Curriculum Vitae

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Place of Birth: **Champagne, Illinois**

Education

1993	BA (cum laude)	American History	Princeton University
1997	MD	Doctorate of Medicine	University of Pennsylvania
2002	MS	Clinical Epidemiology and Biostatistics	University of Pennsylvania

Postdoctoral Training

1997-1998	Intern	General Surgical Internship	University of Pennsylvania
1998-2003	Resident	Orthopedics	University of Pennsylvania
2003-2004	Fellow	Reconstructive & Traumatic Spine Surgery	Case Western Reserve University Hospitals

Faculty Academic Appointments

2006-	Instructor	Orthopedic Surgery	Harvard Medical School

Appointments at Hospitals/Affiliated Institutions

2004-2006	Faculty	Orthopedic Surgery	Albany Medical Center Capital Region Orthopaedic Group
2006-	Faculty	Orthopedic Surgery	Beth Israel Deaconess Medical Center
2007-	Faculty	Orthopedic Surgery	Beth Israel Needham Hospital

Other Professional Positions

2006-2010	Consultant	Globus Medical: Minimally Invasive Study Group (Industry)

Major Administrative Leadership Positions

Local

2002-2003	Administrative Chief Resident	University of Pennsylvania Department of Orthopedics (Elected by faculty and peers)
2007-	Director; Annual Augustus White MD PhD Spine Symposium	Beth Israel Deaconess Medical Center
2007-	Chief of Orthopedic Spine Service	Beth Israel Deaconess Medical Center
2007-	Fellowship Director (ACGME Accredited)	Spine Fellowship Beth Israel Deaconess Medical Center
2007-	Co-Director – The Spine Center @BIDMC	Beth Israel Deaconess Medical Center
2010-	Co-Director- The Spine Center @ BIN	Beth Israel Needham Hospital
2010-	Physician Leader / Seminar Director Responsible for development, deployment, and improvement of Spine curriculum for didactic series.	Harvard Combined Orthopedic Residency Program "Combined Orthopedic Residency Education"

Regional

National and International

Committee Service

Local

1993-2008	Research Committee	University of Pennsylvania Department of Orthopedics Member
1999-2000	University of Pennsylania Orthopaedic Journal	University of Pennyslvania Advertising Editor
2002-2003	Housestaff Committee & Work Hours Subcommittee	University of Pennsylvania Member
2001-2003	Residency Selection Committee	University of Pennsylvania Department of Orthopedics Member
2002-2003	Residency Education Committee	University of Pennsylvania Department of Orthopedics Resident Chair
2007-2010	Graduate Medical Education Committee	Beth Israel Deaconess Medical Center Orthopedic Department Representative

2007-2009	Harvard Medical Faculty Physicians Compliance Oversight Committee	Harvard Medical Faculty Physicians Member
2007-	Operative Room Steering Committee	Beth Israel Deaconess Medical Center Physician Leader

Regional

National and International

Professional Societies

2003-	North American Spine Society	Member
2008-	American Academy of Orthopaedic Surgeons	Fellow
2010-	Massachusetts Orthopaedic Association, Inc	Member

Grant Review Activities

Editorial Activities

Ad hoc reviewer

- *Spine*
- *Clinical Orthopaedics and Related Research*

Other Editorial Roles

Honors and Prizes

1993	William Winton Roper Trophy '02	Princeton University	Awarded annually to a Princeton senior of high scholastic rank, outstanding qualities of sportsmanship and general proficiency in athletics
1997	William G. Munns Memorial Prize	University of Pennsylvania School of Medicine	Academic excellence with an interest in orthopaedic surgery.
2003	Deforest Willard Award	University of Pennsylvania Department of Orthopedics	Awarded by the faculty to a senior resident or residents of outstanding performance.

2004	Marshall B. Urist Young Investigator Award	Association of Bone and Joint Surgeons	For manuscript "Delays until Surgery after hip fracture increase mortality."
2009	Selected Participant	Harvard Medical School	Leadership Development for Physicians and Scientists
2010	Selected Participant	Beth Israel Deaconess Medical Center and the College of Management and GBMP, Inc at the University of Massachusetts	Lean Study Group (Executive and Chief)
2010	Selected Participant	Harvard Business School	Consumer Driven Health Care. Seminar. Professor Herzinlger.

