

SETH ZEIDMAN, M.D.

EDUCATION

1980 Rutgers University
1981-1984 Duke University B.S. Biology Cum Laude

1984-1988 Duke University M.D.

POSTDOCTORAL TRAINING

1988-1989 Johns Hopkins Hospital Internship
General Surgery

1989-1992 Johns Hopkins Hospital Residency
Neurosurgery
1992-1994 National Institutes of Health Clinical Associate
Research Fellow
1994-1995 Johns Hopkins Hospital Chief Resident
Neurosurgery

Research Training

1981-1982 Department of Immunology, Duke University / Ron Corley, PhD
1982-1984 Department of Urology, Duke University / Karen S. Webb, Ph.D.
1986-1988 Department of Pathology (Neuropathology), Duke University/Darell D. Bigner, MD,
PhD and Dennis Bullard, MD
1986-88 Department of Pathology (Neuropathology) Duke University Peter Burger, MD
1992-1994 Surgical Neurology Branch (Vascular Endothelial Growth, Permeability Factor
Laboratory) NINDS National Institutes of Health, Edward H. Oldfield, MD, Marsha J. Merrill,
PhD

LICENSURE and CERTIFICATION

Maryland Licensure D43184 1991-1999
New York State Board of Medicine May 1999 - Present
Diplomate-American Board of Neurological Surgeons 1999 - Present

FACULTY APPOINTMENTS

2002 -2008 : President - Rochester Brain and Spine Neurosurgery

1995- Present Assistant Professor Department of Surgery The Uniformed Services University of the Health Sciences, Bethesda, MD

1999-2002 Chief, Division of Complex Spine, Department of Neurological Surgery, University of Rochester School of Medicine
Co-Director - Spine Center at Strong Memorial Hospital

1995-1999 Chief, Neurosurgery Spine Section: Walter Reed Army Medical Center
Director, Neurosurgical Research: Walter Reed Army Medical Center

1995-1999 Assistant Professor Critical Care Medicine, Department of Anesthesiology
The Uniformed Services University of the Health Sciences Bethesda, MD

1997-1999 Assistant Professor Department of Neurosurgery
The Johns Hopkins University School of Medicine, Baltimore, MD

1995-1999 Clinical Staff Physician Neurosurgery Service Department of Surgery
Walter Reed Army Medical Center, Washington, DC

1994-1999 Clinical Instructor Department of Neurosurgery
The Johns Hopkins University School of Medicine, Baltimore, MD

SOCIETIES AND ORGANIZATIONS

American Association of Neurological Surgery
Cervical Spine Research Society

Lumbar Spine Research Society
Walter Dandy Neurosurgical Society
Oosec Society (Benzel Neurosurgical Spine Society)
Medical Transplant Foundation - Board of Trustees Member
AO/ASIF Spine Faculty

Invited Faculty Positions

Neurosurgical and Orthopedic Spinal Concepts and Techniques Course - 1996
Vancouver, British Columbia
Instructor, Invited Lecturer: Dimensional Anatomy of the Upper Cervical Spine.

The Eighth Annual International Spine Workshop 1996 Bethesda, Maryland
Course Director: Peripheral Nerve Section
Instructor: Cervical Spine Section; Instructor: Thoraco-Lumbar Section

Contemporary Update on Disorders of the Spine 1997 Whistler, British Columbia

Instructor, Invited Lecturer: Complications of Spinal Instrumentation

The Ninth Annual International Spine Workshop 1997 Bethesda, Maryland

Course Director: Peripheral Nerve Section

Course Co-Director: Cervical Spine Section; Instructor: Thoraco-Lumbar Section

Joint Section on Spine and Peripheral Nerve 1997 Newport Beach, California

Instructor: Posterior Cervical Instrumentation

Neurosurgical and Orthopedic Spinal Concepts and Techniques Course 1997 Quebec, Canada

Instructor, Invited Lecturer: Anatomy of the Cervical Spine; Indications for Lumbar Stabilization

Congress of Neurological Surgeons - 1997 New Orleans, Louisiana

Instructor: Posterior Cervical Instrumentation

Invited Lecturer: Combined Anterior Posterior Procedures: Cervical Spine

Contemporary Update on Disorders of the Spine 1998 Whistler, British Columbia

Instructor, Invited Lecturer: Metastatic Disease of the Spine

Joint Section on Spine and Peripheral Nerve 1998 Rancho Mirage, California

Invited Lecturer: Consultant's Corner - Cervical Spine

AO/ASIF Comprehensive Spine Course 1998 Los Cabos, Mexico

Invited Lecturer: Craniocervical Anatomy and Biomechanics Posterior Approaches to Cervical Spine

