

Thomas J. Altstadt, M.D.
University of Louisville
Department of Neurosurgery
220 Abraham Flexner Way, Suite 1500
Louisville, KY 40204

Education

Indiana University School of Medicine **Indianapolis, IN**
Fellowship in Complex Spine Surgery
Completed June 2008

Indiana University School of Medicine **Indianapolis, IN**
Resident in Neurological Surgery
July 2002- June 2008

Indiana University School of Medicine **Indianapolis, IN**
Internship in General Surgery
July 2001- June 2002

Indiana University School of Medicine **Indianapolis, IN**
Doctor of Medicine
May 2001

Indiana University, College of Arts and Sciences **Bloomington, IN**
Bachelor of Science with Departmental Honors in Biochemistry
December 1994

Marmion Military Academy **Aurora, IL**
Valedictorian
May 1991

Professional Experience

University Of Louisville, Department of Neurosurgery **Louisville, KY**
Assistant Professor
9/12-Present

Southern Oregon Neurosurgical and Spine Associates, PC **Medford, OR**
(formerly Medford Neurological and Spine Associates)
Partner
7/2008-9/2012

Research Experience

- 5/98-8/98 **Children's Hospital, Harvard Medical School** **Boston, MA**
Department of Urology, Laboratory for Tissue Engineering and Cellular Therapeutics, Anthony Atala MD, Director.
Research Assistant.
Project on novel matrix for cell delivery and tissue engineering.
- 2/95-7/97 **Bristol-Myers Squibb, PRI** **Wallingford, CT**
Assistant Research Scientist I/II. Taxol Analog Group.
Designed and synthesized novel analogs of Paclitaxel.
- 8/93-12/94 **Chemistry Department, Indiana University** **Bloomington, IN**
Undergraduate Research Assistant.
Synthesized intermediates towards the synthesis of the anti-tumor antibiotic Lankacidin C.

Honors

Eagle Scout, 1/91

Alpha Omega Alpha Honor Medical Society Member, 9/99
Inducted as a Junior

Selected to attend the American College of Surgeons' 86th Clinical Congress Medical Student Program, October 22-27, 2000.
For the most outstanding performance in the junior surgery clerkship.

Awards

Jose Biller Teaching Award, 6/08
For resident and medical student education

American College of Surgeons Award, 5/01
For outstanding scholastic achievement in Surgery.

Pittman Surgical Scholarship Award, 5/01
For academic and clinical excellence in Surgery.

Dr. E.B. Rinker Medical Scholarship, 7/00
For outstanding academic achievement.

Dr. E.B. Rinker Medical Scholarship, 7/99
For outstanding academic achievement.

Indiana University Honors Division Scholarship, 8/91-12/94

For outstanding academic achievement.

Publications

S.F. Davis, T. Altstadt, R. Flores, A. Kaye, and G. Oremus. Report of Seizure Following Intraoperative Monitoring of Transcranial Motor Evoked Potentials.

The Ochsner Journal. In Press.

Lastfogel, J.F., Altstadt TJ, R.B. Rodgers and E.M. Horn. Sacral Fractures Following Stand Alone L5-S1 ALIF for Isthmic Spondylolisthesis. *Journal of Neurosurgery Spine* 13(2):288-93, 2010 Aug.

Brennan, R.P., Altstadt TJ, R.B. Rodgers and E.M. Horn. Multi-level Corpectomies and Reconstruction via a Single Posterolateral Approach. *Journal of Clinical Neuroscience*, 17:1399-1404, 2010.

Altstadt TJ, Shah MV. Thoracic Myelopathy Secondary to a Spinal Dural Arteriovenous Fistula. *Seminars in Cerebrovascular Diseases and Stroke*, 3(1):61-4, 2003.

Altstadt TJ, Azzarelli B, Bevering CG, Edmondson J, Nelson PB. Acromegaly Caused by a GHRH-Secreting Carcinoid: Case Report. *Neurosurgery*, 50(6):1356-9; 2002 Jun.

Altstadt TJ, Fairchild CR, Golik J, Johnston KA, Kadow JF, Lee FY, Long BH, Rose WC, Vyas DM, Wong H, Wu MJ, Wittman MD. Synthesis and Antitumor Activity of Novel C-7 Paclitaxel Ethers: Discovery of BMS-184476. *Journal of Medicinal Chemistry*, 44(26): 4577-83, 2001 Dec 20.

Wittman MD, Altstadt TJ, Fairchild C, Hansel S, Johnston K, Kadow JF, Long BH, Rose WC, Vyas DM, Wu MJ, Zoekler ME. Synthesis of Metabolically Blocked Paclitaxel Analogues. *Bioorganic & Medicinal Chemistry Letters*, 11(6): 809-10, 2001 Mar 26.

Wittman MD, Altstadt TJ, Kadow JF, Vyas DM, Johnson K, Fairchild C, Long B. Stereospecific synthesis of 7-deoxy-6-hydroxy Paclitaxel. *Tetrahedron Letters*, 40(1999), 4943-6.

Altstadt TJ, Gao Q, Wittman MD, Kadow JF, Vyas DM. Crystallographic Determination of the Stereochemistry of C-6,7 Epoxy Paclitaxel. *Tetrahedron Letters*, 39(1998), 4965-6.