Report of Funded and Unfunded Projects

Funding Information

Past

1999-2000 Curriculum Training Grant
NIH
Tuition Support for Masters of Science Clinical Epidemiology and Biostatistics
University of Pennsylvania School of Medicine

2001-2002 "Comparing Cost and Outcome Between Teaching and Non-Teaching Hospitals for Orthopaedic Procedures"
Orthopedic Research Education Foundation: Resident Award
PI (15,000)
The major goal of this study was to examine the cost effectiveness of academic versus non academic institutions for hip fractures based on Medicare data.

2002-2003 Journal of Bone and Joint Surgery Resident Journal Club Program
OREF
PI
The major goal of this program was to enhance resident run orthopedic journal clubs. Through this program the journal clubs were formalized to utilized evidence based medicine to discuss specific clinical questions.

2008-2010 "A multi-center, prospective randomized controlled trial comparing cervical arthroplasty to ACDF for the treatment of cervical DDD."
Depuy
Site PI
IDE study; IRB 2008P-000213

Current

2009- Utilization of BMP-2 in Spinal Surgery
Harvard Catalyst Grant
CoInvestigator (50,000)
The major goal of this research is study the utilization (rate and type of procedure) of

BMP-2 in spine surgery.

2010-2011 Graduate Medical Education Grant
OREF Fellowship Grant in Spine
PI (69,500)
The grant supports the educational activities of the ACGME accredited spine fellowship at Beth Israel Deaconess Medical Center.

Current Unfunded Projects

2008- "Defining avoidable and unavoidable complications in spine surgery."
PI
IRB 2009P-000067 (Exempt)
The purpose of the project is to define avoidable and unavoidable complications in spine surgery through survey based short vignettes. Abstract presented.

2009- "Short (2 weeks) versus Long (6 weeks) post operative restrictions following lumbar discectomy: A prospective randomized control study."
Investigator
IRB 2009P-000133
The purpose of the study is to evaluate a clinical difference between the post operative protocols in terms of recurrent disc herniations.

2009- "Relationship Between Pre-Operative Expectations and Post-Operative Outcomes and Satisfaction in Lumbar and Cervical Spine Surgery : a Multi-Center Retrospective Review of Prospective Data"
Principal Investigator / Mentor
IRB Harvard School of Public Health IRB Protocol # 18444-101:
I am the principal investigator and supervise a Harvard School of Public Health Masters Candidate for this study. This project serves as her thesis project necessary for graduation. I developed the objectives, methodology, and supervised the statistical analysis. Abstract and Manuscript submitted.

2009- "Geographic Rates and Variation in the Surgical Treatment of Degenerative Cervical Disc Disease American Board of Orthopedic Surgery (ABOS) A Quality Improvement Initiative; Part II Candidates"
Principal Investigator (Sponsor: Jim Weinstein DO)
This study was performed in conjunction with the ABOS who funded the study. The goal was to determine practice patterns in terms of rates and the variation in the types of procedures performed over time in ABOS candidates. This study serves as pilot data for a planned RO1 Grant with Jim Weinstein DO on the operative versus nonoperative care of cervical radiculopathy. Abstract presented. Manuscript submitted.

2009- "Mortality in Elderly Patients with Hyperostotic Disease of the Cervical Spine Following Fracture: An Age- and Sex-Matched Study."
Investigator
The goal of this study was to examine the morbidity – specifically the mortality – in patients with cervical fractures with underlying AS or DISH compared to controls. Manuscript in submitted.

2010- "Retrospective review of clinically significant vertebral artery injuries identified by CTA."
Investigator
IRB 2010P000011
The purpose of the study is to evaluate the current standard of care of obtaining a CTA in patient with cervical injuries and determine in what case clinical management was changed

based on the findings of the CTA.

