

# **THOMAS JOSEPH PUSCHAK, M.D.**

**Panorama Orthopedics and Spine Center, PC**

**660 Golden Ridge Road**

**Suite 250**

**Golden, CO 80401**

**Phone: (303) 233-1223**

**Fax: (303) 233-8755**

## **BOARD CERTIFICATION:**

Certifying Board	American Board of Orthopaedic Surgery
Certificate effective	7/12/01 through 12/31/2021

## **MEDICAL LICENSURE:**

Colorado	Active
Ohio	Active
Indiana	Active
Washington	Inactive
NBME Diplomate	

## **FELLOWSHIP:**

Adult Spinal Surgery  
University Hospitals of Cleveland (CWRU)  
MetroHealth Medical Center  
Wade Park VA Medical Center  
July 1, 1998 to June 30, 1999  
Fellowship Director: Henry H. Bohlman, M.D.

## **RESIDENCY:**

Orthopaedic Surgery  
Indiana University Medical Center  
July 1, 1993 to June 30, 1998  
Chairman: G. Paul DeRosa, M.D. 7/1/93 to 1/31/95  
Richard E. Lindseth, M.D. 2/1/95 to 6/30/98

## **MEDICAL EDUCATION:**

Indiana University School of Medicine  
August 1989 to May 1993  
Degree: Doctor of Medicine

## MEDICAL SCHOOL HONORS AND AWARDS:

Alpha Omega Alpha 1992  
E.B. Rinker Scholarship 1992  
Walther Cancer Institute Scholarship 1992  
Donald Macchia Pharmacology Award 1991

## UNDERGRADUATE EDUCATION:

Wabash College, Crawfordsville, Indiana  
August 1985 to May 1989  
Degree: Bachelor of Arts (*Magna Cum Laude*)  
Major: Chemistry      Minor: Russian  
GPA: 3.81/4.00

## UNDERGRADUATE HONORS AND AWARDS:

Dean's Academic List	1985-89
Wabash National Honor Scholar	1985-89
Phi Beta Kappa	1989
Phi Lambda Upsilon (Chemistry)	1989
Phi Sigma Iota (Foreign Language)	1988
Howell Organic Chemistry Award	1987
All America Track and Field	1988 (35 lbs wt. throw)
	1989 (Hammer Throw)
Most Improved Player (Track)	1988
Athletic Letters	1987-9
NCAA Div III National Champion	1989 (Hammer Throw)
School and NCAC Conference Record	Hammer Throw 198'4" 35 lbs. wt. throw 60'5"

## PEER REVIEWED PUBLICATIONS:

1. Anderson PA, Oza AL, **Puschak TJ**, Sasso RC. Biomechanics of Occipital Fixation. *Spine*, 31(7): 755 – 61, 2006.
2. **Puschak TJ**, Sasso RC. Use of Artificial Disc Replacement in Degenerative Conditions of the Cervical Spine. *Current Opinion in Orthopaedics*. 15:175 – 79, 2004.
3. **Puschak TJ**, Sasso RC. Fixation in the Occiput. *Contemporary Spine Surgery*. 5(5):35 – 42, 2004.
4. **Puschak TJ**, Sasso RC. Recommended Treatment Protocol in the Setting of a Septic Lumbar Disc Arthroplasty. *Seminars in Spine Surgery*, 16(3):195 – 197, 2004.

5. **Puschak TJ**, Anderson PA. Posterior C1-C2 Transarticular Screws. *Techniques in Orthopaedics*, 17(3):296 – 305, 2003.
6. **Puschak TJ**, Anderson PA. Pseudarthrosis Following Anterior Cervical Fusion: Treatment Options and Results. *Seminars in Spine Surgery*, 11(4):312 - 321, 1999.

