



HOWELL ALLEN CLINIC

Brian A. O'Shaughnessy, M.D.

Business Address:

Howell Allen Clinic
2011 Murphy Avenue Suite 301
Nashville, TN 37203

Personal Data:

October 16, 1975
New York, NY

Practice Affiliations:

Undergraduate Education:

University of Florida, Bachelor of Arts degree in Mathematics; Bachelor of Science degree in Theoretical Chemical Physics, Gainesville, FL (1998)

Medical Education:

University of Miami, Miller School of Medicine, Miami, FL (2002)

Internship:

Northwestern University, McGaw Medical Center, Department of Surgery, Chicago, IL (2003)

Residency:

Northwestern University, McGaw Medical Center, Neurosurgery; Intra-residency Fellowship: Complex and Reconstructive Spinal Surgery

Fellowship:

Washington University Medical Center, Adult and Pediatric Spinal Deformity Surgery, St. Louis, MO (2008-2009)

Licensure and Certification:

Board Eligible, American Board of Neurological Surgeons (2008)
Diplomate, National Board of Medical Examiners (2007)
State of Tennessee Medical License
State of Missouri Medical License

Medical Affiliations:

St. Thomas Hospital, Nashville, TN
Baptist Hospital, Nashville, TN
Skyline Medical Center, Nashville, TN
The Center for Spinal Surgery, Nashville, TN

Professional Affiliations:

Candidate Member, Scoliosis Research Society
Founding Member, Neurosurgery Spinal Deformity Focus Group
Member, Congress of Neurological Surgeons
Member, American Association of Neurological Surgeons

Employment:

Howell Allen Clinic (August 2009 – present)

Select Awards and Honors:

Finalist, Whitecloud Award for Best Clinical Paper, 15th annual International Meeting on Advanced Spine Techniques (IMAST), Hong Kong, China. (2008)

Finalist, Whitecloud Award for Best Clinical Paper, 14th annual International Meeting on Advanced Spine Techniques (IMAST), Bahamas. (2007)

Second author on the abstract that won the William H. Sweet Young Investigator Award, Joint Section on Pain, American Association of Neurological Surgeons/Congress of Neurological Surgeons. (2004)

Recognized by Alumni Relations and Graduate Medical Education at Northwestern University, Feinberg School of Medicine for excellence in teaching medical students. (2004)

Selected by the members of the University of Miami School of Medicine's Class of 2002 to be the Student Speaker at the annual medical school commencement ceremony. (2002)

Awarded graduation from the College of Liberal Arts and Sciences, University of Florida with *magna cum laude* distinction and induction into Phi Beta Kappa (ΦΒΚ) honor society. (1998)

Undergraduate Research Achievement Award, College of Liberal Arts and Sciences Undergraduate Research Symposium, University of Florida, Gainesville, FL. (1998)

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Peer-Reviewed Publications:

O'Shaughnessy BA, Salehi SA, Mindea SA, Batjer HH: Selective cerebral revascularization as an adjunct in the treatment of giant anterior circulation aneurysms. *Neurosurg Focus* 14(3):E4, 2003.

O'Shaughnessy BA, Getch CC, Bendok BR, Batjer HH: Surgical management of unruptured posterior carotid artery wall aneurysms. *Neurosurg Focus* 15(1):E9, 2003.

Mindea SA, Salehi SA, Ganju A, Rosner MK, O'Shaughnessy BA, Jorge A, Ondra SL: Lumbosacropelvic junction reconstruction resulting in early ambulation for patients with lumbosacral neoplasms or osteomyelitis. *Neurosurg Focus* 15(2):E6, 2003.

Getch CC, O'Shaughnessy BA, Bendok BR, Parkinson RJ, Batjer HH: Surgical management of intracranial aneurysms involving the posteroinferior cerebellar artery. *Contemp Neurosurg* 26(9):1-8, 2004.

Wang MY, O'Shaughnessy BA, Haq I, Green BA: Pain following spinal cord injury. *Semin Neurosurg* 15(1):99-105, 2004.