Report of Local Teaching and Training

Teaching of Students in Courses

2007, 2008, 2009, 2010	HMS Human Systems/PDIII Orthopaedics: Anatomy of the Back 2nd year medical students	HMS Lecturer: 35 min lecture
2007, 2008, 2009, 2010	HMS Human Systems/PDIII Orthopaedics: Physical Examination 2nd year medical students	HMS Small group leader: 2 hrs
2006, 2007, 2008, 2009	Clinical Application of Anatomy "Clinical Anatomy of the Spine" ~4th year medical students	HMS Lecturer: 1 hr lecture
2009-2010	Precision Design Course Development of Endoscopic Interbody Fusion Device. Graduate and Undergraduate students	MIT Lecturer: 2 x 1hr lectures Every other week 1 hour meetings. Adviser to 5 MIT students.
2007	Patient Doctor II: Low Back Exam 2nd year Medical Students	HMS Examiner
2008	Clinical Radiology of the Musculoskeletal Systems Medical students	HMS Lecturer: 4 hrs (morning session)
2010	MIT "Tiger Teams" Process and Systems Flow in Health Care MBA MSc Graduate Students	MIT Physician Project Leader ~Every other week meeting / email / presentations. Approx 12 hrs total.

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2005, 2006	Evidence Based Spine Curriculum Orthopedic Residents 2 month rotation / curriculum	Albany Medical Center Formal / Informal 1hr weekly.
2009	Orthopedic Cadaver Dissections Combined Orthopedic Residency Program	Harvard Combined Orthopedic Residency Program Preceptor: 4 hrs
2006-2009	CORE Curriculum Orthopedic Residents	Harvard Combined Orthopedic Residency Program 4hrs 3x/year. Lecturer / Informal discussion
2006-	Evidence Based Indication Spine Indication Conference Orthopedic Residents / Fellow	BIDMC 1hr 2x / month Lecture / Case Presentation / Informal discussions.
2006	Combined Spine Journal Club Orthopedic Residents / Fellow	BIDMC 3hr / month

Clinical Supervisory and Training Responsibilities

2006-	Ambulatory Orthopedic Surgery Clinical Preceptor 3rd year medical students surgical rotation	HMS 4 hrs / approx. every other week.
2008	Spine Center @ BIDMC Preceptor Medical Residents at BIDMC	BIDMC 4 hrs / approx. every other week.

Laboratory and Other Research Supervisory and Training Responsibilities

Formally Supervised Trainees

2008-2009	Jay Zampini MD / Assistant Professor and Associate Program Director of Drexel's Orthopaedic Surgery Residency Training Program Drexel University College Of Medicine. Three national presentations; one book chapter, and three published papers.
2009-2010	Umesh Metkar MD MS / Fellow at Syracuse. 2 national presentations.
2009-2010	Alex Soroceanu MD CM / MPH Candidate, Harvard School of Public Health PGY-3, Orthopaedic Surgery, Dalhousie University, Halifax(NS). Successful completion of master's thesis. 2 manuscripts.

Formal Teaching of Peers (e.g., CME and other continuing education courses)

2007	Augustus White MD PhD Annual Symposium "Back Pain; Defining the Pain Generator" Beth Israel Deaconess Medical Center, Boston, MA	Director 4hr Seminar
2008	Augustus White MD PhD Annual Symposium "Health CareUtilization" Beth Israel Deaconess Medical Center, Boston, MA	Director 4hr Seminar
2009	Augustus White MD PhD Annual Symposium "Perspectives on Health Care Reform" Beth Israel Deaconess Medical Center, Boston, MA	Director 4hr Seminar
2008	Case Presentation M&M: Low Back Indication for Surgical Intervention. Pri Med, Harvard Medical School	Single Presentation Boston
2009	Adult Degenerative Spine Workshop Operative Room Nurses; Beth Israel Deaconess Medical Center	1 hr Lecture 4 hr Workshop Boston

Local Invited Presentations

Those presentation below sponsored by outside entities are so noted and the sponsor is identified.

