Dr. David Benglis, M.D.

**David M. Benglis, MD**

**Atlanta Brain and Spine Care**

**2001 Peachtree Road**

**Suite 575**

**Atlanta, Georgia  30309**

**(404) 350-0106**

Dr. David M. Benglis, Jr., M.D. is a Board Certified Neurosurgeon practicing at Atlanta Brain and Spine Care.

Dr. Benglis was born and raised in southwestern Louisiana. He completed his undergraduate training with high honors at the University of Texas at Austin earning a Bachelor of Arts degree in Microbiology and attended medical school at the University of Texas Health Science Center in San Antonio graduating with honors through the Alpha Omega Alpha (AOA) society.

During medical school, Dr. Benglis accepted a one-year position as a Howard Hughes research scholar at the National Institutes of Health (NIH), where he worked in the National Cancer Institute (NCI) performing cutting edge research under the direction of Dr. Paul Roche, Phd.

He graduated from his neurosurgical residency at the University of Miami in 2011. From 2007-2009 Dr. Benglis completed a two-year non-ACGME advanced subspecialty fellowship in spinal neurosurgery under the guidance of his spine mentors now chairman of neurosurgery Dr. Alan Levi, M.D., Phd., Dr. Michael Y. Wang, M.D., Dr. Steve Vanni, D.O., and chairman emeritus Dr. Barth Green M.D. who directed one of the largest spinal cord injury research centers in the country; the Miami Project to Cure Paralysis.

During these two years in fellowship, Dr. Benglis developed a particular surgical interest in the treatment of various spinal problems through minimal access approaches. Dr. Benglis has recently authored various book chapters and journal articles on these specific topics.

Dr. Benglis is Medical Director of the [Atlanta Institute for Minimally Invasive Spine Surgery](http://www.atlanta-spine.com/). He performs outpatient minimally invasive surgery at Perimeter Surgery Center and other operations at Piedmont Main Campus. Dr. Benglis is a member of the American Association of Neurological Surgeons (AANS), Congress of Neurological Surgeons (CNS), and the AANS-CNS joint section on disorders of the spine.

Dr. Benglis holds positions on the Piedmont Hospital Governance committee, credentialing committee, and operative block committee.

Dr. Benglis enjoys developing a unique and personal relationship with his patients and assisting them in the understanding and treatment of their neurological spinal disorders. In his free time he enjoys travelling and outdoor activities.

**Clinics**
Dr. Benglis holds clinics in the following locations:

**Main office**- Across from Piedmont Main Campus
Spine Center
2001 Peachtree Road NE, Suite 575
Atlanta, GA 30309

**Woodstock-**

980 Woodstock Parkway Suite 300

Woodstock, GA 30188

**Kennesaw-**

3525 Busbee Drive Suite 100

Kennesaw, GA 30144

**Marietta-**

790 Church Street

Suite 250

Marietta, GA 30060

**Piedmont Fayetteville Hospital**
West Building
Suite 5200

**Newnan Location**
In Kroger's shopping center next to children's dentist office.

1741 Newnan Crossing Blvd.

Suite G

Newnan, GA 30265

**"Many of my patients get better without surgery.  We are not a factory like some other places in the Atlanta area.  Every patient is unique and gets a customized treatment plan."**

**Dr. Benglis also doesn’t believe that lasers provide any benefit to patients.  They look great on billboards but using heat around nerves is never a good thing.**

**Conditions treated by Dr. Benglis:**

* Lumbago and cervicalgia (Back and neck pain)
* Degenerative disc disease
* Radiculopathy (Arm and leg pain, tingling, numbness, weakness)
* Cervical and thoracic myelopathy
* Lumbar stenosis or neurogenic claudication
* Loss of lordosis or kyphosis of the cervical or lumbar spine
* Failed back syndrome
* Traumatic spine fractures
* Some scoliosis conditions
* Some spinal tumors