#### **BOOK CHAPTERS:**

1. Anderson PA, Eck JC, **Puschak TJ**. Adjacent Segment Degeneration Following Fusion. In Vaccaro AR ed. *Spinal Arthroplasty – The Preservation of Motion*. New York: Elsevier, 2007: 83-94.
2. **Puschak TJ**, Anderson PA. C1-2 Transarticular Screw Insertion. In Bono CM, Vaccaro AR eds. *Minimally Invasive Spine Surgery*. New York: Taylor and Francis Group, 2007: 149-60.
3. **Puschak TJ**, Sasso RC Tally W, Patel D, Vaccaro AR. Endoscopic Posterior Foraminotomy. In Bono CM, Vaccaro AR eds. *Minimally Invasive Spine Surgery*. New York: Taylor and Francis Group, 2007: 65-72.
4. **Puschak TJ**, Sasso RC. Metastatic Spinal Tumors. In Vaccaro AR, Anderson DG eds. *Decision Making in Spinal Care*. New York, Thieme, 2007: 325-30.
5. **Puschak TJ**, Sasso RC. Nucleus Replacements. In Vaccaro AR, Anderson DG eds. *Decision Making in Spinal Care*. New York, Thieme, 2007: 421-6.
6. **Puschak TJ**, Sasso RC. Spondylolysis-listhesis. In Vaccaro AR ed. *Orthopaedic Knowledge Update 8*. Chicago: American Academy of Orthopaedic Surgeons, 2005: 553-63.
7. **Puschak TJ**, Sasso RC. Upper Cervical Spine Injury – Occiput to C2. In *Orthopaedic Knowledge Update Trauma 3*. Chicago: American Academy of Orthopaedic Surgeons, 2005: 293-304.
8. **Puschak TJ**, Sasso RC. Occipitocervical Vertex Fixation. In Kim DH, Vaccaro AR, Fessler RG, eds. *Spinal Instrumentation: Surgical Techniques*. New York: Thieme, 2005: 32-35.
9. **Puschak TJ**, Sasso RC. Vertex Reconstruction System – Posterior Cervical Spine. In Kim DH, Vaccaro AR, Fessler RG, eds. *Spinal Instrumentation: Surgical Techniques*. New York: Thieme, 2005: 321-3.
10. **Puschak TJ**, Sasso RC. Laminoplasty Techniques and Fixations. In Kim DH, Vaccaro AR, Fessler RG, eds. *Spinal Instrumentation: Surgical Techniques*. New York: Thieme, 2005: 362-6.
11. **Puschak TJ**, Rausching W, Taliwal R, Vaccaro AR. Relevant Surgical Anatomy of the Cervical, Thoracic, and Lumbar Spine. In Vaccaro AR, Betz RR, Zeidman SM, eds. *Principles and Practice of Spine Surgery*. Philadelphia: Harcourt Health Sciences Companies, 2002: 15-34.

12. **Puschak TJ**, Anderson PA. Occipito-Cervical Fusion. In Vaccaro AR ed. *Fractures of the Cervical, Thoracic and Lumbar Spine*. New York: Marcel Dekker, Inc, 2002: 315 - 324.
13. **Puschak TJ**, Anderson PA, Pelozo JH, Cole AJ. Surgical Options for Lumbar Spine Pain. In Cole AJ, Herring SA eds. *The Low Back Pain Handbook. A Practical Guide for the Primary Care Clinician*. Philadelphia: Hanley and Belfus, Inc., 2002:

#### **SCIENTIFIC PRESENTATIONS/POSTERS:**

1. Anderson PA, **Puschak TJ**. Measuring Cervical Arthroplasty Outcomes: Comparison of SF-36 Improvements in Cervical Disc Replacement, Cervical Fusion, TKA and THA.
  - a. 7<sup>th</sup> Annual Meeting Spinal Arthroplasty Society. Berlin, Germany. May 2007. Podium Presentation.
  - b. 23<sup>rd</sup> Annual Meeting of the European Section of The Cervical Spine Research Society. Leuven, Belgium. May 2007. Poster Presentation
  - c. 22<sup>nd</sup> Annual Meeting of the North American Spine Society. Austin, Texas. October 2007. Special Interest Paper Presentation
2. Sasso RC, Renkens K, **Puschak TJ**. Bryan Cervical Disc Replacement: Single Surgeon Experience from US IDE Study. Poster Presentation American Academy of Orthopaedic Surgeons 72<sup>nd</sup> Annual Meeting. Washington DC. February 2005.
3. Sasso RC, Renkens K, **Puschak TJ**. Clinical Experience with the Bryan Cervical Disc Replacement: Early IDE Study Results from The Indiana Spine Group, Inc. The Indiana Orthopaedic Society 48<sup>th</sup> Annual Conference. Fort Wayne, Indiana. April 2004.
4. **Puschak TJ**, Kling TF, Lindseth RE. Safety of Pedicle Screw Fixation in the Pediatric Spine. Mid-America Orthopaedic Association 16<sup>th</sup> Annual Meeting. Acapulco, Mexico. April 1998.
5. Kling TF, **Puschak TJ**, Montgomery SC, Lindseth RE. Isola Instrumentation in the Surgical Treatment of Adolescent Idiopathic Scoliosis. The Scoliosis Research Society 32<sup>nd</sup> Annual Meeting. St. Louis, Missouri. September 1997.
6. **Puschak TJ**, Mih A. Treatment of Distal Radioulnar Joint Degenerative Disease by Hemiresection Interposition Arthroplasty. American Society for Surgery of the Hand 50<sup>th</sup> Annual Meeting. San Francisco, California. September 1995.