Bendok BR, Getch CC, Parkinson RJ, O'Shaughnessy BA, Batjer HH: Extended lateral transsylvian approach for basilar bifurcation aneurysms. *Neurosurgery* 55(1):174-178, 2004.

O'Shaughnessy BA, Salehi SA, Ali S, Liu JC: Anterior atlas fracture following suboccipital decompression for Chiari I malformation. Report of two cases. *J Neurosurg (Spine)* 11:137-140, 2004.

O'Shaughnessy BA, Getch CC, Bendok BR, Parkinson RJ, Batjer HH: Progressive growth of a giant dolichoectatic vertebrobasilar artery aneurysm after complete Hunterian occlusion of the posterior circulation: Case report. *Neurosurgery* 55(5):1228E-1235E, 2004.

Hsieh PC, Wienecke RJ, O'Shaughnessy BA, Koski TR, Ondra SL: Surgical strategies for vertebral osteomyelitis and epidural abscess. *Neurosurg Focus* 17(6):E4, 2004.

Parkinson RJ, Bendok BR, O'Shaughnessy BA, Shaibani A, Russell EJ, Getch CC, Awad IA, Batjer HH: Temporary and permanent occlusion of cervical and cerebral arteries. *Neurosurg Clin N Am* 16(2):249-256, 2005.

O'Shaughnessy BA, Getch CC, Bowman RM, Batjer HH: Ruptured traumatic vertebral artery pseudo aneurysm in a child treated with trapping and direct posteroinferior

cerebellar artery reimplantation. Case report and review of the literature. *J Neurosurg (Pediatrics)* 102:231-237, 2005.

O'Shaughnessy BA, DiPatri AJ Jr, Parkinson RJ, Batjer HH: Development of a de novo cerebral arteriovenous malformation in a child with sickle cell disease and moyamoya arteriopathy. Case report. *J Neurosurg (Pediatrics)* 102:238-243, 2005.

O'Shaughnessy BA, Getch CC, Bendok BR, Batjer HH: Late morphological progression of a dissecting basilar artery aneurysm following bilateral vertebral artery occlusion: Case report. *Surg Neurol* 63(3):236-243, 2005.

Ciric I, Zhao J, Rosenblatt S, Wiet R, O'Shaughnessy B: Suboccipital retrosigmoid approach for removal of vestibular schwannomas. Facial nerve function and hearing preservation. *Neurosurgery* 56(3):560-570, 2005.

O'Shaughnessy BA, Eddleman C, Bendok BR, Parkinson RJ, Awad IA, Batjer HH: Ruptured superior cerebellar artery aneurysm in a child with bilateral fibromuscular hyperplasia of the renal arteries. Case report and review of the literature. *J Neurosurg (Pediatrics)* 102:338-341, 2005.

Parkinson RJ, Bendok BR, O'Shaughnessy BA, Tella M, Ondra SL, Walker M, Adel JG, Liu JC: Percutaneous kyphoplasty. *Contemp Neurosurg* 27:1-7, 2005.

O'Shaughnessy BA, Getch CC, Bendok BR, Batjer HH: Microsurgical resection of infratentorial arteriovenous malformations. *Neurosurg Focus* 19(2):E5, 2005.

O'Shaughnessy BA, Bendok BR, Parkinson RJ, Shaibani A, Batjer HH: Transarterial coil embolization of a high-flow vertebrojugular fistula due to penetrating cervical trauma: Case report. *Surg Neurol* 64(4):335-340, 2005.

Getch CC, O'Shaughnessy BA, Bendok BR, Batjer HH: Surgical treatment of giant basilar artery aneurysms. *Operative Tech Neurosurg* 8(2):104-113, 2005.

O'Shaughnessy BA, Bendok BR, Parkinson RJ, Shaibani A, Walker MT, Shakir E, Batjer HH: Acquired Chiari malformation Type I associated with a supratentorial arteriovenous malformation. Case report and review of the literature. *J Neurosurg (Pediatrics)* 104:28-32, 2006.

