, 2005.

43. Eck JC., Nachtigall D., **Humphreys SC.,** Hodges, SD.,
"Questionnaire Survey of North American Spine Society surgeons on the use of Methylprednisolone for acute spinal cord injury."
International Meeting of Advanced Spine Techniques,
Banff, Alberta, Canada, October 5-8, 2005.

44. Eck JC., DO, MS (York, PA), **Humphreys SC.,** Scott D. Hodges, DO, Peggy Levi, RN.,
"A Comparison of Outcomes of Anterior Cervical Discectomy and Fusion in Patients with and without Radicular Symptoms."
33rd Annual Cervical Spine Research Society Meeting, San Diego, California, December 1, 2005.

45. **Humphreys SC.,**
"Kenai Total Joint Prosthesis"
Spineweek, 2008, Geneva Switzerland, May-26-30,2008.

46. Eck JC., Nachtigall D., **Humphreys SC.,** Hodges, SD.,
"Questionnaire Survey of North American Spine Society surgeons on the use of Methylprednisolone for acute spinal cord injury."
33rd Annual Meeting of the International Society for the Study of the Lumbar Spine,
Bergen, Norway, June 13-17, 2006.

47. **Humphreys SC.,**
"Rationale for Lumbar Posterior Total Joint Replacement."
2006 Tennessee Orthopaedic Society Annual Meeting.
San Destin, Florida, October 28, 2006.

48. Eck JC., **Humphreys SC.,** Hodges, SD.,
"Meta-Analysis of Vertebroplasty Versus Kyphoplasty."
American Society for Spine Radiology Meeting.
Marco Island, Marriott, Florida, February 22-25, 2007.

49. **Humphreys SC.,** Hodges, SD.,
"Fusion to Sacrum: Indications":
Spineweek 2008, Geneva, Switzerland, May 26-30,2008.

50. **S. Craig Humphreys, MD.,** Scott D. Hodges, DO., The Chattanooga Orthopaedic Group, Chattanooga, Tennessee, Louis J. Nel Jr., MD., Mia Hough, Department of Neurosurgical Surgery, Zuid-Afrikaanse Hospital, Pretoria, South Africa; Richard Fessler, MD., PhD., Department of Neurosurgery, Northwestern University Hospital, Chicago, Illinois, Kyle Hess, Danny Braddock, Medtronic, Memphis, Tennessee,
"A Posterior Lumbar Total Joint Replacement: First Clinical Cases."
Spine Arthroplasty Society Annual Meeting, 2009, London England, April 28- May1, 2009.

POSTER PRESENTATIONS

1. **Humphreys SC.,** Blevens A., Light TR., Patwardhan, AJ., Sartori M.,
"Three Dimensional Analysis of the Distal Radius."
Proceedings of the 36th Annual Meeting of the Orthopaedic Research Society,
Pg. 493, 1990.

2. **Humphreys SC.,** Bednar M., Light TR.,
"The Growth Potential of Extraperiosteal Phalangeal Bonce Grafts in Rabbits."
Proceedings of the 40th Annual Meeting of the Orthopaedic Research Society,
Pg. 571, 1994.

3. Chase J., **Humphreys SC.,** Lomasney L., Patwardhan A., Shuster J.,
"Effects of Flexion and Traction on C5-C6 Foraminal Space,
North American Spine Society,
October 1995.

4. Chase J., **Humphreys SC.,** Lomasney L., Patwardhan A., Shuster J.,
"Effects of Flexion and Traction on C5-C6 Foraminal Space,
Orthopaedic Research Society, Atlanta, Georgia,
February, 1996.

5. **Humphreys SC.,** An H., Glover M., Lim TH., McGrady L.,
"A Comparison between Anterior Threaded Cages Versus Pedicle Screw Instrumentation in terms of Foraminal Distraction and Lumbar Lordosis."
Annual meeting of American Academy of Orthopaedic Surgeons,
San Francisco, California, February 13-17, 1997.

6. Hodges, SD., **Humphreys SC.,** Castleberg RI., Shepard LC., Ibrahim K., Vbros L., Ward R.,
"Surgical Treatment of Adolescent Idiopathic Scoliosis Using Isola Instrumentation."
4th International Meeting on Advanced Spine Techniques,
Bermuda, July 10-13, 1997.