**Conservative treatments advocated by Dr. Benglis**

* **Pain management**-  Dr. Benglis works with a select few pain management physicians (ones he would let treat his own mother) in the greater Atlanta area.  Many patients get better without surgery and Dr. Benglis works closely with these physicians to return a patient to acceptable health and pain levels.
* **Physical therapy, Pilates, Yoga, Personal Training-**Patients with back or neck issues (usually axial pain) learn basic Pilates and core strengthening techniques that help with a speedier recovery from injury.  It is important to balance the core abdominal musculature with the erector muscles of the back and neck.
* **Medications-** Short courses of nerve medicines, anti inflammatories, muscle relaxers, and steroid doses sometimes get patient’s through a downturn.
* **Chiropractor-**One of my mentors Steve Vanni was a chiropractor turned neurosurgeon.  I learned that many of their adjustments and manipulation techniques helped patients avoid open operations.
* **Bracing-** While bracing on the long term tends to cause atrophy of muscle, short term bracing may help an exacerbation of pain.

**Common surgeries Dr. Benglis performs (Dr. Benglis performs both minimally invasive and open procedures.)**

* **Spinal decompression surgery** cervical, thoracic, and lumbar laminectomy, laminotomy/foraminotomy, laminoplasty (minimally invasive and open)
* **Discectomy** cervical, thoracic, and lumbar (minimally invasive and open)
* **Spinal fusions** cervical, thoracic, and lumbar (minimally invasive and open)
	+ Anterior cervical discectomy and fusion (ACDF), posterior cervical fusion
	+ Anterior lumbar discectomy and fusion (ALIF), extreme lateral interbody and fusion (XLIF), posterior - transforaminal lumbar interbody fusion (TLIF)
* **Disc arthroplasty** cervical (maintaining spinal motion)
* **Spinal cord stimulation**

CV:

# David M. Benglis, Jr., M.D.

Board Certified Neurosurgeon

## Education

7/2004-7/2011 **University of Miami/Jackson Memorial Hospital Neurological Surgery Residency**

7/1999-7/2004 **University of Texas Health Science Center at San Antonio.**

M.D. May 2004 \*(7/2001-7/2002 Research see below)

7/1994-7/1999 **The University of Texas, Austin**

B.A., Microbiology \*(7/1997-7/1998 worked and did not attend college)

## Fellowships

7/2007-7/2009 **Internal Non-ACGME Spine Fellowship (P.I. Dr. Allan Levi)**

*4/2011* **Minimally Invasive preceptorship Dr. Chad Prusmack (Rocky Mountain Spine Clinic, Denver, CO)**

7/2011 **Scoliosis preceptorship Dr. Chris Shaffrey (University of Virginia Hospital, Charlottesville, VA)**

7/2011 **Minimally Invasive preceptorship Dr. Choll Kim (Founder Society of Minimally Invasive Spine Surgeons (SMISS Headquarters, San Diego, CA)**

***Honors and Awards***

5/2010 ***10th* Rosamoff Research Day Certificate of Recognition**

Awarded by Department of Neurosurgery, University of Miami **“Outcomes in Pediatric Patients with Chiari I Malformation Treated Without Surgery”**

# 5/2008 *8th* Rosamoff Research Day Certificate of Recognition

Awarded by Department of Neurosurgery, University of Miami Anatomical Study of the Lumbar Plexus as Related to the Minimally Invasive Anterolateral Approach to the Lumbar Spine.

9/2007 **North American Spine Society Scholarship** for attendance at the 2007 meeting in Austin, Texas.

# 6/2004 AOA UTHSC San Antonio Medical School

6/2002 **Medical Alumni Association James J. Young, PhD, Research Award** Awarded by the University of Texas Health Science Center at San Antonio for placing first in the annual Medical School Research Day presentations.

# 6/2002 Howard Hughes Medical Institute Continued Fellowship for Medical Studies

Competitive Scholarship Awarded by HHMI for work done through the Cloister’s program and the NIH in Bethesda, MD (2001-2002).

## Publications

Taylor AB, **Benglis D**, Dhandayuthapani S, Hart PJ.

Structure of Mycobacterium tuberculosis methionine sulfoxide reductase A in complex with protein-bound methionine. J Bacteriol. July 2003

Jea A, Baskaya MK, Farhat H, **Benglis D**, Zauner A.

