

CURRICULUM VITAE

MARCO T. SILVA, MD, PA
Golden Triangle Neurocare
2965 Harrison Suite 111
Beaumont, Texas 77706

- PRESENT:** **June '03-present** **Private Practice-General Neurosurgery**
Special interests: *Cervical Spine*
(herniated disc, spinal stenosis,
degenerative process, cervical
fusion/reconstruction), *Lumbar spine*
(disc herniations, spondylolisthesis,
fractures, lumbar stenosis, lumbar
fusion/reconstruction, Minimally Invasive
Surgery), Brain tumors, Carpal Tunnel
Surgery
- EDUCATION:** **June '02-June '03** **Chief Resident, Thomas Jefferson**
University Hospital, Dept. of Neurosurgery
- July '98-June '03** **Thomas Jefferson University Hospital**
Resident, Department of Neurosurgery
- Jan-June 2002** **Spine Fellow**
Division of Reconstructive Spine Surgery
Dept. of Orthopedic Surgery, Rothman
Institute
Thomas Jefferson University Hospital
- July-December 2001** **Chief Resident**
Division of Cerebrovascular Surgery
Department of Neurosurgery
- June '97-June '98** **Stanford University, General Surgery**
Internship
- Sept. '93-June '97** **UCSD School of Medicine, Doctor of**
Medicine
- Sept. '89-June '92** **University of California, Irvine**
Degree in Biological Sciences
- HONORS:** **American Federation for Clinical Research-Excellence in**
Research
Howard Hughes Center of Excellence
Dean's Honor List

**Golden Key National Honor Society
National Institute of Health Psychobiology Research
Experience for Undergraduates
Research Mentorship Program
Howard Hughes Undergraduate Research Fellowship
National Hispanic Scholarship Foundation
Los Alamitos Auxiliary Medical Center Scholarship**

**RESEARCH: David Barba, MD and Fred H. Gage, PhD
Division of Neurosurgery
UCSD, School of Medicine**

**RESEARCH
CONTINUED: Research Assistant, Laboratory of Cellular and Molecular
Neurobiology, Department of Psychobiology
University of California, Irvine
June '90-'93**

**Research Assistant, Biochemistry and Molecular Biology
University of California, Irvine
Summer '88-'89**

**PRESENTATIONS: Bone Morphogenic Proteins. Grand Rounds, Department
of Neurosurgery, Thomas Jefferson University 2002 and
Spine Fellows Lecture Series Rothman Institute,
Division of Reconstructive Spinal Surgery, 2002**

**Intradural Spinal Cord Tumors. Spine Fellows Lecture
Series, Rothman Institute, Division of Reconstructive
Spinal Surgery, 2002**

**Subarachnoid Hemorrhage in Octagenarians. Marco T.
Silva, et al Invited Talk. PanPhiladelphia Surgical Society.
December 2001**

**Corpus Callosotomy Improves Quality of Life in Patients
With Epilepsy. Marco T. Silva, MD, Michael J. O'Connor,
MD, Michael R. Sperling, MD, Joyce Liporace, MD. Oral
Presentation CNS 2001 San Diego, California**

**Cavernous Sinus Malformations. Grand Rounds, Dept. of
Neurosurgery, Thomas Jefferson University 2001.**

**Vertebral Artery Dissecting Aneurysms. Grand Rounds,
Dept. of Neurosurgery, Thomas Jefferson University 2000.**

Arachnoid Cysts. Grand Rounds, Dept. of Neurosurgery,

Thomas Jefferson University, 1999.

Chiari Malformations. Grand Rounds, Dept. of Neurosurgery, Thomas Jefferson University, 1998.

Toxoplasmosis Titers as a Predictor of Brain Biopsy: Results in AIDS Patients. Marco T. Silva, Peter Nakaji, Donna Gilpatrick, David Barba Abstract: CNS 1997, Oral Presentation.

PUBLICATIONS:

Spinal cord injury: prehospital and emergency room management , as well as timing of treatment. Spine: Core Knowledge in Orthopaedics. Harrop J, Silva M, Fiscaro M, Vaccaro AR. Mosby, 2005: 267-273.

A critical analysis of the literature regarding surgical approach and outcome for adult low-grade isthmic spondylolisthesis. Kwon, Silva, Hilibrand et al J Spinal Disord Tech. 2005 Feb;18 Suppl:S30-40.

Endovascular occlusion of wide-necked aneurysms with a new intracranial microstent (Neuroform) and detachable coils. Benitez, Silva, Rosenwasser, et al Neurosurgery. 2004 Jun;54(6):1359-67; discussion 1368.

Cervicothoracic radiculopathy treated using posterior cervical foraminotomy/discectomy. Harrop, Silva, Simeone, et al. J Neurosurg. 2003 Mar;98(2 Suppl):131-6

Posterior Cervical Decompression Techniques. Seth M. Zeidman, MD, Marco T. Silva, MD, Paul T. Rubery, MD, Alexander R. Vaccaro, MD. Chapter in Fractures Of the Cervical, Thoracic, and Lumbar Spine, 2002

Back Pain: An Overview. Marco T. Silva, MD and Todd J. Albert, MD. Orthopedic Hyperguide, Web Article.

A Review of the Size and Location of Ruptured Intracranial Aneurysms. Thomas R. Forget Jr., MD, Ronald Benitez, MD, Ashwini Sharan, Erol Veznedarglu, MD, William Mitchell, MD, Marco T. Silva, MD, Robert Rosenwasser. Neurosurgery, December 2001. Volume 49, Number 6, Pg 1322.

A Review of the Size and Location of Ruptured Intracranial Aneurysms. Thomas R. Forget Jr., MD,

Ronald Benitez, MD, Ashwini Sharan, Erol Veznedarglu, MD, William Mitchell, MD, Marco T. Silva, MD. Abstract: CV Section 2001 Hawaii and CNS 2001 San Diego, California. Oral Poster.

**Comparison of Instrumented Anterior and Posterior Lumbar Interbody Fusions with Posterolateral Lumbar Fusions Using Pedicle Fixation For Management of Mechanical Back Pain
Ashwini D. Sharan, MD, Marco Silva, MD, James S. Harrop, MD, Gregory J. Przybylski, MD. Abstract: Spine & Peripheral Nerves Section 2000, Poster.**

Sodium Nitroprusside/Thiosulfate in the Neurosurgical Intensive Care Unit. Jeffery E. Thomas, MD., Erol Veznedaroglu, MD., Megan McGee Gillespie, RN., Thomas Forget, MD., Robert H. Rosenwasser, MD., Marco Silva, MD., Lee Buono, MD., Nancy Chavala, B.A. Abstract: CNS 2000 San Antonio, Texas Oral Poster.

Toxoplasmosis titers as a Predictor of Brain Biopsy: Results in AIDS Patients. Marco T. Silva, Peter Nakaji, Donna Gilpatrick, David Barba. Abstract: CNS 1997, Oral Poster.

Immunizations with GM-CSF and HSV-TK/GCV Treatments Results in Increased Survival in Rat Bearing Poorly Immunogenic Brain Tumors. Marco T. Silva, David Barba, Ulrike Blumer, Fred H. Gage. Abstract: CNS 1997, Poster

SOCIETIES:

**American Association of Neurological Surgeons
Congress of Neurological Surgeons
American Medical Association
Jefferson Medical Society
Texas Medical Association**

LANGUAGES:

English, Spanish

BOARDS:

Board Certified: The American Board of Neurological Surgery November 12, 2008 – December 31, 2018