Book Chapters

“Modern Instrumentation in Craniovertebral Junction Surgery”. Altstadt TJ, O’Toole J, Eichholz KM, Fessler RG in Craniovertebral Junction Disorders: Current Management Concepts, Goel, A. (Ed) Medknow Publication Ltd. India. 2007

“Pediatric CNS Vascular Malformations”, Altstadt TJ, Shah MV in Vascular Diseases in Children and Young Adults, 2 ed. Biller J. Saunders, 2009.

“Some Recent Developments in the Synthesis and SAR of Novel Taxanes”, Kadow JF, Altstadt TJ, et al in Anticancer Agents Frontiers in Cancer Chemotherapy Edited by Iwao Ojima, Gregory D. Vite and Karl-Heinz Altmann. Oxford University Press, 2001.

U.S. Patents

U.S. Patent Number 5,773,461 June 30, 1998; “7-Deoxy-6-Substituted Paclitaxels”; Wittman MD, Altstadt TJ, Kadow JF, Kingston DGI, Liang X.

Presentations

Altstadt TJ, “Minimally Invasive Spinal Surgery: Current and Future Applications”; Neuroscience Grand Rounds, November 9, 2012, Louisville, KY.

Altstadt TJ, “Oral Board Case Review”; AANS Goodman Oral Board Review Course, November 2012, Houston, TX.

Altstadt TJ, “Minimally Invasive Spine Surgery”; Primary Care Conference, June 18, 2010, Brookings Harbor, OR.

Altstadt TJ, “Back and Leg Pain”; Primary Care Conference, June 18, 2010, Brookings Harbor, OR.

Altstadt TJ, “Cervical Spondylosis”; Primary Care Conference, June 18, 2010, Brookings Harbor, OR.

Altstadt TJ, “Cervical Spondylosis”; Providence Spine Conference, May 14, 2010, Medford, OR.

Altstadt TJ, Horner TG, Leipzig TJ, Payner T, Redelman K, “Treatment, Outcomes, and Complications in 618 Consecutively Treated Middle Cerebral Artery Aneurysms”; AANS/CNS Joint Cerebrovascular Section, February 2, 2005, New Orleans LA.

Altstadt TJ, "The History of Alpha Omega Alpha"; Alpha Omega Alpha Honor Medical Society Annual Banquet, March 27, 2001, Indianapolis, IN.

Altstadt TJ, Bevering CG, Nelson PB, Azzarelli B, "An Unusual Case of Acromegaly"; Neurosurgery Conference, September 2000, University of Washington Medical Center, Seattle, WA.

Altstadt TJ, Wittman MD, Kadow JF, Fairchild C, Long B, Rose WC, “Synthesis and Biological Evaluation of C-6, C-7 Modified Paclitaxel Analogs”; The Sixth Annual Scientific Poster Sessions, November 3, 1995, Princeton, NJ; Poster # 276.

Altstadt TJ, Wittman MD, Kadow JF, Hansel S, Zoeckler M, Pajor L, Fairchild C, Johnston K, Long B, Rose WC, Lee F, "Synthesis and Biological Activity of Novel Paclitaxel Analogs", Presented to the Seventh Annual Research Scientist Symposium, May 17, 1996, Wallingford, CT; #1.

Abstracts

"Failure of Stand Alone ALIF for L5/S1 Isthmic Spondylolisthesis"; Altstadt TJ, Rodgers RB, Horn EM; CNS, September 20-25, 2008, Orlando FL.

"Multilevel Corpectomy and Reconstruction via a Single Posterior Approach"; Altstadt TJ, Brennan RP, Rodgers RB, Horn EM; CNS, September 20-25, 2008, Orlando FL.

"Interhemispheric Transcallosal Subchoroidal Fornix Sparing Craniotomy for Total Resection of 57 Consecutive Colloid Cysts"; Shapiro SA, Altstadt TJ; AANS, April 14-19, 2007, Washington, DC.

"Craniotomy for Resection of Cerebral Metastatic Testicular Cancer"; Shapiro SA, Einhorn L, Rodgers RB, Jude J, Altstadt TJ; AANS, April 14-19, 2007, Washington, DC.

"A Randomized Trial of Instrumented Posterior Lumbar Interbody Fusion Using Machined Cortical Wedges/Local Bone with or without rhBMP2 in the Treatment of Degenerative Lumbar Spondylolisthesis with Stenosis"; Shapiro SA, Rodgers RB, Sloan RB, Altstadt TJ, Miller JC; CNS, October 8-13, 2005, Boston, MA.

"Phase I Trial of Oscillating Electrical Field Stimulation in Human Complete Spinal Cord Injury"; Shapiro SA, Borgens R, Pascuzzi R, Groff M, Altstadt TJ, Nelson P, Rodgers R; CNS, October 16-21, 2004, San Francisco, CA.

"Pituitary Hyperplasia and Acromegaly Secondary to a GHRH Secreting Carcinoid"; Bevering CG, III, Altstadt TJ, Nelson PB, Azarelli B; NSA, June 4-7, 2000, Durango, CO.

Board Certification and Licenses

American Board of Neurological Surgeons, 2011

State of Indiana

State of Oregon

Commonwealth of Kentucky

Professional Affiliations

University of Louisville Hospital

Baptist Hospital East

Jewish Hospital

Robley Rex VA Medical Center

Professional Memberships

American Association of Neurological Surgeons

Congress of Neurological Surgeons

Kentucky Neurosurgical Society