7. Humphreys, SC, **Hodges SD.,**
"Preliminary Report of an Independent Reviewer of Laparoscopically-Assisted L5-S1 Discectomies and Fusions with Custom Carbon Fiber Cage and Autogenous Bone Graft."
49th Annual Conference of the Tennessee Orthopaedic Society,
Asheville, North Carolina, August 28-30, 1997.

8. Hodges, SD., **Humphreys SC.,** Castleberg RI., Shepard LC., Ibrahim K., Vbros L., Ward R.,
"Surgical Treatment of Adolescent Idiopathic Scoliosis Using Isola Instrumentation."
Annual Clinical Assembly of Osteopathic Specialists,
Atlanta, Georgia, September 20-23, 1997.

9. Hodges, SD., **Humphreys SC.,**
"A Single-Stage Anterior Decompression with Simultaneous Posterior Instrumentation for Treatment of Epidural Spinal Abscess."
1997 Scoliosis Research Society Annual Meeting,
St. Louis, Missouri, September 24-27, 1997.

10. **Humphreys SC.,** Hodges, SD.,
"Preliminary Report of an Independent Reviewer of Laparoscopically Assisted L5-S1 Discectomies and Fusions with Custom Carbon Fiber Cage and Autogenous Bone Graft."
North American Spine Society 12th Annual Meeting,
New York, New York, October 22-25, 1997.

11. **Humphreys SC.,** Hodges, SD., Shepard LC, Rose BR., Fischer DL., Patwardhan AG.,
"The Natural History of the Cervical Foramen in Both Symptomatic and Asymptomatic Individuals Aging From 20-60 Years as Measured by MRI."
Annual Meeting of the Cervical Spine Research Society
Rancho Mirage, California, December 4-6, 1997

12. **Humphreys SC.,** Hodges, SD., Shepard LC, Rose BR., Fischer DL., Patwardhan AG.,
"The Natural History of the Cervical Foramen in Both Symptomatic and Asymptomatic Individuals Aging From 20-60 Years as Measured by MRI."
Third Combined Meeting of the Orthopaedic Research Societies
Hamamatsu, Japan, September 28-30, 1998

13. **Humphreys SC.,** Hodges SD., Patwarden AG., Eck JC., Murphy RB., Covington L.,
"Comparison of Posterior and Transforaminal Approaches in Performing Lumbar Interbody Fusion."
2000 American Association of Neurological Surgeons Annual Meeting
San Francisco, California, April 8-13, 2000

14. Eck JC., Hodges, SD., **Humphreys SC.,**
"The Effects of Spirituality on Successful Recovery from Spinal Recovery."
American Osteopathic Association Research Conference
Orlando, Florida, October 29-November 2, 2000

15. Hodges, SD., **Humphreys SC.,** Eck JC., Winters A.,
"Outcomes Following Anterior Cervical Discectomy and Fusion With Plating."
Southern Orthopaedic
Nashville, Tennessee, November 2001

16. Eck JC., **Humphreys SC.,** Lim TH., Jeong ST., Kim JG., Hodges SD.,
"A Biomechanical Study on the Effect of Cervical Fusion on Adjacent Level Intradiscal Pressure."
Cervical Spine Research Society
Tennessee Orthopaedic Society
    - White Sulfur Springs, West Virginia
      August 23-26, 2001
    - Monterey, California (oral presentation)

November 29-December 1, 2001

- Florence Italy
  Southern Orthopaedic Association
  April 2-7, 2002
- New York, New York
  North American Spine Society, Meeting of the Americas II
  April 24-27,2002
- San Diego, CA
  International Society for Orthopaedic Surgery and Traumatology
  August 23-30, 2002

17. Eck JC., **Humphreys SC.,** Patil VD., Hodges SD., Clarke SE., Davare JR.,
"Paradoxical Embolus Causing Bilateral Blindness Following Spinal Surgery."
World Spine II
Chicago, Illinois, August 10-13