#### **INVESTIGATOR FDA: IDE STUDIES**

1. A Prospective and Randomized Controlled Trial to Evaluate the Safety and Effectiveness of Total Facet Arthroplasty System (TFAS) in the Treatment of Degenerative Spinal Stenosis. **IDE Number G030100. IRB #SAH1119**. Initial IRB approval: 9/15/2005.

2. A Multi-Center, Prospective, Randomized, Controlled Clinical Trial Comparing the Safety and Effectiveness of the Mobi-C® Prosthesis to Conventional Anterior Cervical Discectomy and Fusion in the Treatment of Symptomatic Degenerative Disc Disease (DDD) in the Cervical Spine. **IDE Number G050212. IRB #SAH1122.** Initial IRB approval: 5/17/2006.
3. Pivotal IDE Study of the Bryan Cervical Disc Prosthesis in the Treatment of Degenerative Disc Disease. **IRB #R2002-060.**
4. Flexicore Intervertebral Disc for the Treatment of Discogenic Pain Unresponsive to Conservative Treatment Associated with Degenerative Disc Disease (DDD). **IRB #R2003-048**

### **INSTITUTIONAL IRB STUDIES**

1. Surgical Treatment of Acute Spinal Cord Injury Study (STASCIS). A Multicenter Prospective Study of Neurological Recovery as a Factor of Time to Decompression of Cervical Spinal Cord Injuries with Spinal Cord Compression. **IRB #SAH1136.** Initial IRB approval: 11/9/2006

### **INVITED LECTURES:**

1. What's New in Spine. Panorama Spring Ortho Day. Golden, CO. April 25, 2008.
2. Cervical Myelopathy and Radiculopathy. Denver Workers Compensation Nurse Case Manager Monthly Meeting. Golden, CO. June 15, 2007.
3. Evaluation and Management of Acute and Chronic Low Back Pain. PHP Family Physicians Roundtable Discussion. Denver, CO. May 16, 2007.
4. Management of Pyogenic Vertebral Osteomyelitis and Epidural Abscess. Panorama Spring Ortho Day. Westminster, CO. April 27, 2007.
5. The Aging Spine: Treatment Options. Managing Thoracolumbar Trauma, Degenerative Disease and Deformity. Musculoskeletal Education and Research Center. Vail, CO. January 27, 2007.
6. Degenerative Disease and Minimally Invasive Surgery – The Role for Decompression. Managing Thoracolumbar Trauma, Degenerative Disease and Deformity. Musculoskeletal Education and Research Center. Vail, CO. January 26, 2007.
7. Managing Thoracolumbar Trauma from an Anterior Approach. Managing Thoracolumbar Trauma, Degenerative Disease and Deformity. Musculoskeletal Education and Research Center. Vail, CO. January 25, 2007.
8. Rheumatoid Cervical Spine. University of Colorado Department of Orthopaedics Grand Rounds. Denver, CO. November 8, 2006.