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- O'Shaughnessy BA, Schafernak KT, DiPatri AJ Jr, Goldman S, Tomita T: A granulomatous reaction to Avitene mimicking recurrence of a medulloblastoma. Case Report. *J Neurosurg (Pediatrics 1)* 104:33-36, 2006.
- O'Shaughnessy BA, Ondra SL, Ganju A, Said HK, Few JW, Liu JC: Anterior thoracic spine reconstruction using a titanium mesh cage and pedicled rib flap. *Spine* 31:1820-1827, 2006.
- Hsieh PC, Ondra SL, Wienecke RJ, O'Shaughnessy BA, Koski TR: A novel approach to sagittal balance restoration following iatrogenic sacral fracture and resulting sacral kyphotic deformity. Technical note. *J Neurosurg (Spine)* 6:368-372, 2007.
- O'Shaughnessy BA, Ondra SL: Measuring, preserving, and restoring sagittal spinal balance. *Neurosurg Clin N Amer* 18(2):347-356, 2007.
- Muro K, O'Shaughnessy B, Ganju A: Infarction of the cervical spinal cord following multilevel transforaminal epidural steroid injection: case report and review of the literature. *J Spinal Cord Med* 30:385-388, 2007.
- Hsieh PC, Koski TR, O'Shaughnessy BA, Sugrue P, Salehi S, Ondra S, Liu JC: Anterior lumbar interbody fusion in comparison with transforaminal lumbar interbody fusion: implications for the restoration of foraminal height, local disc angle, lumbar lordosis, and sagittal balance. *J Neurosurg (Spine)* 7:379-386, 2007.
- O'Shaughnessy BA, Dumanian GA, Liu JC, Ganju A, Ondra SL: Pedicled omental flaps as an adjunct in the closure of complex spinal wounds. *Spine* 32(26):3074-3080, 2007.
- O'Shaughnessy BA, Koski TR, Ondra SL: Reversal of neurologic deterioration following vertebral column resection with spinal cord untethering and duraplasty. *Spine* 33(2);E50-E54, 2008.
- O'Shaughnessy BA, Kuklo TR, Ondra SL: Surgical treatment of vertebral osteomyelitis with recombinant human bone morphogenetic protein-2. *Spine* 33(5):E135-E139, 2008.
- O'Shaughnessy BA, Liu JC, Hsieh PC, Ganju A, Koski TR, Ondra SL: Surgical treatment of fixed cervical kyphosis with myelopathy. *Spine* 33(7):771-778, 2008.
- Hsieh PC, Koski TR, Sciubba DM, Moller DJ, O'Shaughnessy BA, Li KW, Gokaslan ZL, Ondra SL, Fessler RG, Liu JC: Maximizing the potential of minimally-invasive spine surgery in complex spinal disorders. *Neurosurg Focus* 25(2):E19, 2008.
- Sugrue PA, O'Shaughnessy BA, Nasr F, Koski TR, Ondra SL: Abdominal complications following kyphosis correction in ankylosing spondylitis. *J Neurosurg (Spine)* 10:154-159, 2009.
- Hsieh PC, Ondra SL, Grande AW, O'Shaughnessy BA, Bierbrauer K, Crone KR, Halpin, RJ, Suk I, Koski TR, Gokaslan ZL, Kuntz C: Posterior vertebral column subtraction osteotomy: a novel surgical approach for the treatment of multiple recurrences of tethered cord syndrome. *J Neurosurg (Spine)* 10:278-286, 2009.
- Kuklo TR, O'Shaughnessy BA: Bone grafting options in adult spinal deformity. Submitted to *Spine*, 2009.
- O'Shaughnessy BA, Kuklo TR, Yang BP, Koski TR, Ondra SL: Thoracic pedicle subtraction osteotomy for fixed sagittal spinal deformity: clinical and radiographic outcomes. Accepted in *Spine*, 2008; publication pending.
- O'Shaughnessy BA, Kuklo TR, Hsieh PC, Koski TR, Ondra SL: A comparison between thoracic pedicle subtraction osteotomy and posterior vertebral column resection for the treatment of fixed sagittal spinal deformity. Accepted in *Spine*, 2008; publication pending.
- Kuklo TR, Rosner MK, Ondra SL, O'Shaughnessy BA, McClendon J: Preoperative inferior vena cava filters for major spinal reconstruction in adults. Submitted to *Spine*, 2008.
- O'Shaughnessy BA, Ondra SL, Lenke LG: Posterior vertebral column resection for thoracic spinal deformity. Submitted to *Neurosurgery*, 2008.
- Sugrue PA, O'Shaughnessy BA, Lenke LG: Dramatic progression of thoracolumbar kyphosis in Scheuermann's disease following treatment of pectus excavatum. Manuscript in preparation for *Spine*, 2009.
- O'Shaughnessy BA, Bridwell KH, Lenke LG, Kuklo TR, Cho W, Chang MS, Auerbach JD, Crawford CH, Baldus C: Does a long fusion (T3-sacrum) portend a worse outcome than a short fusion (T10-sacrum) in primary adult scoliosis surgery? Manuscript in preparation for *Spine*, 2009.
- O'Shaughnessy BA, Lenke LG, Bridwell KH, Kuklo TR, Cho W, Chang MS, Auerbach JD, Crawford CH, Koester L: Should symptomatic iliac screws be electively removed in postoperative adult spinal deformity patients fused to the sacrum? Manuscript in preparation for *Spine*, 2009.