18. Hodges SD., **Humphreys SC.,** Lumpkin KJ., Eck JC., Wurster R., Levi P.,
"A Retrospective Analysis of 70 Patients with Confounding Medical Conditions Receiving a Bone Growth Stimulator During Spinal Fusion."
33 Annual Meeting of the International Society for the Study of the Lumbar Spine
Bergen, Norway, June 13-17, 2006

19. **Humphreys SC.,** Hodges SD., Lumpkin KJ., Eck JC., Wurster R., Hagen J., Farmer D., Jolley L.,
"Assessing Lumber Sagittal Motion Using Videography in an In Vivo Pilot Study."
33 Annual Meeting of the International Society for the Study of the Lumbar Spine
Bergen, Norway, June 13-17, 2006

20. Hodges SD., **Humphreys SC.,** Eck JC., Fessler RG., Patwardhan Ag., Havey B., Voronov L., Lange E., Braddock D., Yu K.,
"Biomechanics of the Kenai Total Joint Replacement."
33 Annual Meeting of the International Society for the Study of the Lumbar Spine
Bergen, Norway, June 13-17, 2006

21. Fessler RG., **Humphreys SC.,** Hodges SD., Eck JC., Patwardhan Ag., Havey B., Voronov L., Lange E., Braddock D., Yu K.,
"Measurement of Center of Rotation of the Lumbar Motion Segment for Total Joint Replacement Design."
33 Annual Meeting of the International Society for the Study of the Lumbar Spine
Bergen, Norway, June 13-17, 2006

E - POSTER PRESENTATIONS

1. **Humphreys SC.,** Hodges SD., Lumpkin K., Eck JC., Wurster R., Hagen J., Farmer D., Jolley J.,
"Assessing Lumbar Sagittal Motion Using Videography in an In Vivo Pilot Study."
IMAST Annual Meeting
Banff Springs, Canada, July 6-9, 2005

2. Hodges SD., **Humphreys SC.,** Lumpkin K., Eck JC., Wurster R., Levi P.,
"A Retrospective Analysis of 70 Patients with Confounding Medical Conditions Receiving a Bone Growth Stimulator During Spinal Fusion."
IMAST Annual Meeting
Banff Springs, Canada, July 6-9, 2005

3. Eck JC., D. Nachtigall, **Humphreys SC.,** Hodges SD., York PA.,
"Meta-analysis of Vertebroplasty versus Kyphoplasty."
ISSLS Annual Meeting
Hong Kong, China, June 10-14, 2007

4. Eck JC., **Humphreys SC.,** Hodges SD.,
"Comparison of Vertebroplasty and Balloon Kyphoplasty for Treatment of Vertebral Compression Fractures."
A Meta-Analysis of the Literature
IMAST Annual Meeting
Paradise Island, Bahamas, July 11-14, 2007

5. Hodges SD., **Humphreys SC.,** Eck JC.,
"Measurements of Kambin's Triangle for Transforaminal Lumbar-Interbody Fusion."
IMAST Annual Meeting
Paradise Island, Bahamas, July 11-14, 2007

6. Hodges SD., **Humphreys SC.,** Eck JC.,
"Accuracy of Physician Assessment and Imaging Studies on Predicting Pseudoarthrosis following Lumbar Spine Fusion."
NASS Annual Meeting
Austin, Texas, October 24-26, 2007

7. Eck JC., **Humphreys SC.,** Hodges SD.,
"Comparison of Vertebroplasty and Balloon Kyphoplasty for Treatment of Vertebral Compression Fractures."
A Meta-Analysis of the Literature
NASS Annual Meeting
Austin, Texas, October 24-26, 2007

8. **Humphreys SC.,** Hodges SD., Nel Jr. LJ., Fessler RG.,
"A Posterior Lumbar Total Joint Replacement."
First Clinical Cases
Spine Arthroplasty Society Meeting
Miami, Florida, May 6-9, 2008

9. **Humphreys SC.,**
"A Posterior Lumbar Total Joint Replacement: The First Clinical Experience."
NASS 23rd Annual Meeting
Toronto, Canada, October 14-18, 2008

10. **Humphreys SC.,** Hodges SD., Jolley JE., Newton, Danette
"A Retrospective Review of Posterior Cervical Fusions with rhBMP-2/ACS."
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BOOK CHAPTERS