American Association of Neurological Surgeons 1998 Philadelphia, PA

Invited Lecturer: Metastatic Disease of the Cervical Spine: Surgical Strategies

Instructor: Cervical Instrumentation, Instructor: Thoracolumbar Instrumentation

AANS Spine Surgery Hands-On Course 1998 Albuquerque, New Mexico

Invited Lecturer and Instructor: Thoracic and Lumbar Deformity Correction

Thoracic and Lumbar Exposures

Pedicle Anatomy, Pedicle Screws, PLIFs, and Cages

The Tenth Annual International Spine Workshop 1998 Bethesda, Maryland

Course Co-Director: Peripheral Nerve Course

Course Co-Director: Cervical Spine Section

Instructor: Thoraco-Lumbar Section Minimally Invasive Surgery Section

AO/ASIF Comprehensive and Interactive Spine Course 1998- Montreal, Canada

Invited Lecturer and Instructor: Congenital Scoliosis

Cervical Spondylosis, Upper Cervical Spine Anatomy

Congress of Neurological Surgeons 1998 Seattle, Washington

Instructor: Cervical Instrumentation

Instructor: Thoraco-Lumbar Instrumentation; Invited Lecturer: Cervical Trauma/Fractures

AO/ASIF Comprehensive Spine Course 1999 Cancun, Mexico

Invited Lecturer and Instructor

American Association of Neurological Surgeons 1999 New Orleans, LA

Invited Lecturer: Cervical Spine Instability

The Eleventh Annual International Spine Workshop 1999 Bethesda, Maryland

Course Co-Director: Cervical Spine Section;

Course Co-Director: Peripheral Nerve Course; Instructor: Thoraco-Lumbar Section

AO/ASIF Comprehensive and Interactive Spine Course 1999 Hamilton, Bermuda

Course Co-Chairman; Lecturer and Instructor

AO/ASIF Comprehensive and Interactive Spine Course 2000 Breckenridge, CO

Lecturer and Instructor

The Twelfth Annual International Spine Workshop 2000 Bethesda, Maryland

Course Chairman: Cervical Spine Section

Instructor: Thoraco-Lumbar Section

AO/ASIF Comprehensive and Interactive Spine Course 2000 Captiva, Florida

Course Co-Chairman; Lecturer and Instructor

AANS Total Spine 2000: A Disease Oriented Approach Memphis, Tenn

Lecturer and Instructor, Cervical Instrumentation

Cleveland Clinic Foundation Spine Review Course 2000 Cleveland, Ohio

Invited Lecturer and Instructor

AO/ASIF Spine Resident Course 2000 Chicago, Illinois

Course Co-Chairman; Lecturer and Instructor

Congress of Neurological Surgeons 2000 San Antonio, Texas

Instructor: Cervical Instrumentation

Instructor: Thoraco-Lumbar Instrumentation; Invited Lecturer: Cervical Instability

North American Spine Society 2000 New Orleans

Invited Lecturer: Biomechanics of Cages

Surgical Treatment Options for Chronic Mechanical Low Back Pain St. Louis

Invited Lecturer: Interbody Cages

The Cervical Spine Symposium 2000 New York

Invited Lecturer: Cancer: Surgical Indications and Management

Contemporary Update on Disorders of the Spine 2001 Whistler, British Columbia
Instructor, Invited Lecturer: Bone Metabolism and Interbody Cages

Joint Section on Spine and Peripheral Nerve 2001 Phoenix, Arizona
Invited Lecturer: Electrical Stimulation
Invited Lecturer: Spinal Infections

American Academy of Orthopaedic Surgery - 2001
Federation of Spine Associations San Francisco California
Invited Lecturer: Cage Biomechanics

AO/ASIF Spine Resident Course 2001 Redondo Beach, California
Course Co-Chairman; Lecturer and Instructor

American Association of Neurological Surgeons 2001 Toronto
Invited Lecturer: Intervertebral Cages
Instructor: Thoracic and Lumbar Instrumentation

Society for Total Emergency Programs 2001 Rochester
Invited Lecturer: Spine Injuries

AO/ASIF Comprehensive and Interactive Spine Course 2001 Tucson, Arizona
Lecturer and Instructor

Cleveland Clinic Foundation Spine Review Course 2001 Cleveland, Ohio
Invited Lecturer and Instructor

Spine Education Summit 2001 Boston, Massachusetts
Invited Lecturer and Instructor

The Thirteenth Annual International Spine Workshop 2001 Bethesda, Maryland
Course Chairman: Cervical Spine Section

Avoiding and Managing Complications in Spinal Surgery 2001
Bolton Landing, New York
Course Co-Chairman

AO/ASIF Electronic Workshop 2001 Chicago, Illinois
Invited Lecturer

AO/ASIF Comprehensive and Interactive Spine Course 2002 San Diego
Course Director

Cleveland Clinic Foundation Spine Review Course 2002 Cleveland
Course Co-Chairman

Interbody Fusion St. Louis - 2002
Invited Lecturer

Peruvian Neurosurgical Forum Lima, Peru 2002
Invited Lecturer

AO International Spine Course 2002 Davos, Switzerland
Invited Faculty

Contemporary Update on Disorders of the Spine 2003 Whistler, British Columbia
Invited Faculty