Pneumocephalus in a patient with a ventriculoperitoneal shunt after percutaneous gastrojejunostomy catheter placement: case report. Surg Neurol. Jan 2006

**Benglis D**, Sanberg DI

Acute neurological deficit after minor trauma in an infant with achondroplasia and cervicomedullary compression: case report and review of the literature. JNS Pediatrics. August 2007

**Benglis D**, Wang M, Levi AD

A Comprehensive Review of the Safety Profile of Bone Morphogenetic Protein in Spine Surgery Neurosurgery. Operative Neurosurgery Supplement 2, May 2008.

Elhammady S, M.D., **Benglis D**, Sanjiv Bhatia M.D., David I. Sandberg, M.D., John Ragheb,

M.D. Ventriculoatrial shunt catheter displacement in a child with partial anomalous pulmonary venous return : Case report. JNS Pediatrics July 2008

**Benglis D**, Guest J, Wang M. Clinical Feasability of Minimally Invasive Cervical Laminoplasty. Neurosurgical Focus. July 2008.

**Benglis D**, Elhammady S, Wang M, Vanni S. Minimally Invasive Anterolateral Approaches for the Treatment of Back Pain and Adult Degenerative Deformity. Neurosurgery. Deformity Supplement September 2008

**Benglis D,** Vanni S, Levi A. An Anatomical Study of the Lumbosacral Plexus as Related to the Minimally Invasive Transpsoas Approach to the Lumbar Spine. JNS Spine. February 2009.

Raffa S, **Benglis D,** Levi AD. Treatment of a persistent iatrogenic cerebrospinal fluid-pleural fistula with a cadaveric dural-pleural graft. Spine Journal. April 2009.

**Benglis D**, Levi A. Neurological Findings of Craniovertebral Junction Disease. Neurosurgery. March 2010.

Kuluz J, Samdani A, **Benglis D**, Gonzalez-Brito M, Solano J, Ramierez M, Luqman A, de los Santos R, Hutchinson D, Nares M, Padgett K, He D, Huang T, Levi A, Betz R, Dietrich WD. Pediatric Spinal Cord Injury in Infant Piglets: Description of a New Large Animal Model and Review of the Literature. J Spinal Cord Med. May 2010.

**Benglis D**, Derek Covington, Ritwik Bhatia, Sanjiv Bhatia, MD, Mohamed Samy Elhammady, MD, John Ragheb MD, Glenn Morrison, MD, David I. Sandberg, MD Outcomes in Pediatric Patients with Chiari I Malformation Followed Up Without Surgery. JNS Ped. April 2011.

Hood B, **Benglis D**, Levi, AD, Vanni S: Occiput to Thoracic Fusion Following Radical Resection of Desmoid Tumor: Case Report World Neurosurgery. January 2013.

**Benglis, D.** Prado L, Haid R. Indications and Techniques for Anterior Lumbar Interbody Fusion. Global Sagittal Balance. Contemporary Neurosurgery. In Press

## Book Chapters

**Benglis D,** Levi A. Robotics, FES, Brain-Computer Interfaces, Locomotor Training Strategies. Spine and Spinal Cord Trauma: Evidence-Based Management. Vaccaro A, Fehlings M, Dvorak

M. Thieme Publishers. New York, NY. **2010**

**Benglis D,** Jea A, Vanni S, Green B. Syringomyelia. Rothman-Simeone The Spine. 6th Edition. Herkowitz H, Garfin S, Eismont F, Bell G, Balderson R. Saunders Elsevier. Philadelphia, PA. **2011**

Jea A, **Benglis D**, Falcone S, Green B. Post-traumatic syringomyelia. Spine Trauma. Zigler J, Eismont F, Garfin S, Vaccaro A. 2nd ed. AAOS. Rosemont, IL. **2011**

**Benglis D**, Trimble B**,** Bullock MR. Monitoring the injured brain after Severe TBI. in Traumatic Brain Injury Text from Neurosurgical Society of São Paulo (SONESP). **2012.**

**Benglis D,** Levi AD. Craniovertebral Junction Abnormalities. Surgery of the Craniovertebral Junction. Bambakidis N, Dickman C, Spetzler R, Sonntag V. Thieme. New York City, NY. **2012.**

**Benglis D,** Boden S, Wang MY. Biology of spine fusion. Spine Surgery: Techniques, Complication Avoidance, and Management (Third Ed.). Benzel E. Saunders Elsevier. Philadelphia, PA. **2012.**

