

CURRICULUM VITAE

Steven Vanni, D.O., D.C.

1. Date August, 2010

I. PERSONAL DATA

2. Name: STEVEN VANNI

3. Home Phone: private

4. Office Phone: 305-243-4778

5. Office Address: 1095 NW 14th Terrace, Miami, FL 33136

6. Current Academic Rank: Assistant Professor of Clinical Neurological Surgery and Orthopedics and Rehabilitation

6a. Current Track of Appointment Clinical Educator Track

7. Primary Department: Neurosurgery

8. Secondary or Joint Appointments: Orthopedics and Rehabilitation

9. Citizenship: U.S. Citizen

10. Visa Type: N/A

II. HIGHER EDUCATION:

11. Institutional:

July 2000 – June 2001 **SPINE CLINICAL/ RESEARCH FELLOW**
University of Miami-School of Medicine
Department of Neurological Surgery
1095 NW 14 Terrace
Miami, Florida 33136

July 1999 – June 2000 **CHIEF RESIDENT**
Long Island Jewish Medical Center/North Shore University Hospital
Long Island Campus for Albert Einstein College of Medicine
New Hyde Park, New York

July 1996 – June 2000 **NEUROLOGICAL SURGERY RESIDENCY**
Long Island Jewish Medical Center/North Shore University Hospital
Long Island Campus for Albert Einstein College of Medicine
New Hyde Park, New York

July 1995 – June 1996 **INTERNSHIP**
Palmetto General Hospital
2001 W 68 Street
Hialeah, Florida 33016

July 1991 – June 1995 DOCTOR OF OSTEOPATHIC MEDICINE
 Nova Southeastern University
 North Miami Beach, Florida

July 1983 – June 1986 DOCTOR OF CHIROPRACTIC
 Life Chiropractic College 1983-1986
 Marietta, Georgia

July 1982 – June 1983 BACHELOR OF SCIENCE IN NUTRITION
 Miami Dade Community College 1982-1983
 Miami, Florida

12. Non-Institutional None

13. Certification / Licensure

October 2005 **Board Certified Neurological Surgery**
 October 2005 **Diplomat Of The National Board Of Osteopathic Medical Examiners**
 July 1995 **Florida License # 0S0007328**
 July 1995 **Florida DEA # BV51.33309**
 July 1996 **New York License # 203992**
 July 1996 **New York DEA P BV5009471**
 August 1986 **National Board Of Chiropractic**
 August 1986 **Florida Board OF Chiropractic**
 August 1986 **Physiotherapy**

III. EXPERIENCE:

14. Academic

May 2009 -Present Attending Physician Jackson Memorial Hospital/North, North Miami Beach, FL

May 2008 -Present Clinical Instructor, Attending Physician University of Miami Hospital, Miami, FL

July 2001-Present Assistant Professor, Departments of Neurosurgery & Osteopathic & Rehab
 University of Miami Miller School of Medicine, Miami, FL

July 2001-Present Clinical Instructor, Attending Physician, University of Miami Miller School of
 Medicine, Miami, FL

July 2000-June 2001 Spine Clinical/Research Fellowship, University of Miami Miller School of
 Medicine, Miami, FL

July 1996-June 2000 Neurological Surgery Residency, Long Island Jewish Medical Center/North
 Shore University Hospital

July 1995-June 1996 Medical Internship Palmetto General Hospital, Hialeah, FL

15. Hospital Appointments
Miami Veterans Affairs Medical Center
University of Miami Hospital
Jackson Memorial Hospital

16. Non Academic: N/A

17. Military: N/A

IV. PUBLICATIONS

18. Books and Monographs Published

1. Jea A, **Vanni S**, Green BA. Syringomyelia in: The Spine, 5th edition. Herkowitz et al, Rothman-Simone, section Editors. The Spine-chapter 84. Elsevier, inc., WB Saunders Company. Philadelphia, PA, 2005

19. Juried or Refereed Journal Articles (Published)

1. Farhat HI, Hood B, **Vanni S**, Levi AD. Minimally invasive repair of spontaneous intracranial hypotension. Submitted *J Neurosurgery*- 2010
2. Manzano GR, Casella G, Wang MY, **Vanni S**, Levi AD. A prospective randomized study comparing expansile cervical laminoplasty versus cervical laminectomy and fusion. *J Neurosurg: Spine* - 2010
3. Benglis DM, **Vanni S**, Levi AD: An anatomical study of the lumbosacral plexus as related to the minimally invasive transpsoas approach to the lumbar spine *Journal of Neurosurgery: Spine* Feb 2009, Vol. 10, No. 2, Pages 139-144
4. Levi AD, Green BA, Wang MY, Dietrich D, Brindle T, **Vanni S**, Casella G, El Hammady G , Jagid J: The clinical application of modest hypothermia in the treatment of acute spinal cord injury. *J Neurotrauma*, March 2009; 26(3): 407-415.
5. Benglis DM, Elhammady MSA, Levi AD, **Vanni S**: Minimally Invasive Anterolateral Approaches for the Treatment of Back Pain and Adult Degenerative Deformity. *Neurosurgery* 2008 Sep; 63 (3 Suppl):191-6.
6. Jea A, Sheth RN, **Vanni S**, Green BA, Levi AD. Modification of Wright's technique for placement of bilateral crossing C2 translaminar screws: technical note. *Spine J.* 8:4, 656-660 2008
7. Jea A, Tatsui C, Farhat H, **Vanni S**, Levi AD: Vertically unstable Type III odontoid Fractures: Case report. *Neurosurgery* 58:797-798, 2006
8. Jea A, **Vanni S**, Anterior Correction of Cervical Spine Lordosis Using an Adjustable Depth Tap: Technical Note. Case report. *Journal of Spinal Disorders & Techniques.* 18(2): 178-181, April 2005.

