

CURRICULUM VITAE
CHARLES L. SCHNEE, MD, FACS

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Education/Honors

9/86-5/90: M.D. 1990, Tufts University School of Medicine
Alpha Omega Alpha Honor Medical Society

9/82-5/86: A.B. English 1986, University of California, Berkeley
Chancellor's Scholar, High University Honors
Highest Honors, Department of English

Surgical Training

6/90-6/91: Intern, General Surgery

7/91-6/97: Resident & Chief Resident, Department of Neurological Surgery
University of Pennsylvania, Philadelphia, PA

1995: Fellow, Spinal Surgery, Department of Neurosurgery
University of Texas, Houston

Certification

5/2000-2020: Diplomate, American Board of Neurological Surgery

7/1991: Diplomate, National Board of Medical Examiners

Licensure

8/2/06-current: Medical Physician and Surgeon,
Controlled Dangerous Substances Permit
State of Maryland

8/92-current: Schedule II-IV Certification, Drug Enforcement Administration, USA

5/97: Medical Physician and Surgeon, California (inactive)

8/92: Medical Physician and Surgeon, Pennsylvania (inactive)

7/95: Medical Physician and Surgeon, Texas (inactive)

Professional Affiliations

Fellow, American Association of Neurological Surgeons
 Fellow, American College of Surgeons
 Member, Congress of Neurological Surgeons
 Secretary, Maryland Neurosurgical Society

Hospital Staff Positions

2012-current: Maryland Specialty Surgery Center, Baltimore, MD
 2009-current: St. Agnes Hospital, Baltimore, MD
 2007-current: University of Maryland Rehabilitation and Orthopedics Institute,
 (formerly Kernan Hospital), Baltimore, MD
 2011-2014: Sinai Hospital, Baltimore, MD
 2006-2010: University of Maryland Medical Center, Baltimore, MD
 Maryland Shock Trauma Center, Baltimore, MD
 Veterans Administration Medical Center, Baltimore, MD
 1997-2006: Providence Saint Joseph Medical Center, Burbank, CA
 1997-2003: Encino-Tarzana Regional Medical Center, Tarzana, CA
 1997-2000: Glendale Adventist Medical Center, Glendale, CA

Faculty & Practice Positions

2014-current: Chief, Neurosurgery Section, *St. Agnes Hospital*
 2009-current: Director, Neurosurgical Oncology, *St. Agnes Hospital*
 2012-current: Chief Executive Officer, *Maryland Specialty Surgery Center*
 2011-current: President, *Hennessy, Shuey & Schnee, Chartered*
 2007-current: Chief, Spinal Surgery & Neurosurgery, *University of Maryland
 Rehabilitation and Orthopedics Institute*
 2006-2009: Assistant Professor, Director of Spinal Surgery, Dept. of Neurosurgery
University of Maryland School of Medicine
 2001-2006: Clinical Instructor, Department of Neurosurgery
UCLA School of Medicine
 1997-2006: Practice Director, Vice President, *Lawner-Schnee Neurosurgery, Inc.*
 1996-97: Instructor, Department of Neurosurgery, *University of Pennsylvania*
 1995: Instructor, Department of Neurosurgery, *University of Texas, Houston*

Consulting Positions

2007-current: Food and Drug Administration (Rockville, MD)
 Orthopedic and Rehabilitation Devices Panel
 Medical Devices Advisory Committee
 2009-current: Zimmer Spine (Minneapolis, MN)
 Surgeon Education, Product Development, Sales Staff Education
 2014: K2M Spine (Leesburg, VA)
 Product Development, Sales Staff Education
 2010-2013: Medicrea USA (New York, NY; Lyon, FR)
 Product Development & Validation

Consulting Positions, continued

- 2008-2011: Synthes Spine (Westchester, PA)
Surgeon Education; Product Development and Validation
- 2006-2008: Stryker Spine (Allendale, NJ)
Surgeon & Sales Staff Education, Product Development & Validation
- 2006-2008: Questmark Management Company, Inc (Baltimore, MD)
Investment Research & Analysis, Medical Devices