2003	"Thoraco Lumbar Trauma: Classification and Treatment." / Grand Rounds. MetroHealth System, Cleveland, OH.
2005	"Cervical Disc Disease." / Grand Rounds St.Peter's Hospital Medical, Albany, NY

2007 "The Geriatric Spine: Lumbar Stenosis and Vertebral Augmentation."
Hebrew Rehabilitation Center. Boston, MA.

2007 "Lumbar Disc Herniations SPORT Trial, and New Techniques." / Grand Rounds
Beth Israel Needham, Boston, MA

2008 "Balloon-assisted vertebral augmentation for vertebral compression fracture:
an epidemiologic study" Resident Research Day

2008 "Minimally Invasive Lumbar Spine Surgery" Grand Rounds
University of Massachusetts Memorial Hospital, Worcester, MA

2009 "Treatment of Cervical Disc Disease: The Old and the New." / Grand Rounds
Merrimack Valley Hospital System, Haverhill, MA. (CME)

2009 "Defining Avoidable Complications"
Resident Research Award Presentation BIDMC

2009 "Spine Patients: History, Physician Exam, Ddx, and Red Flags" / Grand Rounds.
Merrimack Valley Hospital System, Haverhill, MA. (CME)

2009 "Treatment of Cervical Disc Disease: The Old and the New." / Grand Rounds.
Saints Medical Center, Lowell, MA. (CME)

2010 "The Aging Spine: A Surgeons Perspective" / Grand Rounds
Beth Israel Needham Hospital, Needham, MA (CME)

2010 "Return to Play Criteria and the Cervical Spine"
Harvard University. Athletics Program. Boston, MA

Report of Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

Those presentation below sponsored by outside entities are so noted and the sponsor is identified.

Regional

National

2001 Children: Can Dynamic Computed Tomography Help Determine Severity and Treatment?" (Abstract)
American Academy of Orthopaedic Surgeons, 68th Annual Meeting

2001 "Post-Thrombotic Syndrome After Asymptomatic DVT Following TKA and THA." (Abstract)
American Association of Hip and Knee Surgeons 11th Annual Meeting

2002 "An MBA: The Utility and Effect on Physicians' Careers." (Abstract)
American Orthopaedic Association 35th Annual Residents Conference – Memphis

2002 "An MBA: The Utility and Effect on Physicians' Careers." (Abstract)
Clinical Orthopaedic Society – Indianapolis, IN

2002 "Assessment of the Test Characteristics of C-Reactive Protein for Septic Arthritis in

Children." (Abstract)
American Academy of Orthopaedic Surgeons Annual Meeting

2002 "The Role of E-Healthcare in a Pediatric Orthopaedic Sports Medicine Practice." (Abstract)
America Academy of Pediatrics National Convention

2002 "Comparing Cost and Outcome Between Teaching and Non-Teaching Hospitals for Hip Fractures." (Abstract)
American Academy of Orthopaedic Surgeons Annual Meeting

2003 "Comparing Cost and Outcome Between Teaching and Non-Teaching Hospitals for Orthopaedic Procedures." (Abstract)
American Academy of Orthopaedic Surgeons Annual Meeting

2003 "The Impact of E-Healthcare in an Orthopaedic Oncology Practice" (Abstract)
MSTS Annual Meeting

2004 "The Impact of Surgical Delay on Mortality following Hip Fracture. A Pseudo-Randomized Trial of 18,209 Medicare Patients" (Abstract)
American Academy of Orthopaedic Surgeons, 71th Annual Meeting.

2008 "Building Successful Collaboration Across Organizational Lines" (Invited Presentation)
ACI Conference, Washington DC

2009 "The Value of Adding MRI to CT Protocols for Cervical Spine Clearance in Blunt Trauma: A Metaanalysis." (Abstract)
North American Spine Society Annual Meeting

2009 Balloon-assisted vertebral augmentation for vertebral compression fracture: an epidemiologic study. (Abstract)
American Academy of Orthopaedic Surgeons Annual Meeting

2010 "CT Alone vs. CT and MRI in the Identification of Occult Injuries to the Cervical Spine: A Meta-analysis." (Abstract)
American Academy of Orthopaedic Surgeons Annual Meeting

2010 Management of Metastatic Spinal Cord Compression: A Systematic Review Spanning 30 Years. Kim JH, Harris MD, McGuire KJ, Losina E , Katz JN, and Bono CM. American Academy of Orthopaedic Surgeons Annual Meeting (Abstract).