**Benglis D,** Levi AD, Wang MY. Hypothermia-evidence based review. Essentials of spinal cord injury. Basic research to clinical practice. Fehlings M, Vaccaro A, Boakye M, Rossignol S. Thieme. New York, NY. **2012.**

**Benglis D**, Trimble B**,** Bullock MR. Monitoring the injured brain after Severe TBI. Traumatic brain and spinal cord injury: Challenges and developments. Morganti-Kossmann C, Raghupathi R, Maas A. Cambridge University Press. New York, NY. **2012**

**Benglis D,** Trivedi RA, Green BA. Management of Chiari Malformations and Syringohydromyelia. Neurosurgery Tricks of the Trade. Nader R, Berta S, Gragnaniello C, Sabbagh A. Thieme. New York, NY. **2014**

**Benglis D,** Trivedi RA, Green BA. Management of Progressive Post-traumatic Cystic/ Myelomacic Myelopathy (Tethered Cord Syndrome) in the Adult. Neurosurgery Tricks of the Trade. Nader R, Berta S, Gragnaniello C, Sabbagh A. Thieme. New York, NY. **2014**

**Benglis D**, Hostin R, Prado L, Haid R. Anterior Lumbar Interbody Fusion Techniques for Restoration of Spinal Alignment. Global Spinal Alignment and Balance. Haid R, Schwab F, Shaffrey C, Youssef J. Quality Medical Publishing **2015.**

**Benglis D,** Wadhwa R, Mumaneni P, Haid R. Interspinous Process Fixation for Motion Preservation. Advanced Concepts in Lumbar Degenerative Disk Disease. Pinheiro-Franco J. Springer. New York, N.Y. **2016**

**Benglis D**, Fessler R, Haid R. Transpedicular Thoracic Discectomy. Atlas of Neurosurgical Techniques- Spinal and Peripheral Nerve Surgery: 2nd Ed. Fessler R, Sekhar L. Thieme. New York, NY. **2016**

**Benglis** D, Haid R. Lumbar disc herniation/radiculopathy. Clinical Decision Support System on Spine Surgery (electronic-app). Vaccaro A, Rihn J, Prasad S, Wang M. In Press

## Research

7/2001-7/2002 **Howard Hughes Medical Institute/NIH Cloister’s Research Scholar’s Program**

P.A. Roche, Ph.D., National Cancer Institute, Experimental Immunology Branch, National Institutes of Health. Project consisted of characterization of the B7.2 co-stimulatory molecule at the immunological synapse.

7/2007-7/2009 **University of Miami/Jackson Memorial Hospital**

Spine Research fellow Allan Levi, Ph.D., M.D.

Involved in a porcine spinal cord injury model and whether a neuroprotective drug showed a benefit.

8/2011-2015 **Principal Investigator Atlanta, GA** with long-term follow up for Medtronic Prestige ST clinical trial and the Prestige LP clinical trial

## Editorial Section

6/2008 Ad-Hoc Reviewer European Spine Journal

## Standardized Test Scores

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| --- | --- | --- |
| June 2001 | USMLE Step 1 Exam | Passed |
| August 2003 | USMLE Step 2 Exam | Passed |
| Nov 2004 | USMLE Step 3 Exam | Passed |
| March 2009 | Neurosurgery Written Board exam | Passed |
| May 2015 | Neurosurgery Board Certification Oral exam | Passed |

***Employment***

7/2011-present **Neurosurgeon** Atlanta Brain and Spine Care, Piedmont Hospital, Atlanta, GA

# 7/2009-7/2011 Operative Dictation Consultant for Chairman Dr. Barth Green,

University of Miami

7/2004-7/2011 **Neurological Surgery Residency training,** Jackson Memorial Hospital

## Medical Licenses

2007-present **Florida Board of Medicine License ME 98361** 2011-present **Georgia Board of Medicine License 065525** 2013-present **California Medical License A124867**

2013-present **Louisiana Medical License MD.206085**

2013-present **Texas Medical License P7246**

## Professional Memberships

2005-present **Congress of Neurological Surgeons (CNS)**

2005-present **American Academy of Neurological Surgeons (AANS)**

2012- present **Georgia Neurological Society (GNS)**