Professional Committees & Appointments

- 2013-present: Secretary/Treasurer, *Maryland Neurosurgical Society*
- 2009-current: Director, Neurosurgical Oncology
Chief, Neurosurgery & Spine Surgery, Peer Review, *St. Agnes Hospital*
- 2007-current: Section Chief, Peer Review and Proctoring, Neurosurgery and Spine
Surgery
University of Maryland Rehabilitation and Orthopedics Institute
- 2007-2010: Medical Student Mentoring Program
University of Maryland School of Medicine
- 2006-2009: Director of Spinal Surgery, Department of Neurosurgery
University of Maryland School of Medicine
- 2006-2009: Peer Review, Department of Surgery
Veterans Administration Medical Center
- 2001-2006: Section Chief, Neurosurgery
Surgery Committee/Surgery Review Committee
- 1998-1995: Medical Education Committee
- 1999-2002: Pharmacy & Therapeutics Committee
Providence Saint Joseph Medical Center
- 2004-06: Professional Standards & Ethics Committee
Jewish Home for the Aging, Los Angeles
- 1998-99: Ethics Committee, *Encino-Tarzana Medical Center*
- 1992-95: House Staff Committee, Medical Board
Hospital of the University of Pennsylvania
- 1987-89: Student Representative, Association of American Medical Colleges
Tufts University School of Medicine

Research Positions

- 2012-current: Investigator
Post-Market Surveillance of Dynesys System Fusion Device
- 1989: Howard Hughes Research Fellow
Surgical Neurology Branch, NINDS
National Institutes of Health, Bethesda, MD
- 1987: Departments of Radiation and Medical Oncology
Tufts-New England Medical Center, Boston, MA

Invited Talks, Course Faculty, Media & Community Appearances

Minimally Invasive Surgery (MIS) TLIF: Anatomy, Indications, Technique, & Case Presentations. Physician Lecture & Cadaver lab (Zimmer-Biomet). Baltimore, MD, January 2016.

Vertebral Artery Anatomy and Risk during Cervical Spine Surgery. Surgery Resident Conference, January 2016.

MIS Lateral Interbody Fusion: Anatomy, Indications, Technique, & Case Presentations. Surgical Grand Rounds, Saint Agnes Hospital, December 2015.

Trans-Psoas (Lateral) Interbody Fusion: Anatomy, Indications, Technique, & Case Presentations. Physician Lecture & Cadaver lab (Zimmer-Biomet). Baltimore, MD, August 2015.

Trans-Psoas (Lateral) Interbody Fusion: Anatomy, Indications, Technique, & case presentation. Zimmer Spine Sales Staff Lecture & Cadaver lab. Baltimore, MD, June 2015.

Common Lower Back Surgeries. Saint Agnes Community Lecture Series, April 2015.

Trans-Psoas (Lateral) Interbody Fusion: Anatomy, Indications, Technique, & case presentation. Sales Staff Lectures (K2M). Leesburg, VA, February 2015.

Myelopathy & Cauda Equina Syndrome: Overview and Surgical Treatment. Surgical Grand Rounds, Saint Agnes Hospital, September 2014.

Motion Preservation in Spinal Surgery. Saint Agnes Hospital, Surgical Grand Rounds, November 2013.

Treatment of Neck and Back Pain. Saint Agnes Community Lecture Series, November 2012.

Head Injury and Elevated Intracranial Pressure: Concepts and Applications. Surgical Grand Rounds, Saint Agnes Hospital, May 2012.

Spine Deformity in Adults. Medical Grand Rounds, Saint Agnes Hospital, November 2011.

Posterior Occipital-Cervical Fusion and Fixation. Invited Lecture, Allied Orthopedics Seminar, Baltimore, MD, June 2011.

Lumbar Fusion Techniques: What works in 2011. Surgical Grand Rounds, Saint Agnes Hospital, May 2011.

Cervical Spine Disorders. Medical Grand Rounds, Saint Agnes Hospital, November 2010.

Biologics in Spinal Surgery. Invited Lecture, Allied Orthopedics Seminar, Baltimore, MD, September 2010.

Invited Talks, Course Faculty, Media & Community Appearances continued

Direct Lateral Interbody Fusion and Cage Fixation. Course Faculty, Cadaver Laboratory Course. Lecture: Surgical Technique, Patient Positioning, Case Reviews. Baltimore, MD, June 2015; Charlotte, NC, April 2010; Charlotte, NC, September 2010, Baltimore, MD, March 2009.