9. Navarro R, Javahary R, Eismont F, Arnold DJ, Bhatia NN, **Vanni S**, Levi AD: The use of sternocleidomastoid muscle flap for esophageal fistula repair in anterior cervical spine surgery. *Spine* 30:617-22, 2005
10. Uribe JS, Green BA, **Vanni S**, Moza K, Guest J, Levi AD: Acute traumatic central cord syndrome-experience using surgical decompression with open door expansile cervical laminoplasty. *Surgical Neurology* 63:505-510, 2005
11. Jea A, Moza K, Levi AD, **Vanni S**: Spontaneous Spinal Epidural Hematoma during Pregnancy: Case Report and Literature Review. *Neurosurgery* 56:1156, 2005
12. Qian T, Guo X, Levi AD, **Vanni S**, Shebert RT, Sipski ML. High-dose methylprednisolone may cause myopathy in acute spinal cord injury patients. *Spinal Cord* 43:199-203, 2005
13. Guest JD, **Vanni S**, Silbert L: Mild Hypothermia, blood loss and complications in elective spinal surgery. *Spine Journal* 4:130-137, 2004
14. Wang MY, Green BA, Shah S, **Vanni S**, Levi AD. Complications associated with lumbar stenosis surgery in patients older than 75 years of age: *Neurosurgical Focus* 2003; 14(2): Article 7 pp 1-4
15. Javahary R, **Vanni S**, Levi AD: Chiari I malformations and syringomyelia. *Seminars in Neurosurg* 13:2:119-130, 2002

19b. Papers /Poster Presentations

1. 2000/01 The Efficacy of a Cervical Orthosis with Head Strap in Limiting Motion (abstract of poster accepted and presented @ 2001 AANS/CNS Section on Disorders of the Spine and Peripheral Nerves) 1st Author
2. 2000/01 Acute Traumatic Central Cord Syndrome: Experience Using Early Surgical Decompression with Open Door Expansile Laminoplasty (abstract of poster accepted and present @ 2001 AANS/CNS Section on Disorders of the Spine and Peripheral Nerves) 2nd Author
3. 2000/01 The Safety of Moderate Hypothermia for Neuroprotection During Spinal Cord Surgery (abstract of poster accepted and presented @ 2001 AANS/CNS Section on Disorders of the Spine and Peripheral Nerves) 1st Author

20. Other Works, Publications and Abstracts

1. Graham RM, Guest JD, Thompson JW, Webster KA, **Vanni S**. Cepharanthine reverses multidrug resistance sensitizing neuroblastoma cell lines to vincristine-induced cell death. AARC, Washington DC, 2010
2. Navarro R, Javahary R, Eismont F, Arnold DJ, Bhatia NN, **Vanni S**, Levi AD: The use of sternocleidomastoid muscle flap for esophageal fistula repair in anterior cervical spine surgery. Joint Section on Disorders of the Spine and Peripheral Nerves (AANS/CNS), 21st Annual Meeting, Phoenix, AZ (2005)
3. Guest JD, **Vanni S**, Green BA, Surgical repair of cauda equina transaction. *Spinal cord Med*, 2002.

4. Guest JD, **Vanni S**, Green BA. Repair of the completely transected cauda equine using sural nerve grafts. Proceedings, AANS/CNS, Section on Spinal Disorders of the Spine and Peripheral Nerves. Orlando, FL. 2002.
5. Wang MY, Shah S, Levi AD, **Vanni S**, Sherman A, Green BA: Lumbar stenosis surgery in the fourth quartile of life. Congress of Neurological Surgeons, Philadelphia 2002
6. Owen EJ, Silbert L, **Vanni S**, Guest JD: Does Mild hypothermia lead to increased complications in elective spinal surgery. J. Neurotrauma 19:10 (1334), 2002.
7. Uribe J, **Vanni S**, Jagid J, Guest JD, Levi AD: Acute traumatic central cord syndrome: Experience using early surgical decompression with open door expansile cervical laminoplasty. Joint Section on Disorders of the Spine and Peripheral Nerves. (AANS/CNS) 17th Annual Meeting, Phoenix, AZ 2001
8. **Vanni S**, Bhatia S, Belanger E, Freedman A, Levi AD: The efficacy of a cervical ortosis with head strap in limiting motion. Joint Section on Disorders of the Spine and Peripheral Nerves. (AANS/CNS) 17th Annual Meeting, Phoenix, AZ 2001