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O'Shaughnessy BA, Kuklo TR, Lenke LG, Chang MS, Auerbach JD, Crawford CH, Baldus C, Bridwell KH: Is there a difference in outcome between patients under and over age 60 who have long fusions to the sacrum for the primary treatment of adult scoliosis? Manuscript in preparation for *Spine*, 2009.

O'Shaughnessy BA, Acosta FL, Sugrue PA, McClendon J, Koski TR, Ondra SL: Which is a better ALIF graft at the base of a long fusion to the sacrum in patients over age 60: titanium mesh cage vs patellar allograft? Manuscript in preparation for *Spine*, 2009.

Monographs and Book Chapters:

O'Shaughnessy BA: Alternative ordering prescriptions for noncommuting quantum operators based on canonical coherent states. Thesis written in partial fulfillment of the requirements for graduation with *magna cum laude* distinction from the College of Liberal Arts and Sciences, University of Florida, 1998.

O'Shaughnessy BA, Getch CC, Batjer HH: Surgical management of a challenging giant paraclinoid aneurysm. In, Kobayashi S (ed): *Neurosurgery of Complex Vascular Lesions and Tumors*. New York:Thieme Medical Publishers, pp 11-17, 2005.

O'Shaughnessy BA, Parkinson RJ, Bendok BR, Getch CC, Batjer HH: Trends in neurovascular surgery. In, Lawton MT, Gress DR, Higashida RT (eds): *Controversies in Neurological Surgery: Neurovascular Diseases*. New York:Thieme Medical Publishers, pp 3-15, 2005.

Parkinson RJ, Bendok BR, O'Shaughnessy BA, Getch CC, Batjer HH: Cerebral aneurysms and vascular malformations. In, Noseworthy JH (ed): *Neurological Therapeutics: Principles and Practice, 2nd Edition*. London: Informa Healthcare, pp 566-583, 2006.

Ondra SL, O'Shaughnessy BA: Management of patients with osteoporotic fractures of the spine. In, Kim DH, Ludwig SC, Vaccaro AR, Chang JC (eds): *Atlas of Spine Trauma: Adult and Pediatric*. Burlington:Elsevier, pp 636-645, 2008.

Getch CG, Parkinson R, O'Shaughnessy BA, Bendok BR, Batjer HH: Pterional transsylvian and extended approaches for upper basilar aneurysms. In, MacDonald RL (ed): *Neurosurgical Operative Atlas: Vascular Neurosurgery, 2nd Edition*. New York:Thieme Medical Publishers, pp 50-53, 2008.