AO/ASIF Comprehensive and Interactive Spine Course 2003 Sun Valley
Lecturer

Spinal Fracture Management Symposium 2003 St Louis
Invited Lecturer

AO/ASIF Comprehensive and Interactive Spine Course 2005 Sun Valley
Lecturer

American Association of Neurological Surgeons - Annual Meeting 2005
New Orleans - Invited Lecturer - "Ask the Experts - Lumbar Spinal Surgery"

Cleveland Clinic Foundation Spine Review Course 2005 Cleveland
Course Co-Chairman

Interbody Fusion St. Louis - 2005
Invited Lecturer

Cervical Spine Research Society - Instructional Course 2005 San Diego Invited Lecturer -
"Syringomyelia"

American Association of Neurological Surgeons - Annual Meeting 2007
New Orleans - Invited Lecturer - "Ask the Experts - Lumbar Spinal Surgery"

Rochester Spine Study Group - Invited Lecturer - 2007 - "Spinal Infections"

3rd Annual Surgical Decision Making & Technological Advancements in Spine Surgery -
Chatham, MA - 2007 - Invited Lecturer

Neurosurgical Society of Australasia - Annual Scientific Meeting - Gold Coast, Queensland -
Invited Lecturer - Advances in Biomaterials and Fixation - 2007

Chinese Orthopedic Association-2nd Annual Meeting - Keynote Speaker 2007

Cervical Spine Research Society - Instructional Course 2007 San Francisco - Invited Lecturer - "Facet Jumps"

Lumbar Spine Research Society – Annual Meeting – 2008

Invited Lecturer

American Association of Neurological Surgeons - Annual Meeting 2008
Chicago - Invited Lecturer - "Ask the Experts - Lumbar Spinal Surgery"

Cleveland Clinic Foundation Spine Review Course 2008 - Cleveland
Invited Lecturer

Emerging Techniques and Technologies in Spine Surgery – Invited Lecturer – Toronto - 2008

Shanghai Changzheng Hospital – Visiting Professor – Invited Lecturer- 2008

Chinese Orthopedic Association - 3rd Annual Meeting - Invited Lecturer 2008

Cervical Spine Research Society - Instructional Course 2008 Austin, TX - Invited Lecturer

AOSNA Principles and Treatment of Spinal Disorders for Residents and Fellows - Invited Lecturer - 2009

4th Annual Surgical Decision Making & Technological Advancements in Spine Surgery –
Stowe, VT - 2009 - Invited Lecturer

HONORS and AWARDS

Alpha Omega Alpha (Honor Medical Society)
1988 Merck Medical Student Award for Excellence
1991 Congress of Neurologic Surgeons First Prize Spine Section (Poster)
1992 Maryland Neurologic Society Resident Research Award Clinical Research Neurosurgery
1994 Upjohn Neurosurgery Resident Research Award

Research Protocols

Safety and Efficacy of DepoDur in Lumbar Spine Surgery Patients

Principal Investigator: Glenn Rechtine, MD

Sub-Investigators: Paul T Rubery, MD ,Robert Molinari, MD Seth Zeidman, MD

Basic Science Investigation and Application of Innovative Minimally Invasive Technologies to Central Nervous System Trauma
Principal Investigators: Geoffrey S.F. Ling, MD, PhD
Co-Investigators: Jeremy Blanchard and Seth Zeidman, MD

PUBLICATIONS

Peer-Reviewed Original Articles

1. Rossitch E Jr, Zeidman SM, et al: Evaluation of memory and language function pre- and postthalamotomy with an attempt to define those patients at risk for postoperative dysfunction. Surg Neurol, 29:11-16, 1988
2. Rossitch E Jr, Zeidman SM, and Nashold BSJ: Nucleus caudalis DREZ for facial pain due to cancer. Br J Neurosurg, 3:45-49, 1989