International

2007 "Posteriolateral endoscopic excision of extraforaminal and foraminal disc herniations at the lumbasacral junction" (Abstract)
Spine Athroplasty Society, Korea

Report of Clinical Activities and Innovations

Current Licensure and Certification

1999- Medical License Pennsylvania
2002- Medical License Ohio
2004- Medical License New York
2007- Medical License Arizona
2006- Orthopaedic Board Certification: American Board of Orthopaedic Surgeons
2006- Medical License Massachusetts

Practice Activities

2004-2006	Orthopedic Surgery Spine Surgery	Albany Medical Center Albany, NY	Level 1 Trauma Center
2006-	Orthopedic Surgery Spine Surgery	Beth Israel Deaconess Medical Center, Boston, MA	Level 1 Trauma Center

Clinical Innovations

Posterior Spinal Fusion Pathway	Multidiscplinary effort that developed a clinical pathway for elective posterior spinal fusion. Goal of effort is to increase communication, transparency, safety, and decrease variation in care. Presented at the Silverman Institute, BIDMC
The Spine Center @ BIDMC	The Spine Center @ BIDMC is a multidisciplinary, academic, tertiary care center that includes (neurosurgery, orthopedic spine surgery, anesthesia pain, physical medicine and rehabilitation, neurology, and physical therapy). Innovative components include: 1. Juxtaposition of services and providers with non-operative providers paired with surgeons. 2. Pairing of physical therapists and providers. 3. Multidisciplinary conferences. 4. Triage process using EMR and protocols. 5. Prospective electronic patient reported outcomes on all patients. 6. Development of transparency metrics to be reported on website. 7. Application of "LEAN" methods to enhance clinic efficiency including facilities (space design, furniture, IT set up) and patient flow maps. 8. "Live" metrics reviewed to identify process problems and opportunities for improvement. 9. Development of outpatient care protocols to decrease variation between providers (Acute disc herniation; Acute back pain).
Endoscopic Spine Surgery	The first spine surgeon to perform a selective endoscopic discectomy in Boston and perhaps in New England.

Report of Technological and Other Scientific Innovations

Interbody Device for Arthrodesis of the Spine	A device developed in conjunction with MIT based on balloon technology that allows for the placement and deployment of an interbody cage through an endoscopic approach (6.7mm diameter endoscope) to the spine with 1cm incisions. Currently in development. Patent to be submitted by BIDMC Technology Ventures Office and MIT.

Report of Education of Patients and Service to the Community

Those presentation below sponsored by outside entities are so noted and the sponsor is identified.

Activities

2008	"Issues in the Aging Spine" Needham Senior Center, Needham, MA. Invited Talk (2 hours)
2008	"Issues in Aging Spine"

	Needham Library, Needham, MA.Invited Talk. (2 hours)
2008	"Issues in Aging Spine"
	Chelsea, MA. Invited Talk. (3 hours)
2008	"Issues in Aging Spine.
	ABC Development Group, Boston, MA. Invited Talk. (2 hours)
2009	Issues in the Aging Spine
	Orchard Cove, MA Invited Talk (3 hours)

Educational Material for Patients and the Lay Community

Books, monographs, articles and presentations in other media

2008	Spine Surgery	TV Interview Fox News Boston, MA	
2010	Spine Surgery	Co-Author	Comprehensive surgical packet to be given to patients before surgery which walks the patient through every step of the process.