O'Shaughnessy BA, Ondra SL: Measuring, preserving, and restoring sagittal balance in reconstructive spine surgery. In, Resnick D, Haid R, Wang J (eds): *Surgical Management of Low Back Pain, 2nd Edition*. New York:Thieme Medical Publishers, pp 53-64, 2009.

Ondra SL, O'Shaughnessy BA: Posterior Smith-Petersen, pedicle subtraction, and vertebral column resection osteotomy techniques. In, Vaccaro AR, Albert TJ (eds): *Spine Surgery: Tricks of the Trade, 2nd Edition*. New York:Thieme Medical Publishers, pp 230-234, 2009.

O'Shaughnessy BA, Lenke LG: Thoracic pedicle screw placement. In, Berta SC, Levy ML (eds): *Neurosurgery Tricks of the Trade*. New York:Thieme Medical Publishers, 2009. In press.

O'Shaughnessy BA, Lenke LG: Posterior spinal deformity correction techniques. In, Bridwell KH (ed): *The Textbook of Operative Spine Surgery, 3rd Edition* Lippincott Williams & Wilkins, 2009. In press.

O'Shaughnessy BA, Buchowski JM, Bridwell KH: Pedicle subtraction procedures in complex spinal deformity. In, Bridwell KH (ed): *The Textbook of Operative Spine Surgery, 3rd Edition* Lippincott Williams & Wilkins, 2009.

O'Shaughnessy BA, Crawford CH III, Lehman RA, Kuklo TR: Revision cervical spine surgery. In, Bridwell KH (ed): *The Textbook of Operative Spine Surgery, 3rd Edition* Lippincott Williams & Wilkins, 2009. In press.

Crawford CH III, O'Shaughnessy BA, Kuklo TR: Pedicle screw and construct biomechanics. In, Bridwell KH (ed): *The Textbook of Operative Spine Surgery, 3rd Edition* Lippincott Williams & Wilkins, 2009. In press.

Powers AK, O'Shaughnessy BA, Lenke LG: Posterior thoracic osteotomy (vertebrectomy). In, *Advanced Reconstruction: Spine*. American Academy of Orthopaedic Surgeons (AAOS), 2009. In press.

O'Shaughnessy BA, Crawford CH III, Bridwell KH: Adult idiopathic and degenerative scoliosis. In, Devlin VJ (ed): *Spine Secrets, 2nd Edition*. Philadelphia:Elsevier, Inc., 2009. In press.

O'Shaughnessy BA, Crawford CH III, Bridwell KH: Surgical treatment of thoracic scoliosis. In, *Advanced Reconstruction: Spine*. American Academy of Orthopaedic Surgeons (AAOS), 2009. In press.

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Abstracts/Presentations/Posters at Scientific Meetings:

Getch CC, O'Shaughnessy BA, Bendok BR, Batjer HH: Failure of partial or complete Hunterian strategy for the treatment of giant fusiform vertebrobasilar artery aneurysms. Podium presentation at the 56th annual meeting of the Neurosurgical Society of America meeting, Sunriver Resort, OR. (June, 2003)

O'Shaughnessy BA, Getch CC, Bendok BR, Parkinson RJ, Batjer HH: Progressive enlargement of complex fusiform vertebrobasilar artery aneurysms following bilateral vertebral artery sacrifice. Poster presented at the 53rd annual meeting of the Congress of Neurological Surgeons, Denver, CO. (October, 2003)

Levy RM, O'Shaughnessy BA, Kepka A, Marymont M: Radiosurgical treatment of trigeminal neuralgia: a prospective trial of one versus two isocenter treatment plans. Podium presentation at the 72nd annual meeting of the American Association of Neurological Surgeons, Orlando, FL. (May, 2004)

Few JW, Ganju A, Liu JC, O'Shaughnessy B, Ondra SL, Said HK: Integrated titanium and vascular bone: a new approach for high risk thoracic spine reconstruction. Poster presented at the annual meeting of the American Society of Plastic Surgeons, Chicago, IL. (September, 2005)