9. Nucleus Replacements. 17<sup>th</sup> Annual Colorado Spine Symposium. Denver, CO. October 20, 2006.
10. Treatment of Common Lumbar Injuries in the Worker. Denver Workers Compensation Nurse Case Managers Monthly Meeting. Denver, CO. June 16, 2006.
11. Management of Spinal Infections. University of Colorado Department of Orthopaedics Grand Rounds. Denver, CO. April 12, 2006.
12. Cervical Spondylosis: Evaluation and Management – Past, Present and Future. Panorama Orthopedics and Spine Center Spring Ortho Day Seminar. Westminster, CO. April 7, 2006.
13. Management of Catastrophic Cervical Spine Injuries. 5<sup>th</sup> Annual Colorado Trauma Symposium. Westminster, CO. February 17, 2006.
14. Current Concepts in Artificial Cervical Disc Replacement. New West Physicians Annual Meeting. Lakewood, CO. January 25, 2006.
15. The Management of Cervical Spinal Injuries in the Skier. Winter Park Ski Patrol. Winter Park, CO. December 13, 2005.
16. The Etiology of Low Back Pain. Exercise and Wellness for a Lifetime Series: Physiotherapy Associates. Highlands Ranch, CO. November 16, 2005.
17. Biomechanics of Occipitocervical Fixation. 16th Annual Colorado Spine Symposium. Westminster, CO. November 4, 2005.
18. Management of Cervical Injuries in the Football Player. Panorama Sports Medicine High School Football Trainers Symposium. Golden, CO. October 10, 2005.
19. Spine Injuries. Primary Care Physicians Series II: Hands on Evaluation of Orthopaedic Injuries for the PCP. Littleton, CO. June 30, 2005.
20. Operative Management of Cervical Injuries in the Athlete. American College of Sports Medicine Annual Convention, Indianapolis, IN. June 5, 2004.
21. Evaluation and Management of Lumbar Disk Herniations and Lumbar Stenosis. Riverview Hospital Medical Grand Rounds, Noblesville, IN. May 11, 2004.
22. Back Pain and Surgical Interventions. AORN of Greater Indianapolis Symposium. Indianapolis, IN. September 13, 2003.
23. Surgical Options in the Lumbar Spine – A Surgeon’s Perspective in 2003. Community Hospital Occupational Health Physician’s Monthly Meeting. Indianapolis, IN. July 29, 2003
24. Cauda Equina Syndrome: Current Concepts in Diagnosis and Treatment. Multidisciplinary Spine Conference, MetroHealth Medical Center. Cleveland, OH, October 16, 1998.

25. Safety of Pedicle Screw Fixation in the Pediatric Spine. Garceau-Wray Lectureship 22<sup>nd</sup> Annual Meeting. Indianapolis, Indiana, October 17, 1997 (Best Resident Presentation Award).
26. Scheurmann's Kyphosis – Diagnosis, Management and Treatment Options. Indiana University Department of Orthopaedic Surgery Grand Rounds. November 19, 1996.
27. Pertinent Surgical Anatomy of the Cervical Spine. Indiana University Department of Orthopaedic Surgery Basic Science Conference. September 25, 1996.
28. Surgical Management of Atlantoaxial Instability. Indiana University Department of Orthopaedic Surgery Grand Rounds. March 28, 1996.
29. Diagnosis and Treatment of Spinal Deformity in Cerebral Palsy. Indiana University Department of Orthopaedic Surgery Grand Rounds. January 28, 1995.

#### **INSTRUCTIONAL COURSE - FACULTY**

1. MERC Advanced Spinal Techniques Course. Managing Thoracolumbar Trauma, Degenerative Disease and Deformity: Focus on Minimally Invasive Spine Surgery. Vail, CO. January 25-7, 2007.

#### **MULTICENTER STUDY GROUPS**

1. Cervical Study Group – Charter Member 2007

#### **PROFESSIONAL SOCIETIES:**

1. American Academy of Orthopaedic Surgeons – Active Fellow 2004
2. North American Spine Society – 2003 to present
3. American Medical Association – 1989-1993, 2003 to present
4. Colorado Orthopaedic Society – 2005 to present
5. Mid-American Orthopaedic Society – 2003 to present
6. Indiana State Medical Association – 2003-05
7. Indianapolis Medical Society – 2003-05
8. Indiana Orthopaedic Society – 2003-05
9. The Charles Herndon Society – 1999 to present

**EMPLOYMENT:**

- |   |                |
|---|----------------|
| 1. Panorama Orthopedics and Spine Center, Golden, CO<br>Private Orthopaedic Spine Surgeon | 2005 – present |
| 2. Indiana Spine Group, Inc., Indianapolis, IN<br>Private Orthopaedic Spine Surgeon       | 2002 – 2005    |
| 3. Orthopedics International, Ltd., Seattle, WA<br>Private Orthopaedic Spine Surgeon      | 1999-2002      |

**REFERENCES:** Provided upon request