3. Rossitch E Jr, Zeidman SM, et al: Clinical and pathological analysis of spinal cord astrocytomas in children. *Neurosurgery*, 27:193-196, 1990
4. Zeidman SM: Traumatic quadriplegia with dislocation and central disc herniation. *J Spinal Disorders*, 4:490-491 1991.
5. Silver JM, Rossitch E Jr, Zeidman SM, et al: Ganglioglioma: a clinical study with long-term follow-up. *Surg Neurol*, 35:261-266, 1991
6. Zeidman SM, Ducker TB: Posterior cervical laminoforaminotomy for radiculopathy: Review of 172 cases. *Neurosurgery* 33:356-363, 1993.
7. Zeidman SM, Olivi A: Cervical intramedullary hemorrhage as a result of anticoagulant therapy. *J of Spinal Disorders*, 6:456-458, 1993.
8. Zeidman SM, Rossitch E Jr, Nashold BS: Dorsal root entry zone lesions for relief of pain associated with radiation induced brachial plexopathy. *J Spinal Disorders*, 6:44-47, 1993.
9. Zeidman SM, Geisler FH, Olivi A: Intraventricular rupture of a purulent brain abscess: case report. *Neurosurg*, 36:189-193, 1995
10. Zeidman SM, Monsein LH, Arosarena O, Aletich V, Biafore JM, Dawson RC, Debrun GM: Reversibility of white matter changes and dementia after treatment of dural fistulas. *AJNR*, 16:1080-1083, 1995.
11. Pressman EK, Zeidman SM, Thurman U, Epstein J, Brem H: Differentiating lymphocytic adenohypophysitis from pituitary adenoma in the peripartum patient. *J Reprod Med*, 40:251-259, 1995.
12. McAfee PC, Bohlman HH, Ducker TB, Zeidman SM, Goldstein JA: One-stage anterior cervical decompression and posterior stabilization. A study of one hundred patients with a minimum of two years of follow-up. *J Bone Joint Surg Am*, 77:1791-800, 1995
13. Miller NM, Golnik KC, Zeidman SM, North RB: Pneumosinus dilatans: A sign of intracranial meningioma. *Surg Neurol*, 46:471-4, 1996
14. Zeidman SM, Ducker TB: Cervical Posterolateral Foraminotomy. *Oper Tech in Orthop*, 6, 1996
15. Zeidman SM, Ellenbogen RG, Ducker TB: Intradural Tumors. *Sem Spine Surg* 7, 1996
16. Zeidman SM, Ling GSF, Ducker TB, Ellenbogen RG: Clinical application of pharmacologic therapies for spinal cord injuries. *J Spin Disorders* 9:367-380, 1996
17. Preston DM, Zeidman SM, Spevak M, Moul JW, Costabile RA: Intracranial metastatic

adenocarcinoma of the prostate presenting as visual disturbance *Tech Urol*, 3:51-53, 1997

18. Zeidman SM, Raycroft J, Ducker TB: Trends and complications in cervical spine surgery, *J Spinal Disorders*, 10:523-526, 1997.

19. Goli RS, Peele KA, Smirniotopoulos JG, Zeidman SM, Dow NS, Bailey RL: The dural tail sign, not always a Meningioma. *Ophth Plas and Recon Surg*, 14:126-129, 1998

20. Rigamonti D, Liem L, Sampath P, Knoeller N, Numaguchi Y, Schreiber D, Sloan M, Wolf A, Zeidman SM: Spinal Epidural Abscess: Contemporary Trends in etiology, evaluation and management. *Surg Neurol* 52 (2):189-197, 1999

21. Ling GS, Riechers RG Jr, Riechers RG Pasala KM, Zeidman SM, Rhee P, Wiesmann WP In-Vivo Validation Of A Novel Intracranial Hemorrhage Detector Using Microwaves *Proc. SPIE Vol. 3712*, 18-25, 1999

22. Coleman WP, Benzel E, Cahill DW, Ducker TB, Geisler F, Green B, Gropper MR, Goffin J, Madsen PW, Maiman DJ, Ondra SL, Rosner M, Sasso RC, Trost GR, Zeidman SM: A Critical Appraisal of the Reporting of the National Acute Spinal Cord Injury Studies (II and III) of Methylprednisolone in Acute Spinal Cord Injury. *J Spinal Disorders*, 13: 185-199, 2000.

23. Tsantrizos A, Baramki H, Zeidman SM, Steffen T: Segmental Stability and Compressive Strength of Posterior Lumbar Interbody Fusion Implants. *Spine*, 25(15) 1899-1907, 2000.

24. Kuklo TR, Polly DW, Owens BD, Zeidman SM, Chang AS Klemme WR. Measurement of Thoracic and Lumbar Fracture Kyphosis: Evaluation of Intraobserver, Interobserver, and Technique Variability, *Spine*, 2001, 26(1) 61-66.

25. Polly DW, Klemme WR, Zeidman SM. Lumbar Sagittal Contour Following Posterior Interbody Fusion: Threaded Devices Alone vs Cages Plus Posterior Instrumentation. *Spine*, 2001.

Review Articles

1. Zeidman SM, Ducker TB: Cervical disk diseases. Treatment options and outcomes. *Neurosurgery Quarterly* 2:116-143, 1992

2. Ducker TB, Zeidman SM: Cervical disk disease. Operative procedures. *Neurosurgery Quarterly* 2:144-163, 1992

3. Ducker TB, Zeidman SM: The posterior operative approach for cervical radiculopathy. *Neurosurgery Clinics of North America* 4:61-74, 1993