System Designer: NuVasive VuePoint OCT Posterior Cervical Fusion System 2007

21. Other works accepted for publication: N/A

V. PROFESSIONAL

22. Funded Research Performed:

Active:

11/08 – present Sponsor: Mystic Force Foundation
 Topic: The primary goal of this research group is to find novel and effective treatments for Neuroblastoma.
 PI: Dr. S. Vanni
Percent Effort: 20 %
 Amount of Grant: On-going; funded solely by the Mystic Force Foundation: \$180,000

09/03 – present Sponsor: Medtronic Sofamor Danek
 Topic: Study of the Bryan™ Cervical Disc Prosthesis in the Treatment of Degenerative Disc Disease – Pivotal IDE Study – IRB approved
 Co-PI: Dr. S. Vanni
Percent Effort: 15 %
 Amount of Grant: \$85,550

Past:

11/07 – 06/08 Sponsor: NFL Charities
 Topic: Therapeutic hypothermia following severe spinal cord injury – IRB approved
 Co-PI: Dr. S. Vanni
Percent Effort: 5 %
 Amount of Grant: \$ 112, 719

09/02 – 06/09 Sponsor: Medtronic Sofamor Danek

Topic: Long term follow-up of patients treated with ACDF utilizing the Atlantis plating system - IRB approved
Co-PI: Dr. S. Vanni
Amount of Grant: \$16,000

05/06 – 11/09 Sponsor: Integra
Topic: Randomized controlled trial of DuraGen Plus adhesion barrier matrix to minimize adhesions following lumbar discectomy IRB approved
Co-PI: Dr. S. Vanni
Percent Effort: 10 %
Amount of Grant: \$164,380

23. Editorial Responsibilities: N/A

24. Professional and Honorary Organizations

2007 – Society of Lateral Access Surgery
2005 – American Academy of Spine Physicians
2005 – Society of Pre-Sacral Surgeons
2001 – Dade County Medical Association
2001 – American College of Osteopathic Surgeons
2001 – American Osteopathic Board of Surgeons
2001 – The American Osteopathic Board of Neurological Surgery
2000 – Florida Medical Association
1986 – American Chiropractic Association
1986 – Florida Chiropractic Association

25. Honors and Awards

Admitted to the Miami Dade College Hall of Fame for Outstanding Achievement in Medicine 2008

26. Post-Doctoral Fellowships: N/A

25. Other Professional Activities: N/A

VI. TEACHING

28. Teaching Awards Received

June 2007 The Roberto C. Heros – Best Resident Teacher award in Neurosurgery, University of Miami

29. Teaching Specialization

1. University of Miami/Jackson Memorial Hospital/Grand Rounds/Resident Lectures/Fellow & Resident Training

2. Faculty: DePuy Concepts in Minimally Invasive Spine Courses *Complications in MIS Surgery* December 5, 2009 New York, NY
3. Faculty: DePuy Advanced Concepts in Spine *Arthroplasty & Minimally Invasive Surgery* August 29-23, 2009 Chicago, IL
4. Instructor: Medtronic *Kyphon Balloon Kyphoplasty, Surgical Approaches & Techniques Cadaver Lab* August 1, 2009 Miami, FL
5. Instructor: Synthes Spine Advanced Cervical Solutions with ProDisc-C *Cadaver Lab* March 22, 2009 Doral, FL
6. Faculty: Integrity Medical & NuVasive's Point Counterpoint Educational Workshop *Anterior thigh complications from XLIF surgery at the L4-5 level; Necessitate and alternative approach* May 28-31, 2009 Key West, FL
7. Faculty: DePuy 2009 Neurosurgery Residents Spine Education Summit March 7, 2009 Raynham, MA
8. Faculty: Dade County Chiropractic Society Meeting *Minimally Invasive Spine Surgery* October 14, 2008 Miami Beach, FL
9. Faculty: American Chiropractic Association *Application of Spinal Cord Hypothermia and Cervical Disc Arthroplasty* September 12, 2008, Boca Raton, FL
10. Faculty: Depuy 3rd Annual Pre-fellowship Bioskills Training Workshop *Surgical Techniques and Anatomic Approaches* April 27, 2006 Baltimore, MD
11. Faculty: DePuy Latin American Orthopedic/Neurosurgery Surgical Conference: *Spondylolisthesis* July 11, 2005 Miami, FL
12. Guest Speaker: Scoliosis Research Society, 2006
13. Faculty: Global Spine Trauma Conference *Surgical Management of Spondylolisthesis, 2004*
14. Guest Speaker: Nova/Southeastern Medical School, Fort Lauderdale, FL, 2004
15. Guest Speaker: Long Island Jewish Medical Center, New Hyde Park, NY, 2002
16. Guest Speaker: North Shore University Hospital, Manhasset, NY, 2002

30. Teaching and Dissertation Advising: N/A

VII. SERVICE

31. University Activities

Surgical Committee – University of Miami Hospital 2006

32. Community Activities

Founder and Member of the Board of Directors of the Mystic Force Neuroblastoma Foundation, 2008

Medical Director Magic Waters Foundation, 2008