O'Shaughnessy BA, Ganju A, Liu JC, Koski TR, Ondra SL: Surgical treatment of fixed sagittal cervical deformity. Podium presentation at the 13th International Meeting of Advanced Spine Techniques, Athens, Greece. (July, 2006)

O'Shaughnessy BA, Kuklo TR, Ondra SL: Surgical treatment of vertebral osteomyelitis using rhBMP-2. Podium presentation at the 13th International Meeting of Advanced Spine Techniques, Athens, Greece. (July, 2006)

O'Shaughnessy BA, Kuklo TR, Yang BP, Koski TR, Ondra SL: Thoracic pedicle subtraction osteotomy for fixed sagittal deformity: clinical and radiographic outcomes. Podium presentation at the 14th International Meeting of Advanced Spine Techniques, Paradise Island, Bahamas. (July, 2007)

O'Shaughnessy BA, Kuklo TR, Yang BP, Koski TR, Ondra SL: Thoracic pedicle subtraction osteotomy for fixed sagittal deformity: clinical and radiographic outcomes. E-poster #68 at 22nd annual meeting of the North American Spine Society, Austin, TX. (October, 2007)

Kuklo TR, Rosner M, Ondra SL, O'Shaughnessy BA, McClendon J: Preoperative inferior vena cava filters for major spinal reconstruction in adults. E-poster #269 at 15th International Meeting on Advanced Spine Techniques, Hong Kong, China. (July, 2008)

O'Shaughnessy BA, Kuklo TR, Hsieh PC, Ondra SL: A comparison between thoracic pedicle subtraction osteotomy and posterior vertebral column resection for the treatment of fixed sagittal deformity. Podium presentation at the 15th International Meeting of Advanced Spine Techniques, Hong Kong, China. (July, 2008)

O'Shaughnessy BA, Koski TR, Hsieh PC, Ondra SL: Incidence and causes of revision surgery following thoracolumbar fusion to the sacrum for kyphoscoliosis in patients greater than 60 years old. Podium presentation at the 15th International Meeting of Advanced Spine Techniques, Hong Kong, China. (July, 2008)

Koski TR, Nasr F, O'Shaughnessy BA, Ondra SL: Analysis of global sagittal balance using cranial center of mass as a reference point. Podium presentation at the 15th International Meeting of Advanced Spine Techniques, Hong Kong, China. (July, 2008)

Kuklo TR, Rosner MK, Ondra SL, O'Shaughnessy BA, McClendon J: Preoperative inferior vena cava filters for major spinal reconstruction in adults. E-poster #48 at the 43rd annual meeting of the Scoliosis Research Society, Salt Lake City, UT. (September, 2008)

O'Shaughnessy BA, Acosta FL, Sugrue PA, McClendon J, Koski TR, Ondra SL: Which is a better ALIF graft at the base of a long fusion to the sacrum in patients over age 60: titanium mesh cage vs patellar allograft? Podium presentation at the 16th International Meeting of Advanced Spine Techniques, Vienna, Austria. (July, 2009)

Sugrue PA, O'Shaughnessy BA, Liu JC, Ondra SL, Koski TR: Occipital-cervical fusion using occipital hook fixation in spinal reconstruction: a technical and biomechanical analysis. E-poster at the 16th International Meeting of Advanced Spine Techniques, Vienna, Austria. (July, 2009).

Kuklo TR, O'Shaughnessy BA, Nabb C, Scott MT, Lenke LG: Can minimally invasive surgery obtain similar clinical and radiographic outcomes as an open technique for TLIFs? E-Poster presentation at the 16th International Meeting of Advanced Spine Techniques, Vienna, Austria. (July, 2009)

O'Shaughnessy BA, Bridwell KH, Lenke LG, Kuklo TR, Cho W, Chang MS, Auerbach JD, Crawford CH, Baldus C: Does a long fusion (T3-sacrum) portend a worse outcome than a short fusion (T10-sacrum) in primary adult scoliosis surgery? Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

O'Shaughnessy BA, Lenke LG, Bridwell KH, Kuklo TR, Cho W, Chang MS, Auerbach JD, Crawford CH, Koester L: Should symptomatic iliac screws be electively removed in postoperative adult spinal deformity patients fused to the sacrum? Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

