

CURRICULUM VITAE

DAVID A. CAVANAUGH, M.D., F.A.C.S.

PHYSICIAN/PARTNER



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Professional Experience

Neurosurgeon

1987 – 2004: Private Practice in Shreveport
Beach and Cavanaugh Neurological Surgery

2004 – Present: Spine Institute of Louisiana

Education and Training

Neurological Surgery Residency

1982-1987 University of Texas Health Sciences Center, San Antonio

General Surgery Internship

1981-1982 Louisiana State University Medical Center, Shreveport

Doctor of Medicine

1977-1981 Louisiana State University Medical Center, Shreveport

Bachelor of Science

1974 -1978 Louisiana College, Pineville, LA Valedictorian

1970-1974 Pineville High School, Pineville, LA Valedictorian

Accreditations

Diplomat American Board of Neurological Surgery 1990

Fellow American College of Surgeons 1990

Certified Clinical Research Investigator. National Institute of Health, 2007

Diplomat American Board of Spine Surgery 2009

Professional Memberships

American Board of Spine Surgeons

American Association of Neurological Surgeons

Congress of Neurological Surgeons

Southern Society of Neurological Surgeons

Louisiana State Neurosurgical Society

American Medical Association

Louisiana State Medical Society

Shreveport Medical Society

North American Spine Society

American College of Spine Surgery

Awards

ThinkFirst Chapter Medical Director of the Year 2020

Best Spine Clinical Research Poster Abstract Presentation Congress of Neurological Surgeons October 2019

Louisiana Association of Neurosurgeons recipient for Outstanding Contributions to Neurosurgery in Louisiana 2018

ThinkFirst National Injury Prevention Foundation Distinguished Service Partnership Award 2017 (with wife, Donna)

The Spine Journal & NASS 2010 Outstanding Paper Award for Surgical Science. June 2010

Volunteers for Youth Justice Shining Star Award 2007 (with wife Donna)

Louisiana State Medical Society Community Service Award 2007

Best Doctors in America 2005-2006

Volunteers for Youth Justice Shining Star Award 2007 (with wife Donna)

Trustees Distinguished Service Award Louisiana College 2004,

ThinkFirst National Injury Prevention Foundation Sponsoring Neurosurgeon of the Year 2002

Distinguished Alumnus 1996, Louisiana College

Outstanding Young Man 1990, Shreveport Jaycees

C. W. Brister Academic Award 1977, Louisiana College

South Central Bell Science Award 1974, Pineville High School

Scholarship Award 1973, 1974 Pineville High School

Academic Award for Athletes in Rapides Parish 1974

Youth Appreciation Week Award 1973, Optimist Club of Rapides Parish

Louisiana Boys State 1973

**Additional
Professional
Activities**

Medical Director Specialists Hospital Shreveport 2018-2019

Chief of Staff Christus Schumpert Saint Mary 2007-2009

Reviewer for Abstracts, World Spine Society Meeting 2005, 2007

Chairman Board of Directors ThinkFirst National Injury Prevention Foundation 2005-2007

Medical Director ThinkFirst National Injury Prevention Foundation 2003-2005

Chairman Program Advisory Committee ThinkFirst National Injury Prevention Foundation 2003-2005

Executive Committee ThinkFirst National Injury Prevention Foundation Board of Directors 2000-2007

Council of State Neurosurgical Societies Louisiana Delegate 1997-2001

President Louisiana State Neurosurgical Society 1999-2001

Vice President Louisiana State Neurosurgical Society 1997-1999

Secretary Louisiana State Neurosurgical Society 1995-1997

Member Board of Directors Shreveport Medical Society 1995-2001, 2007-2009

Sponsoring Neurosurgeon ThinkFirst of the Ark-La-Tex 1996-Present

Chairman Physical Medicine and Rehabilitation Committee Schumpert Medical Center
1992-1996

Publications

2019

Nunley P, Kerr E, **Cavanaugh D**, Utter A, Campbell P, Wadhwa R, Frank K, Marshall K, Stone M. Adjacent Segment Pathology After Treatment with Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion Part 1: Radiographic Results at 7-Year Follow-Up. *Int J Spine Surg*. [accepted 2019]

Nunley P, Kerr E, **Cavanaugh D**, Utter A, Campbell P, Wadhwa R, Frank K, Marshall K, Stone M. Adjacent Segment Pathology After Treatment with Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion Part 2: Clinical Results at 7-Year Follow-Up. *Int J Spine Surg*. [accepted 2019]

2018

Campbell P, Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Short-term outcomes of lateral lumbar interbody fusion without decompression for the treatment of symptomatic degenerative spondylolisthesis at L4-5. *Neurosurg Focus*. 2018; 44:E6.