1. *Posterior Instrumentation of the Spine*
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2. *Juvenile Kyphosis*
An HS., **Humphreys SC.,** Balderson R. The Spine 4th Edition

3. *Principles of Spinal Instrumentation in Degenerative Disorders of the Cervical Spine*
Humphreys SC., An HS., Spinal Instrumentation An HS., Cotler J (in press)

BOOKS

"Spine Pearls" Humphreys SC., Hodges SD., Eck JC;
Published 2003

"Spine Arthroplasty" Humphreys SC., Hodges Sd., Eck JC., Patwardhan Avinash
Book proposal 2006

RESEARCH SUPPORT

Orthopaedic Research and Education Foundation
The Growth Potential of Extraperiosteal Bone Grafts in Rabbits.
Principal Investigator $11,600.00
February 1995

American Society for Surgery of the Hand
The Growth Potential of Extraperiosteal Bone Grafts in Rabbits.
Principal Investigator $8,700.00
October 1995

Chattanooga Orthopaedic Group Foundation for Research
1996 – 2011

Danek/Interpore Motion Study
2003 - 2011

Kenai Total Spinal Joint Replacement Device (patent)
2005-preset (ongoing research project)

Principle Investigator for the "2-Level Prestige LP Artificial Cervical Disc.: (FDA clinical trial)
2006 - 2011

CONTINUING EDUCATION

1. American Hand Surgery Society February 1995
2. American Society for Surgery of the Hand October 1995
3. International Hand Society 1995
4. North American Spine Society, Washington, DC October 1995
5. Cervical Spine Research Society, Santa Fe, NM, November-December 1995
6. International Society for Lumbar Spine, Burlington, VT June 1996
7. Wisconsin State Orthopaedic Meeting June 1996
8. Cervical Spine Research Society, Palm Beach, FL, December 1996 3.0 CME
9. American Academy of Orthopaedic Surgeons, February 1997
10. North American Spine Society, Kamuela, HA, March 1997
11. American Fracture Association April 1997

12. American Academy of Orthopaedic Surgeons, St. Louis, MO April 1997, 2.4 CM

13. The University of Tennessee College of Medicine June 1997

14. Tennessee Orthopaedic Society, Asheville, NC, August 1997

15. Chattanooga Heart Institute September 1997

16. Southern Medical Association November 1997

17. American Academy of Disability Evaluating Physicians, Nashville, TN, November 1997, 8.5 CME

18. Cervical Spine Research Society Rancho Mirage, CA, December 1997, 14.0 CME

19. American Academy of Orthopaedic Surgeons, Chicago, IL April-May 1998, 24.0 CM

20. General Risk Management Seminary, The University of Tennessee College of Medicine , Chattanooga, TN, June 1998, 2.0 CME

21. North American Spine Society, San Francisco, CA, October 1998, 16.60 CME

22. Cervical Spine Research Society, Atlanta, GA December 1998 17.0 CME

23. Big Time Spine, Spinal Surgery: Current Concepts and Techniques, Boston, MA, June 1999 8.0 CME

24. General Risk Management Seminar, The University of Tennessee College of Medicine, Nashville, TN, September 1999 2.0 CME

25. Cervical Spine Research Society, Seattle, WA, December 1999

26. AANS 68th Annual Meeting, San Francisco, CA, April 2000 24.0 CME

27. 2000 General Risk Management Seminar, Chattanooga-Hamilton County Convention & Trade Center, Chattanooga, TN, June 2000 2.0 CME

28. 2001 American Medical Association Impairment Rating Guidelines, 5th Edition, Atlanta, GA, May 5-6 2001

29. 2001 General Risk Management Seminar, Knoxville, TN, July 11, 2001

30. 2001 North American Spine Society, Seattle, WA October 2001

31. Cervical Spine Research Society, Monterey, December 2001 CANCER

32. 17th Annual Meeting of North American Spine Society, Montreal, Canada, October 2002

33. General Risk Management Seminar, Chattanooga/Hamilton County Convention and Trade center, Chattanooga, TN, June 6, 2002

34. 18th Annual Meeting of North American Spine Society, San Diego, October 2003, CANCER

35. 38th Annual Meeting of Scoliosis Research Society, Quebec City, Canada, September 2003