4. Zeidman SM, Ducker TB: Cervical myelopathy: Posterior approaches. *Current Opinion in Orthopedics* 4(3):53-62, 1993.
5. North RB, Zeidman SM: Failed Back Surgery Syndrome *Contemporary Neurosurgery* 15(4):1-8, 1993
6. Zeidman SM, North RB: Chapter 8: General neurosurgical procedures for management of chronic pain. *Current Rev of Pain* :103-115, 1994
7. Long DM, Zeidman SM: Outcome of therapy for low back pain. *Perspectives in Neurological Surgery*, 5: 41-52, 1994
8. Zeidman SM, Ducker TB: Rheumatoid arthritis: Neuroanatomy, neurophysiology and clinical grading. *Spine*, 19:2259-66 1994
9. Ducker TB, Zeidman SM: Spinal cord injury: Role of steroid therapy. *Spine* 19: 2281-7, 1994
10. Pressman EK, Zeidman SM, Summers L: Primary care for women. *Comprehensive assessment of the neurologic system. J Nurse Midwifery* 40: 163-71, 1995
11. Zeidman SM, Rhines L, Sampath P, Rigamonti D: Spinal Epidural Abscess *Cont Neurosurg* 1995
12. Zeidman SM, Thompson K, Ducker TB: Complications of cervical discography: Analysis of 4400 diagnostic disc injections *Neurosurg*, 37:414-417, 1995
13. Zeidman SM, Ellenbogen RG, Ducker TB: Intradural tumors *Sem Spine Surg* 7: 1996
14. Zeidman SM, Ducker TB: Cervical Posterolateral Foraminotomy in *Oper Tech in Orthop* 6, 1996
15. Zeidman SM, Ling GSF, Ducker TB, Ellenbogen RG: Clinical application of pharmacologic therapies for spinal cord injury. *J Spin Disorders* 9:367-380, 1996
16. Zeidman SM, Long DM: Lumbar Disc Disease *Current Rev of Pain* 1998.
17. Zeidman SM, Ecklund JM, Ellenbogen RG: Spontaneous and traumatic spinal epidural and subdural hematoma management. *Techniq Neurosurg* 5:1-10, 1999
18. Ecklund JM, Depper MW, Zeidman SM: Pyogenic Vertebral Osteomyelitis . *Techniq Neurosurg* 5:282-292, 1999
19. Zeidman SM, Tomlin JM, Rodriguez-Cruz J: Intraoperative spinal sonography *Techniq Neurosurg* 6: 2003

Published Abstracts

1. Webb KS, Zeidman SM, and Ware JL: Production of murine monoclonal antibodies against ricin A-chain. Federation Proceedings, Volume 43, Number 7, p. 1956, 1984.
2. Lum G, Blanchard J, Martens J, Song K, Rhee P, Zeidman SM, Ling GSF: In the CNS in vivo interleukin 1b leads to cerebral spinal fluid lymphocytosis but not fever. Critical Care Medicine 26: Supp A81, 1998.

BOOKS

1. Clark WC, Eismont F, Levine A, Ducker TB, Zeidman SM (eds): The Cervical Spine, 3rd edition. Philadelphia, PA Lippincott-Raven Publishers. 1997
2. Osenbach RK. Zeidman SM (eds). Infections of the Central Nervous System: Diagnosis and Management. Philadelphia: Lippincott-Raven Publishers. 1998
3. Vaccaro AR, Betz RR, Zeidman SM (eds): Principles and Practice of Spine Surgery. Philadelphia, PA: WB Saunders, 2002

BOOK CHAPTERS

1. Zeidman SM, North RB, Ducker TB: Syringomyelia in Johnson RT, Griffin JW (eds.) Current Therapy in Neurological Diseases, 4th Edition. Philadelphia: BC Decker, Inc. 1993.
2. Zeidman SM, Ducker TB: Post-laminectomy Instability: Posterior Procedures in Neurosurgical Operative Atlas, Wilkins RH, Rengachary S (eds) 1993, pp. 341-353.
3. Zeidman SM, North RB: Trigeminal Neuralgia in Conn;|s Current Therapy: Surgery, 15th edition (Rakel R ed) 1994.
4. Zeidman SM, Long DM: Chapter 43: Failed Back Surgery Syndrome in Principles of Spinal Surgery, Menezes AH, Sonntag VKH (eds) 1995, pp 657-680.
5. Zeidman SM, Ducker TB: Chapter 72: Anterior Cervical Fusion Techniques in Principles of Spinal Surgery, Menezes AH, Sonntag VKH (eds) 1995, pp 1133-1146.
6. Ducker TB, Zeidman SM: Chapter 57- Cervical Radiculopathies and Myelopathies: Posterior Approaches in the Adult Spine, Second Edition, Frymoyer J (ed) Raven Press: New York, 1996
7. Zeidman SM, McCormick P, Ellenbogen RG: Syringomyelia Associated with Intraspinal Neoplasms in Syringomyelia and the Chiari Malformations, Benzel E, Awad I, and Anson J (eds)

AANS Publications, 1996.

