

Khalid M. Abbed, MD

Curriculum Vitae

Personal Information:

Citizenship: USA
Medical License: Connecticut- 045775 (active)

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Education:

Illinois State Scholar, 1989
B.S. Biology, University of Illinois, 1993 (graduated with high honors)
M.D. University of Illinois College of Medicine, 1999 (graduated 1st in class; early induction into Alpha Omega Alpha Honorary Society, 1998)

Professional Positions:

7/1999-6/2000 Intern, General Surgery, Massachusetts General Hospital, Boston, MA
7/2000-6/2005 Resident, Neurosurgery, Massachusetts General Hospital, Boston, MA
6/2005-12/2005 Chief Resident, Neurosurgery, Massachusetts General Hospital, Boston, MA
12/2005-7/2006 Staff Neurosurgeon, Massachusetts General Hospital
Director, Neurosurgical Cranial and Spine Trauma Service
8/2006-7/2007 Neurosurgical and Orthopedic Spine Surgery Fellow, Cleveland Clinic, Cleveland, OH
8/2007-present Staff Neurosurgeon, Yale-New Haven Hospital, New Haven, CT
Assistant Professor, Neurosurgery, Yale School of Medicine
Chief, Yale Spine Institute
Director, Minimally Invasive Spine Surgery
Director, Spine Tumor Surgery
Course Director, Neuroscience Grand Rounds
8/2007-present Staff Neurosurgeon, Greenwich Neurosurgery, Greenwich, CT

Board Certification:

American Board of Neurological Surgeons, Board Certified May 2012

Research:

- 2008-present American Association of Neurological Surgeons- Congress of Neurological Surgeons Spine Section
Clinical Trials Award Abbed (PI) (\$25,000)
Transforaminal lumbar interbody fusion (TLIF) versus a conventional open approach. This is a prospective, non-randomized, multi-center research trial to evaluate the safety and effectiveness of a one level minimally invasive TLIF versus a conventional open approach for patients with low-grade lumbar degenerative spondylolisthesis.
Role: PI
- 2007-2008 UL 1 RR024146 YCCI Junior Faculty Pilot Award Ghogawala (PI)
NIH Clinical and Translational Science Award (\$ 25,000)
Ventral versus dorsal surgery for cervical spondylotic myelopathy (CSM).
Prospective, non- randomized, multi-center trial to compare health-related quality of life and disease-specific outcome comparing front versus back surgical approaches for patients with multi-level cervical spondylotic myelopathy.
Role: Co-Investigator
- 2002-2006 Harvard Medical School, Massachusetts General Hospital
Molecular Neuro-Oncology/Gene Therapy laboratory
Department of Neurosurgery
Ennio A. Chiocca, M.D., Ph.D.
- Investigated the molecular mechanisms through which mutant viruses interact and destroy tumor cells, in the brain and other organs.
- 1991-1993 University of Illinois at Champaign-Urbana
Department of Cell and Structural Biology
Patricia O'Morchoe, M.D.
- Investigated how lipid level and type alter Stearoyl Coa Desaturase mRNA abundance differently in mice with distinct susceptibilities to diet influenced diseases.
- 1989-1991 University of Illinois at Champaign-Urbana
Department of Cell and Structural Biology
Patricia O'Morchoe, M.D.
- Investigated the anatomy and physiology of the lymphatic system.

Lectures/Courses:

- 2012 Foundations in Minimally Invasive Spine Surgery, Chairman- NV
- 2012 Pre-fellows Spine Bio Skills Workshop, Faculty- MA
- 2012 Minimally Invasive Spine Surgery Principles, Faculty- MA

2012	Fundamental Principles and Techniques in Spine Surgery, Faculty- NJ
2011	National Lumbar Degenerative Stenosis and Deformity Educational Program, Faculty, NY
2011	Foundations in Minimally Invasive Surgery, Chairman- MA
2011	Fundamental Principles and Techniques in Spine Surgery, Faculty- NJ
2011	Minimally Invasive Spine Surgery Techniques, Residents Training, Chairman- CT
2011	Senior resident Bio Skills spine workshop, Faculty- MA
2010	Fundamental Principles and Techniques in Spine Surgery, Faculty- NJ
2010	Minimally Invasive Lumbar Fusion Technique Training, Faculty- MN
2009	National Neurosurgical and Orthopedic Resident Fundamentals Course, Faculty- NY
2009	Minimally Invasive Spine Surgery Training, Faculty- TN
2009	PEEK Rod Regional Meeting, Visiting Professor- VA
2007	Center for Stem Cell and Regenerative Medicine- Cleveland Clinic. Grand Rounds: "Spinal Cord Injury: An Ailment Not to Be Cured?"
2007	Cleveland Spine Review 2007. Lab Staff
2003	Harvard Medical School & MIT – HST Program Neurobiology laboratory instructor
1998-1999	University of Illinois College of Medicine Teaching assistant and tutor for Introduction to Clinical Medicine
1991-1993	University of Illinois at Champaign-Urbana College academic tutor for Biology and Anatomy