Nunley P, **Cavanaugh D**, Kerr E, Utter A, Campbell P, Frank K, Marshall K, Stone M. Heterotopic Ossification after Cervical Total Disc Replacement at 7 Years - Prevalence, Progression, Clinical Implications, and Risk Factors. *Int J Spine Surg*. 2018; 12:1-10.

2016

Nunley, P. D., Kerr, E. J., Utter, P. A., **Cavanaugh, D. A.**, Frank, K. A., Moody, D., McManus, B. & Stone, M. B. 2016. Preliminary Results of Bioactive Amniotic Suspension with Allograft for Achieving One and Two-Level Lumbar Interbody Fusion. *Int J Spine Surg*, 10, 12.

2013

Cavanaugh, D. A., Utter, P. A., Jawahar, A., Harper, J. A. & Nunley, P. D. 2013. Intramedullary space occupying lesion of the cervical cord: when magnetic resonance imaging is not possible. *Spine J*, 13, 206-7.

Nunley, P. D., Jawahar, A., **Cavanaugh**, D. A., Gordon, C. R., Kerr, E. J. & Utter, P. A. 2013. Symptomatic adjacent segment disease after cervical total disc replacement: re-examining the clinical and radiological evidence with established criteria. *Spine J*, 13, 5-12

2012

Nunley, P. D., Jawahar, A., Kerr, E. J., Gordon, C. J., **Cavanaugh**, D. A., Birdsong, E. M.,

Stocks, M. & Danielson, G. 2012. Factors affecting the incidence of symptomatic adjacent-level disease in cervical spine after total disc arthroplasty: 2- to 4-year follow-up of 3 prospective randomized trials. *Spine (Phila Pa 1976)*, 37, 445-51

2011

Kerr, E. J., Jawahar, A., Wooten, T., Kay, S., **Cavanaugh**, D. A. & Nunley, P. D. 2011. The use of osteo-conductive stem-cells allograft in lumbar interbody fusion procedures: an alternative to recombinant human bone morphogenetic protein. *J Surg Orthop Adv*, 20, 193-7.

2010

Cavanaugh, D. A., Jawahar, A., Harper, J., McLaren, B. K., Wooten, T., Kerr, E. J. & Nunley, P. D. 2010. Cervical ganglioneuroma in an adult man: case report and literature review of a rare occurrence. *J La State Med Soc*, 162, 218-21.

2009

Cavanaugh, D. A., Nunley, P. D., Kerr, E. J., Werner, D. J. & Jawahar, A. 2009. Delayed hyper-reactivity to metal ions after cervical disc arthroplasty: a case report and literature review. *Spine (Phila Pa 1976)*, 34, E262-5.

Kerr, E. J., Jawahar, A., Kay, S., **Cavanaugh**, D. A. & Nunley, P. D. 2009. Implant design may influence delayed heterotopic ossification after total disk arthroplasty in lumbar spine. *Surg Neurol*, 72, 747-51; discussion 751.

Nunley, P. D., Jawahar, A., Kerr, E. J., **Cavanaugh**, D. A., Howard, C. & Brandao, S. M. 2009. Choice of plate may affect outcomes for single versus multilevel ACDF: results of a prospective randomized single-blind trial. *Spine J*, 9, 121-7.

2008

Cavanaugh, D. A., Jawahar, A., Lee, J. A., Wilkinson, K., Kerr, E. J. & Nunley, P. D. 2008. Intraspinal meningioma in a 101-year old: should age determine the aggressiveness of intervention. *Surg Neurol*, 69, 130-4.

Nunley, P. D., Jawahar, A., Mukherjee, D. P., Ogden, A., Khan, Z., Kerr, E. J. & **Cavanaugh**, D. A. 2008. Comparison of pressure effects on adjacent disk levels after 2-level lumbar constructs: fusion, hybrid, and total disk replacement. *Surg Neurol*, 70, 247-51; discussion 251.

Cavanaugh, D. & Nunley, P. 2008. Book Review: Imaging of the Nervous System, Diagnostic and Therapeutic Application, by Latchaw, Kucharczyk, and Moselei, Elsevier Mosby, 2005. *Spine J*, 8, 555-556.

2007

Nunley, P., Mukherjee, D., Jawahar, A., Ogden, A., Khan, Z., Kerr, E. & **Cavanaugh**, D. 2007. Fusion versus Hybrid after 2-level Lumbar Discectomy: Does the Construct Actually Affect Pressure at Adjacent Levels? A Biomechanical Study. *Spine J*, 7, 101S.