8. Ducker TB, Zeidman SM: Timing of Surgery: Argument For Early Surgery in Controversies in Spine Surgery, Zdeblick TA, Benzel EC, Anderson P, and Stillerman CB (eds)
9. Zeidman SM, Ducker TB: Neuroanatomy of the Cervical Spine in the Cervical Spine. Cervical Spine Research Society (eds) 1997
10. Zeidman SM, Ducker TB, Ellenbogen RG: Intradural Spinal Tumors in the Cervical Spine. Cervical Spine Research Society (eds.) 1997
11. Zeidman SM, Ling GS, Moses H, Ducker TB: Cervical Spondylotic Myelopathy: Differential Diagnosis in the Cervical Spine. Cervical Spine Research Society (eds.) 1997
12. Zeidman SM, Ducker TB: Cervical Posterolateral Foraminotomy in Techniques in Spine Surgery, Dillin WH (ed) 1997
13. Zeidman SM, Marino C, Osenbach RK, Ducker TB: Intraoperative Monitoring in the Cervical Spine. Cervical Spine Research Society (eds.) 1997
14. Zeidman SM, Ellenbogen RG: Cervical Spine Herniated Disc Disease in Controversies in Spine Surgery. Zdeblick TA, Benzel EC, Anderson P, and Stillerman CB (eds) 1997
15. Zeidman SM, Davis RF. Treatment of Thoracolumbar Fracture with the Kaneda Spinal Instrumentation System in Neurological Operative Atlas. Wilkins RH, Rengachary S (eds), 1997
16. Zeidman SM, Polly D. Posterior Thoracic Instrumentation in The Thoracic Spine. Benzel EC and Stillerman CB (eds), 1998
17. Zeidman SM, Ling SM, Ling GSF. The Geriatric Spine in The Thoracic Spine, Benzel EC and Stillerman CB (eds) 1998
18. Zeidman SM: Spinal Orthotics in The Thoracic Spine, Benzel EC and Stillerman CB (eds): 1998
19. Ellenbogen RG, Zeidman SM: Chiari Malformations in Operative Neurosurgery, Black PM and Kaye A (eds): Churchill Livingstone: London, 1998 In Press
20. Zeidman SM, Rhines L: Chapter 98 - Perioperative and Postoperative Management in Spine Surgery: Complication Avoidance and Management, Benzel E (ed) W.B. Saunders, Philadelphia, 1998
21. Zeidman SM, Ducker TB: Rheumatoid Arthritis Cranial - C1-C2 Disease in Pearls and Pitfalls in Spinal Surgery, Vaccarl A (ed), Thieme, New York, 2000
22. Rosner MK, Zeidman SM: Intradural Spinal Cord Neoplasms in MasterCases: Spine

Surgery, Vaccaro A Albert T (eds), Thieme, New York, 2000

23. Zeidman SM, Ducker TB: Circumferential Spinal Fusion: Cervical in Schmidek and Sweet's Operative Neurosurgical Techniques, 4th edition, Schmidek HH (ed), WB Saunders, Philadelphia PA, 2000

24. Ducker TB, Zeidman SM: Cervical Laminectomy in Controversies in Spine Surgery: Surgical Techniques and Medical Treatment, Zdeblick TA and Benzel EC (eds), Quality Medical Publishing, Inc., St. Louis, Missouri, 2000

25. Zeidman SM, Ducker TB: Infections of the Spine in Spinal Surgery: Complication Avoidance and Management in Benzel E (ed) W.B. Saunders, Philadelphia, 1999

26. Zeidman SM, Ducker TB: Anterior Cervical Discectomy in Operative Neurosurgery, Black PM and Kaye A (eds) Churchill Livingstone: London, 2000

27. Zeidman SM, Ducker TB: Laminectomy for Myelopathy in Controversies in Spine Surgery in Zdeblick TA, Benzel EC, Anderson P, and Stillerman CB (eds). 2000

28. Zeidman SM, Fehlings M: Chapter 42 - Cauda Equina Syndrome in Spinal Surgery: Complication Avoidance and Management, Benzel E (ed) W.B. Saunders, Philadelphia, 1999

ORAL PRESENTATIONS

1. Rossitch E Jr, Zeidman SM, Horner J, Bullard D, Nashold BS: Pre and Post-Operative Evaluation of Memory and Language Function in Patients Undergoing Thalamotomy for Movement Disorders. American Association of Neurological Surgeons 1988

2. Zeidman SM, Rossitch E Jr, Anscher ME, Nashold BS: Dorsal Root Entry Zone Lesions for Relief of Pain Associated with Radiation Induced Brachial Plexopathy. American Association of Neurological Surgeons 1988

3. Rossitch E Jr, Zeidman SM, Anscher ME, Nashold BS: The Use of Dorsal Root Entry Zone Lesions in the Treatment of Cancer Pain. American Association of Neurological Surgeons 1988

4. Zeidman SM, Ducker, TB: Posterior Cervical Laminoforaminotomy for Radiculopathy: Review of 172 Cases. Cervical Spine Research Society 1990