Professional Organizations

2010-present	Society for Minimally Invasive Spine Surgery (SMISS)
2006-present	North American Spine Society (NASS)
2000-present	American Association of Neurological Surgeons (AANS)
2000-present	AANS Spine and Peripheral Nerve Section
2000-present	AANS Tumor Section
2000-present	Congress of Neurological Surgeons (CNS)
2000-present	New England Neurosurgical Society

BIBLIOGRAPHY:

1. **Abbed KM**, Ogilvy CS. Intracerebral hematoma from aneurysm rupture. *Neurosurg Focus*. 2003 Oct 15;15(4)
2. Chiocca EA, **Abbed, KM**, Tatter S, et al. A phase I open-label, dose-escalation, multi-institutional trial of injection with an E1B-Attenuated adenovirus, ONYX-015, into the peritumoral region of recurrent malignant gliomas, in the adjuvant setting. *Mol Ther*. 2004 Nov;10(5): pp 958-66
3. **Abbed KM**, Borges LF. Gliomas of the Spine in Black PM, Loeffler JS (eds): *Cancer of the Nervous System*. Lippincott Williams and Wilkins, 2005, pp 605-614
4. **Abbed KM**, Chiocca EA. Surgical Management of Cerebellar Astrocytomas in Schmidek and Sweets (eds): *Operative Neurosurgical Techniques, ed 5*. Thieme. 2005
5. **Abbed KM**, Coumans JV. Cervical Radiculopathy: Pathophysiology, Presentation, and Clinical Evaluation. *Neurosurgery*. 2007 Jan; 60(1 Supplement): pp 28-34
6. **Abbed KM**, Lieberman IH. Medical and Surgical Treatment of Cervical Radiculopathy: Pathoanatomy, Workup , and When to Refer. *Cleveland Clinic Journal of Medicine*. 2008
7. Farooq MU, **Abbed KM**, Fletcher JJ. Decompressive hemicraniectomy in a 19 month old female after malignant cerebral infarction. *Pediatric Neurosurgery* 2009;45(2):146-50
8. King JT Jr, **Abbed KM**, Gould GC, Benzel EC, Ghogawala Z. Cervical spine reoperation rates and hospital resource utilization after initial surgery for degenerative cervical spine disease in 12,338 patients in Washington state. *Neurosurgery*. 2009 Dec;65(6);1011-22: discussion 1022-3
9. Amankulor N, Gould G, **Abbed KM**. Occipital-Cervical and Upper Cervical Spine Fractures: *The Comprehensive Treatment of the Aging Spine*. Yue J, Guyer R, Johnson JP, Khoo LT, Hochshuler S. Elsevier 2010
10. Englot DJ, Laurans MS, **Abbed KM**, Bulsara KR. Removal of nail penetrating the basilar artery. *Neurosurgery Review*. 2010 October;33(4); 501-4
11. Ghogawala Z, Martin B, Benzel EC, Dziura J, Magge SN, **Abbed KM**, Bisson EF, Shahid J, Coumans JV, Choudri TF, Steinmetz MP, Krishnaney AA, King JT Jr, Butler WE, Barker FG 2nd, Heary RF. Comparative Effectiveness of ventral versus dorsal surgery for cervical spondylotic myelopathy. *Neurosurgery* 2011 Mar;68(3):622-30; discussion 630-1
12. Fu M, Omay SB, Morgan J, Kelley B, **Abbed KM**, Bulsara KR. Primary central nervous system vasculitis presenting as spinal subdural hematoma. *World Neurosurgery*. 2012 July; 78 (1-2);192
13. Kelley BJ, Johnson MH, Vortmeyer AO, Smith BG, **Abbed KM**. Two-level pedicle subtraction osteotomy for progressive post-laminectomy kyphotic deformity following resection of an unusual thoracolumbar intradural extramedullary tumor. *Journal Neurosurgery Pediatrics*. 2012 Aug 3

14. Hoh DJ, **Abbed KM**, Ghogawala Z. Meaningful Retrospective Analysis- Retrospective Clinical Studies. Benzel EC. *Spine Surgery: Techniques, Complication Avoidance and Management*. Elsevier 2012

15. **Abbed KM**, Davis KA. Spinal Column and Spinal Cord Injury. Britt LD. *Acute Care Surgery*. Wolters-Kluwer 2012