O'Shaughnessy BA, Kuklo TR, Lenke LG, Chang MS, Auerbach JD, Crawford CH, Baldus C, Bridwell KH: Is there a difference in outcome between patients under and over age 60 who have long fusions to the sacrum for the primary treatment of adult scoliosis? Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

O'Leary PT, O'Shaughnessy BA, Lenke LG, Sides B, Kuklo TR, Buchowski JM, Bridwell KH: TLIF vs ALIF: A matched cohort analysis of caudal interbody grafting strategies in adult spinal deformity. Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

Chang MS, Bridwell KH, Lenke LG, Cho W, Baldus Auerbach JD, Crawford CH, O'Shaughnessy BA: Predicting the outcome of selective thoracic fusion in false double major lumbar "C" cases with 5 to 15 year follow-up. Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

Auerbach JD, Bridwell KH, Lenke LG, McKeon K, Zebala LP, Milby AH, Crawford CH, O'Shaughnessy BA, Chang MS, Baldus C: Major complications in primary adult deformity surgery: risk factors and clinical outcomes at one institution with 2-6 year follow-up. Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

Crawford CH, Bridwell KH, Cho W, Buchowski JM, O'Shaughnessy BA, Chang MS, Auerbach JD: Extension of prior idiopathic scoliosis fusions to the sacrum: a matched cohort analysis of 65 patients with minimum 2-year follow-up. Can BMP improve outcomes? Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

Auerbach JD, Lenke LG, Bridwell KH, Sehn JK, Milby AH, Bumpass D, Crawford CH, O'Shaughnessy BA, Chang MS, Zebala LP, Sides B: Major complications of 3-column osteotomies in 240 consecutive spinal deformity patients. Podium presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

Acosta F, O'Shaughnessy BA, Koller H, Neal CJ, Meier O, Ames CP, Koski TR, Ondra SL: Factors predictive of perioperative morbidity and mortality after spinal deformity surgery in patients 75 years and older. Poster presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

O'Shaughnessy BA, Acosta FL, Sugrue PA, McClendon J, Koski TR, Ondra SL: Which is a better ALIF graft at the base of a long fusion to the sacrum in patients over age 60: titanium mesh cage vs patellar allograft? Poster presentation at 44th annual meeting of the Scoliosis Research Society, San Antonio, TX. (September, 2009)

Auerbach JD, Sehn JK, Cho W, Milby AH, Crawford CH III, O'Shaughnessy BA, Chang MS, Riew KD, Kuklo TR: Crossing the cervicothoracic junction in multilevel posterior cervical fusions reduces the rate of symptomatic adjacent segment breakdown. Cervical Spine Research Society, 2009 (submitted).

Riew KD, Crawford CH III, O'Shaughnessy BA, Chang MS, Milam A, Auerbach JD: A "joystick" technique to aid in odontoid resection for basilar invagination. Cervical Spine Research Society, 2009 (submitted).

Invited Lectures and Presentations:

O'Shaughnessy BA: Pediatric head trauma. Seminar at Children's Memorial Hospital, Chicago, IL. (May, 2004)

O'Shaughnessy BA: Reconstruction techniques in the cervical spine. Academic Day, Department of Neurological Surgery, Northwestern University, Evanston Hospital, IL. (May, 2007)

O'Shaughnessy BA: Adult spinal deformity: State-of-the-art techniques and evolving strategies. Commencement events for the Department of Neurological Surgery, Northwestern University, Chicago, IL. (June, 2008)

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O'Shaughnessy BA: A comparison between thoracic pedicle subtraction osteotomy and posterior vertebral column resection for the treatment of fixed sagittal spinal deformity. Spine Fellows Reunion, Department of Orthopaedic Surgery, Washington University, Beaver Creek, CO. (August, 2008)

O'Shaughnessy BA: Adult spinal deformity: State-of-the-art techniques and current strategies. Grand Rounds, Department of Orthopaedic Surgery, Washington University, St. Louis, MO. (March, 2009)