5. McAfee PC, Zeidman SM, Ducker TB, Bohlman HH: Combined Anterior Cervical Decompression and Posterior Stabilization: Review of 75 Cases. Cervical Spine Research Society 1991

6. Zeidman SM, Ducker TB Sponseller P, Carson BS: Pediatric Spinal Cord Concussion:

Redefining the Entity and Therapeutic Ramifications. Pediatric Section: American Association of Neurological Surgeons 1991

7. Zeidman SM, McAfee PC, Ducker TB, and Bohlman HH: Combined Anterior Cervical Decompression and Posterior Stabilization: Review of 75 Cases with Long Term Follow-Up. American Association of Neurological Surgeons 1992

8. Zeidman SM: Elucidating the Function of the Cerebral Cortex: Harvey Cushing and the Development of Intraoperative Electrical Stimulation. AANS 1992

9. Zeidman SM, Ducker TB, Thompson KT: Complications of Cervical Discography: Results in 3987 Diagnostic Cervical Disc Injections. Maryland Neurological Society 1992

10. Zeidman SM, Ducker TB, Davis RF, Paul C. McAfee PC: Symptomatic Cervical Spine Pseudoarthrosis After Anterior Arthrodesis: Treatment by Posterior Laminoforaminotomies and Fusion: Report of 41 Cases. Congress of Neurological Surgeons 1992

11. Zeidman SM, Ducker TB, Thompson K: Complications of Cervical Discography: Results in 3987 Diagnostic Cervical Disc Injections. Congress of Neurological Surgeons 1992

12. Zeidman SM and Ducker TB: Posterolateral Fusion to Prevent Post-laminectomy Kyphosis - Review of 30 Cases, Cervical Spine Research Society 1992

13. Zeidman SM and Ducker TB: Comparison of Anterior and Posterior Approach Procedures for Cervical Spondylotic Myelopathy, Cervical Spine Research Society 1992

14. Davis RF, Zeidman SM, Ducker TB, North RB: Cervical Spinal Metastases, Cervical Spine Research Society 1992

15. Ducker TB Zeidman SM: Cervical Spondylotic Myelopathy: Determination of the Appropriate Operative Approach. Review of 300 Cases. European Cervical Spine Research Society 1993

16. Pressman EK, Zeidman SM: Central Nervous System Imaging in Late Post-partum Eclampsia. American College of Obstetrics and Gynecology 1993

17. Zeidman SM and Ducker TB: Cervical Spondylotic Myelopathy: Determination of the Appropriate Operative Approach. Review of 300 Cases. Joint Section on Disorders of the Spine and Peripheral Nerves AANS/CNS 1993

18. Zeidman SM and Ducker TB: Selection of Operative Approach for Cervical Spondylotic Myelopathy, American Association of Neurological Surgeons 1993

19. Zeidman SM, Pressman EK, Glenn G, Linehan WM, Oldfield EH: Hemangioblastoma of the Central Nervous System: Hormone-Induced Symptomatic and Radiographic Progression. American Association of Neurological Surgeons 1994

20. Zeidman SM, Ducker TB, McAfee PC: Reoperation for Failed Anterior Cervical Fusion: Selection of Operative Approach. Congress of Neurological Surgeons 1994
21. McAfee PC, Bohlman H, Ducker TB, Zeidman SM, Goldstein J: One stage anterior cervical decompression and posterior stabilization. A study of 100 patients with 2 year minimum follow-up. Academy of Orthopedic Surgery 1995
22. Sampath PS, Zeidman SM, Rigamonti D: Spinal Epidural Abscess: Review of 75 Cases. 10th European Congress of Neurosurgery 1995
23. Zeidman SM Rhines L, Ducker TB: Atrophic Myelopathy: Late Sequelae of Cervical Spondylotic Myelopathy. Congress of Neurological Surgeons 1995
24. Zeidman SM, Raycroft J, Whitehill R, Ducker TB: Trends and Complications in Cervical Spine Surgery 1989-1993, Cervical Spine Research Society 1995
25. Osenbach RK, Zeidman SM, Raycroft J, Ellenbogen RG, Ducker TB: Complications in Cervical Spine Surgery 1989-1993, Joint Section on Disorders of the Spine and Peripheral Nerves - AANS/CNS 1996
26. Poffenbarger GJ, Zeidman SM, Osenbach RK, Raycroft J, Ellenbogen RG, Ducker TB. Trends in Cervical Spine Surgery 1989-1993, American Association of Neurological Surgeons 1996
27. Poffenbarger GJ, Zeidman SM Osenbach RK, Raycroft J, Ellenbogen RG, Ducker TB. Complications in Cervical Spine Surgery 1989-1993, American Association of Neurological Surgeons 1996
28. Ellenbogen RG, Strand R, Rao K, Armonda R, Zeidman SM: Phase Contrast Cine-MRI in Evaluation of Ventricular Obstruction, Congress of Neurological Surgeons 1996
29. Polly DW, Orchowski JR, Ellenbogen RG, Zeidman SM: Revision of Stripped Pedicle Screws: Longer, Bigger or Shims, Which is Best? Congress of Neurological Surgeons 1996
30. Blanchard J, Lum G, Martens J, Song K, Rhee P, Zeidman SM, Ling GSF: CNS Production of TNFa Response to the Injection of IL-1b Uniformed Services University of the Health Sciences Research Symposium 1997
31. Lum G, Blanchard J, Martens J, Song K, Rhee P, Zeidman SM, Ling GSF. CNS Inflammation, roles for both IL-1b and TNFa. D.C. Thoracic Society Meeting 1997
32. Lum G, Blanchard J, Martens J, Song K, Rhee P, Zeidman SM, Ling GSF. IL-1b icv Administration Leads to Increased TNFa in the CNS. Society for Neuroscience 1997
33. Lum G, Blanchard J, Martens J, Song K, Rhee P, Zeidman SM, Ling GSF: In the CNS in