Posterior Lumbar Spinal Stabilization with Dynesys System. Course Faculty, Cadaver Laboratory Course. Lectures: Surgical Technique, Indications, Case Illustrations. Atlanta, GA, December 2009; Miami, FL February 2010; Henderson, NV March 2010; Henderson, NV November 2010; Henderson, NV May 2011; Miami, FL June 2011; Miami, FL December 2012; Miami, FL October 2013; Miami, FL April 2014; Miami, FL October 2014.

Unstable Spine Fractures: Concepts, indications, and timing of surgery. Surgery Grand Rounds, Saint Agnes Hospital, October 2009.

Spinal Instability: Concepts and case examples. Faculty, Innovation in Musculoskeletal Management (CME Symposium), Saint Agnes Hospital, October 2009.

Spinal Metastases: Patient selection and vertebral reconstruction. Oncology Grand Rounds, Saint Agnes Hospital, Baltimore, MD, August 2009.

Lumbar Interbody Fusion Techniques. Invited Lecture, Stryker Spine Sales Force, Baltimore, MD, March 2009.

Vertebral Resection, Reconstruction and Augmentation: Current Concepts. Grand Rounds, Carroll Hospital Center, December 2008.

Advanced Spinal Trauma: Course Faculty, Cadaver Laboratory. Lecture: Indications and Timing of Surgery for Unstable Spine Fractures. Swedish Medical Center, Seattle, WA, August 2008.

Posterior Lumbar and Thoracic Fixation Techniques: Course Director, Cadaver Laboratory. Lecture: Strategies for Pedicle Screw Insertion. Baltimore, MD, June 2008.

Current and emerging techniques in lumbar fusion: Grand Rounds, Upper Chesapeake Medical Center, January 2008.

Spinal Trauma: Instability, Indications & Techniques: Lecture, Stryker Sales Training Course, Allendale, New Jersey, December 2007.

Spinal Metastases: surgical indications and techniques: Radiation Therapy Grand Rounds, University of Maryland Medical Center, November 2007.

C1-2 Spinal Instability: Assessment and Treatment Options: Grand Rounds, Frederick Memorial Hospital, March 2007.

Spinal disc emergencies: Emergency Room Grand Rounds, Howard County General Hospital, December 2006.

Invited Talks, Course Faculty, Media & Community Appearances continued

Vertebrectomy & Reconstruction Techniques: Course Director, Cadaver Laboratory.
Lecture: Indications for Cervical Vertebrectomy. Baltimore, MD, November 2006.

Treatment of spinal fractures in the elderly: Medical Grand Rounds, Providence Saint Joseph Medical Center, November 2005.

Treatment of osteoporotic compression fractures: Medical Grand Rounds, Providence Saint Joseph Medical Center, October 2004.

Update on spinal fusion, bone substitutes, and extenders: Medical Grand Rounds, Providence Saint Joseph Medical Center, May 2003.

Radiculopathy: symptoms, signs, & differential diagnosis: Medical Grand Rounds, Motion Picture Industry Health Center, February 2003.

Treatment of spinal cord injury: Lecture, Critical Care update course, Providence Saint Joseph Medical Center, June 2002.

Lumbar disc disease: Lecture, Rehabilitation Grand Rounds, Providence Saint Joseph Medical Center, March 2001.

Commentary on roller coaster injuries: NBC Nightly News (national), July 4, 2000.

Assessment & Management of Elevated Intracranial Pressure: Lecture, Critical Care update course, Providence Saint Joseph Medical Center, June 2000.

Commentary on roller coaster injuries: Orange County Register (California), March 2000.

Lumbar disc disease: Lecture, Rehabilitation Grand Rounds, Providence Saint Joseph Medical Center, April 1999.

ICU management of intracerebral hemorrhage: Lecture, Critical Care update course, Providence Saint Joseph Medical Center, June 1998.

"Think First" Head & Spinal Cord Injury Prevention Speaker: American Association of Neurological Surgeons, 1995-2002.