36. General Risk Management Seminar, Convention Center, Knoxville, TN, July 9, 2003

37. 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 10-14, 2004

38. General Risk Management Seminary, Chattanooga/Hamilton County Convention and Trade Center, Chattanooga, TN, June 9, 2004

39. 19th Annual Meeting of North American Spine Society, Chicago, IL, October 26-30, 8 CME

40. Charite Artificial Disc Training Course, Cincinnati, OH, November 29-30, 2004

41. Spinal Focus Meeting, New York, NY, December 3-4, 2004

42. Cervical Spine Research Society, Boston, MA, December 9-12, 2004

43. Cervical Focus Meeting, Memphis, TN, February 16-17

44. Spinal Arthroplasty Global Symposium, New York, NY, May 4-7, 2005

45. International Meeting On Advanced Spine Techniques, Banff, Alberta, Canada, July 7-9, 2005

46. Eurospine 2005 Annual Meeting, Barcelona, Spain, September 21-24, 2005

47. 20th Annual Meeting of North American Spine Society, Philadelphia, PA, September 27-October 1, 2005

48. 33rd Annual Cervical Spine Research Society Meeting, San Diego, CA, December 1-4, 2005

49. Spinal Focus Meeting, New York, NY, December 9-10, 2005

50. 46th Annual Postgraduate Seminar-American Osteopathic Academy of Orthopaedics, Phoenix, AR, May 5-7, 2006

51. SAS6-Global Symposium On Intervertebral Disk Replacement and Non-Fusion Technology, Montreal, Canada, May 9-13, 2006

52. International Society for the Study of the Lumbar Spine, Bergen, Norway, June 10-17, 2006

53. General Risk Management Seminary, Chattanooga/Hamilton County Convention and Trade Center, Chattanooga, TN, June 21, 2006

54. 13th Annual International Meeting of Advanced Spine Techniques, Athens, Greece, July 12-15, 2006

55. 21st Annual Meeting of the North American Spine Society, Seattle, WA, September 26-29, 2006

56. 2006 Tennessee Orthopaedic Society Annual meeting, San Destin, Florida, October 26-28, 2006

57. 34th Annual International Society for the Study of the Lumbar Spine, Hong Kong, China, June 10-14, 2007

58. General Risk Management Seminar, June 21, 2007, Chattanooga / Hamilton County Convention and Trade Center, Chattanooga, TN

59. 14th Annual International Meeting On Advanced Spine Techniques. July 11-14, 2007, Paradise Island, Bahamas

60. 22nd Annual North American Spine Society Meeting. October 23-27, 2007, Austin Texas

61. Proper Prescribing Practices: Schedule II Prescription Drug Abuse. March 26, 2008, Chattanooga, Marriott

62. DIAM Spinal Stabilization System Clinical Investigator's Meeting. April 10-11, 2008, Memphis, TN

63. The Spine Arthroplasty Society Meeting. May 6-9, 2008, Miami Florida

64. Spineweek 2008. May 26-30, 2008, Geneva Switzerland

65. General Risk Management Seminar. June 11, 2008, Chattanooga / Hamilton County Convention and Trade Center, Chattanooga, TN

66. 23rd Annual North American Spine Society Meeting. October 14-18, 2008, Toronto, Canada

67. The Spine Arthroplasty Society Meeting. April 28-May 1, 2009, London, England

68. The International Society For The Study Of The Lumbar Spine Meeting. May 4-8, 2009, Vienna Austria

69. 16th International Meeting on Advanced Spine Techniques. July 15-28, 2009, Vienna Austria

70. 24th Annual North American Spine Society Meeting. November 10-14, 2009, San Francisco, California

71. LDR, Mobi-C Hands-on Cadaveric Workshop. September 28, 2013, San Francisco, California

72. 48th Annual North American Spine Society Meeting. October 8-9, 2013, New Orleans, Louisiana

PATENTS

1. U.S. Patent Application
Entitled: **Joint Replacement Device**
Ref. No.: **P0026032.00**

GRANTS

1. Medtronic:
In-Vivokinematic Analysis of the Cervical Spine of Patients Implanted with the Prestige LP Artificial Cervical Disk Compared to Fusion Patients with Allograft and Plating Systems.