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34. Young CR, McCambridge M, Blanchardfz J, Rhee P, Zeidman SM, Ling GSF. A Pharamcokinetic Assessment of IL-1b in the CNS. Uniformed Services University of the Health Sciences Research Symposium 1998

35. Ducker TB, Zeidman SM: Posterior Lumbar Interbody Fusion with a New Bone Cage. Joint Section on Disorders of the Spine and Peripheral Nerves AANS/CNS 1999

36. Kuklo TR, Polly DW, Owens BD, Klemme WR, Zeidman SM: Measurement of Thoracic and Lumbar Fracture Kyphosis: Evaluation of Intraobserver, Interobserver, and Technique Variability. North American Spine Society 1999

37. Tsantrizos A, Baramki H, Zeidman SM, Steffen T: Segmental Stability and Compressive Strength of Posterior Lumbar Interbody Fusion Implants. North American Spine Society 1999

38. Poffenbarger GJ, Simmons TJ, Zeidman SM, Monacci WT. Intraoperative Recurrent Laryngeal Nerve Monitoring May Decrease Complications in Anterior Cervical Spine Surgery. Joint Section on Disorders of the Spine and Peripheral Nerves - AANS/CNS 2000

39. Patel U, Capicotto P, Whitbeck G, Dobson R, Zeidman SM, Millet D. CT-Fluoroscopy Guided Pars Injections: Initial Experience. American Society of Neuroradiology 2001.

POSTER PRESENTATIONS

1. Webb KS, Zeidman SM, Ware JL: Production of Murine Monoclonal Antibodies Against Ricin A Chain. ASBC/AAI Annual Meeting 1984

2. Zeidman SM, Hudson G, Lee Y, Bigner D, Bullard D: Evaluation of the Influence of Anesthetic Agents on Blood Brain Barrier Disruption and Delivery of Monoclonal Antibodies to the Rat Brain. Congress of Neurological Surgeons 1987

3. Zeidman SM McArthur J: Enhancing Spinal Cord Lesions in AIDS: Results of Open Biopsy Joint Section on Disorders of the Spine and Peripheral Nerves. AANS/CNS 1991

4. Zeidman SM, Davis R: Anterior Cervical Discectomy and Fusion with a Sculpted, Reversed Graft. Joint Section on Disorders of the Spine and Peripheral Nerves. AANS/CNS 1991

5. Zeidman SM, Ducker TB: Posterior Cervical Laminoforaminotomy for Radiculopathy: Review of 172 Cases. Joint Section on Disorders of the Spine and Peripheral Nerves. AANS/CNS 1991

6. Zeidman SM Ducker TB: Magnetic Resonance Imaging in the Initial Evaluation of Acute

Cervical Spine Trauma. American Association of Neurological Surgeons 1991

7. Zeidman SM, Ducker TB: Posterolateral Fusion to Prevent Kyphosis Following Cervical Laminectomies for Myelopathy - Review of 30 Cases. Congress of Neurological Surgeons 1991
Winner: First Place Prize Spine Section

8. Zeidman SM McArthur J: Enhancing Spinal Cord Lesions in Patients with AIDS: Results of Biopsy. American Association of Neurological Surgeons 1991

9. Zeidman SM, Merrill MJ, Oldfield EH: Effects of Hypoxia on Vascular Endothelial Growth Factor Regulation, Congress of Neurological Surgeons 1993

10. Pressman EK, Zeidman SM: Peripartum Pituitary Masses. Society of Perinatologists and Obstetricians 1994

11. Coleman WP, Benzel E, Cahill DW, Ducker TB, Geisler F, Green B, Gropper MR, Goffin J, Madsen PW, Maiman DJ, Ondra SL, Rosner M, Sasso RC, Trost GR, Zeidman SM: A Critical Appraisal of the Reporting of the National Acute Spinal Cord Injury Studies (II and III) of Methylprednisolone in Acute Spinal Cord Injury. 5th International Neurotrauma Symposium, Garmisch-Partenkirchen, 2000.