Abstracts

Schnee CL, Ansell LV: Criteria for selecting operative technique for thoracolumbar burst fractures: implications and results. American Association of Neurological Surgeons, 1997

Weil RJ, Schnee CL, Marcotte PJ: Revision anterior cervical fusion. American Association of Neurological Surgeons, 1997

Abstracts continued

Weil RJ, Schnee CL, Freese A, Marcotte PJ: Anterior cervical decompression and fusion for cervical spondylolytic myelopathy. American Association of Neurological Surgeons, 1997

Schnee CL, Marcotte PJ, Weil RJ: Management of patients with failed back syndrome following instrumented lumbar fusion. Joint Section on Spine and Peripheral Nerve, 1997

Schnee CL, Freese A, Weil RJP, Marcotte PJ: Morbidity and fusion outcome of autologous iliac crest bone graft for anterior cervical reconstruction. Congress of Neurological Surgeons, 1996

Schnee CL, Weil RJP, Freese A, Marcotte PJ: Evaluation of operative technique for thoracolumbar spinal tumors. Congress of Neurological Surgeons, 1996

Schnee CL, Ansell LV: Lumbar spinal fusion with pedicle screw fixation: patient selection, perioperative management, and outcome analysis. American Association of Neurological Surgeons, 1996

Schnee CL, Ansell LV: Surgical management of thoracolumbar fractures: analysis of 36 cases. Joint Section on Spine and Peripheral Nerve, 1996

Schnee CL, Marcotte PJ: Corpectomy and spondylectomy for thoracic spinal mass lesions. Congress of Neurological Surgeons, 1995

Schnee CL, Solomon D, Galetta SL, Zager EL, Flamm ES: Neuro-ophthalmologic complications of upper basilar artery aneurysm rupture and operation. American Association of Neurological Surgeons, 1994

Olson JJ, Schnee C, Merrill M, Oldfield EH: Inhibition of protein synthesis in cerebral microvascular endothelium. American Association of Neurological Surgeons, 1990

Schnee C, Kennison R, Chase B: Problem based learning curriculum development at Tufts University School of Medicine. Association of American Medical Colleges, 1988

PublicationsChapters

Schnee CL, Flamm ES: Unusual aneurysms, in Hurst RW (ed): Neuroimaging Clinics of North America. Philadelphia, W.B. Saunders, Nov. 1997, 7:4, pp 803-818.

Schnee CL, Flamm ES: Surgical management of special aneurysms, in Welch M, Caplan L, Reis D, Siesjo B, Weir B (eds): Primer on Cerebrovascular Disease. San Diego, Academic Press, 1997, pp. 480-483.

Journal Articles

Szerlip NJ, Schnee CL: Pathophysiology and biomechanical implications of Ankylosing Spondylitis in the spine. SpineLine X(4): 16-21, July-August 2009.

Schnee CL, Freese A, Weil RJ, Marcotte PJ: Autologous iliac crest bone graft for anterior cervical reconstruction: analysis of harvest morbidity and radiographic outcome. Spine 22:2222-2227, 1997.

Schnee CL, Freese A, Ansell LV: Outcome analysis for adults with spondylolisthesis treated with posterolateral fusion and transpedicular fixation. J Neurosurg 86:56-63, 1997.

Schnee CL, Ansell LV: Selection criteria and outcome of operative approaches for thoracolumbar burst fractures with and without neurologic deficit. J Neurosurg 86:48-55, 1997.

Schnee CL, Hurst RW, Curtis M, Friedman ED: Carcinoid tumor of the sacrum. Neurosurgery 35:1163-67, 1994

Hurst RW, Schnee C, Raps EC, Farber R, Flamm ES: Role of transcranial doppler in neuroradiological treatment of intracranial vasospasm. Stroke 24:299-303, 1993

Cruz J, Zager EL, Schnee CL, Gennarelli TA, Hoffstad OJ: Failure of jugular lactate determinations to disclose cerebral ischemia in post-traumatic infarction. J Trauma 35:805-807, 1993

Levy DI, Zabramski JM, ReKate HL, Schnee CL: Pediatric all-terrain vehicle accidents in Arizona: 1986-1990. BNI Quart 8:16-19, 1992