2006

Kerr, E. J., Nunley, P. D., **Cavanaugh**, D. A., Heard, J. S. & Jawahar, A. 2006. Primary osteoblastic osteosarcoma in an elderly female: a case report of perplexing

presentation. *Anticancer Res*, 26, 3117-21.

Book Chapters

Cavanaugh, D. 1990. Occlusive Disease of the Vertebral Artery. *Youmans Neurological Surgery*

Presentations

1. **Cavanaugh D**, Nunley P, Kerr E, Utter A, Campbell P, Wadhwa P, Frank K, Stone M. Radiographic and Clinical Adjacent Segment Pathology Following Cervical Total Disc Replacement or Anterior Cervical Discectomy and Fusion Through 7 Year Follow-Up. *LANS, 2020*, New Orleans, LA
2. **Cavanaugh D**, Nunley P, Coric D, Clerk-Lamalice, O, Frank K, Stone M. Comparison of Cervical Artificial Discs MRI Artifacts (Poster). *Congress of Neurological Surgeons (CNS), 2019*, San Francisco, CA.
3. **Cavanaugh D**, Nunley P, Kerr E, Utter A, Campbell P, Wadhwa R, Frank K, Marshall K, Stone M. Radiographic and Clinical Adjacent Segment Pathology Following Cervical Total Disc Replacement or Anterior Cervical Discectomy and Fusion Through 7-Year Follow-UP (Poster). *Congress of Neurological Surgeons (CNS), 2019*, San Francisco, CA.
4. Utter A, Nunley P, Kerr E, **Cavanaugh D**, Campbell P, Frank K, Marshall K, Stone M. Risk of clinical adjacent segment pathology risk through 7 years postop is reduced following cervical disc arthroplasty compared to anterior cervical discectomy and fusion (Poster). *ANNS/CNS Section of Disorders of the Spine and Peripheral Nerves (DSPN), 2019*, Miami, FL.
5. Nunley P, Kerr E, **Cavanaugh D**, et al. Clinical Adjacent Segment Pathology Risk is Less Following Cervical Disc Arthroplasty Compared to Anterior Cervical Discectomy and Fusion at 7 Years Postop (Podium). *Cervical Spine Research Society (CSRS), 2018*, Scottsdale, AZ.
6. Nunley P, Kerr E, **Cavanaugh D**, et al. Clinical adjacent segment pathology following treatment with CDA or ACDF at one or two-levels through 7 years (Poster). *North American Spine Society (NASS), 2018*, Los Angeles, CA.
7. **Cavanaugh D**, Nunley P, Kerr E, Utter A, Frank K, Stone M. Seven-Year Clinical Results from an FDA Clinical Trial of Single and Multilevel Treatment of Cervical Degenerative Disc Disease: Cervical Disc Replacement versus ACDF (Podium). *42nd Annual Meeting of Louisiana Neurological Society (LANS), 2017*, New Orleans, LA.
8. **Cavanaugh D**, Nunley P, Kerr E, Utter A, Frank K, Stone M. Seven-Year Follow-Up of One-Level vs Two-Level Treatment with Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion (Podium). *30th Annual Neurosurgery in the Rockies Meeting, 2017*, Beaver Creek, CO.
9. **Cavanaugh D**, Nunley P, Kerr E, Utter A, Frank K, Stone M. Seven-Year Follow-Up of One-Level vs Two-Level Treatment with Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion (Podium). *30th Annual Neurosurgery in the Rockies Meeting, 2017*, Beaver Creek, CO.
10. Nunley P, **Cavanaugh D**, Kerr E, et al. Clinical Implications and Risk Factors of Heterotopic Ossification after Cervical Total Disc Replacement at 7-Years (Podium). *North American Spine Society (NASS), 2017*, Orlando, FL.
11. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Cervical Disc

Replacement versus ACDF for Single and Multilevel Treatment of Cervical Degenerative Disc Disease: Seven-Year Clinical results from an FDA Clinical Trial (Podium). *42nd Annual Meeting of Louisiana Neurological Society (LANS)*, 2017, New Orleans, LA.

12. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Heterotopic Ossification after Cervical Disc Arthroplasty at One or Two Contiguous Levels at 7 Years – Prevalence, Progression and Clinical Implications (Podium), 2017, *NASS Annual Spine Summit*. Park City, UT.
13. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Radiographic Adjacent Segment Pathology after Treatment with CDA or ACDF at One or Two Levels at Seven-Years (Podium). *NASS Annual Spine Summit*, 2017, Park City, UT.
14. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Seven-Year Follow-up of One-Level vs. Two-Level Treatment with Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion (Podium). *NASS Annual Spine Summit*, 2017, Park City, UT.
15. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Heterotopic Ossification after Cervical Disc Arthroplasty at One or Two Contiguous Levels at 7 Years – Prevalence, Progression and Clinical Implications (Podium), 2017, *NASS Annual Spine Summit*. Park City, UT.
16. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Prevalence, Progression, and Clinical Implications of Heterotopic Ossification after Cervical Disc Arthroplasty at 7 Years (Podium). *International Society for the Advancement of Spine Surgery (ISASS) Annual Conference*, 2017, Boca Raton, FL.
17. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Radiographic adjacent segment pathology following treatment with CDA or ACDF at one or two levels: a prospective, randomized, controlled FDA clinical trial at seven years (Podium). *International Society for the Advancement of Spine Surgery (ISASS) Annual Conference*, 2017, Boca Raton, FL.
18. **Cavanaugh D**, Nunley P, Utter A, Kerr E, Frank K, Stone M. Comparison of One-Level and Two-Level Treatments for Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion (Poster). *American Association of Neurological Surgeons (AANS)*, 2016, Chicago, IL.
19. **Cavanaugh D**, Nunley P, Kerr E, Utter A, Frank K, Stone M. Comparison of One-Level and Two-Level treatments for Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion (Podium). *Southern Neurosurgical Society (SNS)*, 2016, San Antonio, TX
20. Nunley P, **Cavanaugh D**, Utter A, Kerr E, Frank K, Stone M. Clinical Implications of Heterotopic Ossification After Cervical Disc Arthroplasty At 7 Years (Podium). *Cervical Spine Research Society (CSRS)*, 2016, Toronto, Ontario.
21. **Cavanaugh D**, Nunley P, Utter A, Kerr E, Frank K, Stone M. One-Level versus Two-Level treatments for Cervical Degenerative Disc Disease using Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion (Podium). *Louisiana Neurological Society (LANS)*, 2016, New Orleans.
22. Nunley P, **Cavanaugh D**, Utter A, Kerr E, Frank K, Stone M. SF-12 PCS and VAS Neck Pain as Preoperative Predictors of Patient Success at 60 Months following Single Level Cervical Surgery with TDR or ACDF (Podium). *International Society for the Advancement of Spine Surgery (ISASS)*, 2016, Las Vegas, NV.

23. Nunley P, **Cavanaugh D**, Kerr E, Utter A, Frank K, Stone M. Cervical Disc Replacement vs ACDF for Single and Multilevel Treatment of Cervical Degenerative Disc Disease: Seven- Year clinical Results from a FDA Clinical Trial (Poster). *Cervical Spine Research Society (CSRS)*, 2016, Toronto, Ontario.
24. Nunley P, Kerr E, **Cavanaugh D**, Utter A, Frank K, Stone M. Factors Predictive of Return to Work Time after Cervical Disc Arthroplasty and ACDF: A Multivariable Analysis (Poster). *International Society for the Advancement of Spine Surgery (ISASS)*, 2016, Las Vegas, NV.
25. Nunley P, Kerr E, **Cavanaugh D**, Utter A, Frank K, Stone M. Prevalence, Progression, and Clinical Implications of Heterotopic Ossification after Cervical Disc Arthroplasty at 7 Years (Podium). *North American Spine Society (NASS)*, 2016, Boston, MA.
26. Nunley P, Kerr E, **Cavanaugh D**, Utter A, Frank K, Stone M. Seven-Year Radiographic Adjacent Segment Pathology after Treatment with TDR or ACDF at One or Two Levels (Podium). *North American Spine Society (NASS)*, 2016, Boston, MA.
27. Utter A, Nunley P, **Cavanaugh D**, Kerr E, Frank K, Stone M. One-Level and Two-level Treatments for Degenerative Disc Disease: Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion (Poster). *European Association of Neurological Societies (EANS)*, 2016, Athens, Greece.
28. Utter A, Nunley P, **Cavanaugh D**, Kerr E, Frank K, Stone M. Radiographic Adjacent Segment Pathology after Treatment with CDA or ACDF at One or Two Levels (Poster). *European Association of Neurological Societies (EANS)*, 2016, Athens, Greece.

Community Activities

Member First Baptist Church Shreveport
 Teacher College and Careers Sunday School Class 2002 - 2006
 Board of Directors Shreveport Opera 1989-1994

Volunteer Experience

ThinkFirst National Injury Prevention Foundation
 ThinkFirst of the Ark-La-Tex

Interests and Activities

Piano
 Scuba Diving
 Snowboarding and Skiing
 Golf
 Videography