Educational material or curricula developed for non-professional students

Patient educational material

2008	Kyphoplasty	Co-Author	Educational Video. Internal TV BIDMC
2009	"My Aching Back"	Co-Author; Editor; Topic Designer	Highly successful educational campaign featuring Articles, Videos and Podcasts. -WCB-TV Channel 5 Boston, MA -thebostonchannel.com for 5 weeks. -Greater media and radio station websites. Websites had information accessed 31,932 times http://www.bidmc.org/CentersandDepartments/Departments/SpineCenter/AllAboutSpineCare/LearnFromOurExperts.aspx
2009-	"Hot Topics"	Co-Author, Editor	Video / Written Educational Material http://www.bidmc.org/CentersandDepartments/Departments/SpineCenter/HotTopics.aspx Examples: -Kyphoplasty -Why a Spine Center? -Should I see a neurosurgeon or an orthopaedic surgeon? -What is endoscopic discectomy? -Treating lumbar stenosis with an interspinous spacer.

Recognition

Report of Scholarship

Publications

Peer reviewed publications in print or other media

Research Investigations

1. **McGuire KJ**, Westacott S, MacEwen GD. Trichorhinophalangeal Syndrome: A short report describing the evolution of Perthes-like changes in the hips. *Orthopedics* 2000 Aug;23(8):55-6 (PMID 10952053)

2. **McGuire KJ**, Silber J, Flynn JM, Levine M, Dormans JP. Evaluation of Torticollis in Children: Can Dynamic Computed Tomography Help Determine Severity and Treatment? *Journal of Pediatric Orthopaedics* 2002 Nov;22(6): 766-770 (PMID 12409905)

3. Bernstein J, **McGuire K**, Freedman KB. Statistical Sampling and Hypothesis Testing in Clinical Orthopaedic Research. *Clinical Orthopedics and Related Research* 2003 Aug;413:55-62 (PMID 12897596)

4. Levine MJ, **McGuire KJ**, McGowan KJ, Flynn JM. Assessment of the Test Characteristics of C-Reactive Protein for Septic Arthritis in Children. *Journal of Pediatric Orthopedics* 2003 May-June;23(3):373-7 (PMID 12724603)

5. **McGuire KJ**, Bernstein J , Polsky D, Silber JH. The 2004 Marshall Urist Award: Delays until Surgery after Hip Fracture Increases Mortality. *Clinical Orthopedics and Related Research* 2004 Nov;428:294-301 (PMID 15534555)

6. Parekh SG, Sodha S, **McGuire KJ**, Bozentka DJ, Rozental TD, Beredjiklian PK. The digital divide phenomenon in a hand surgery outpatient clinic. *Clinical Orthopedics and Related Research* 2004 April;421:459-63. (PMID 15123926)

7. Sodha S, Kim J, **McGuire KJ**, Lonner JH, Lotke PA. Lateral retinacular release as a function of femoral component rotation in total knee arthroplasty. *J Arthroplasty* 2004 Jun; 19(4):459-63 (PMID 15188104)

8. Lonner JH, Frank J, **McGuire K**, Lotke PA. Postthrombotic Syndrome After Asymptomatic Deep Vein Thrombosis Following Total Knee and Hip Arthroplasty. American Journal of Orthopedics 2006 October;35(10):469-472 (PMID 17131737)

9. Sharan AD, Jeshuran W, Mulligan M, **McGuire K**, Uhl R. "Intramedullary nailing in a tibial shaft fracture with distal articular extension." *Orthopaedics* 2005 June; 28(6):571-2 (PMID 16138469)

10. Kleweno CP, Zampini JM, White AP, Kasper EM, **McGuire KJ**. Survival after concurrent traumatic dislocation of the atlanto-occipital and atlanto-axial joints: a case report and review of the literature. *Spine* 2008 Aug 15; 33(18):E659-62 (PMID 18708920)

11. Schoenfeld AJ, Bono CM, **McGuire KJ**, Warholic N, Harris MB. Computed tomography alone versus computed tomography and magnetic resonance imaging in the identification of occult injuries to the cervical spine: meta-analysis. *J Trauma*. 2010 Jan;68(1):109-13; discussion 113-4. (PMID:20065765)

12. Zampini JM, White, AP, **McGuire KJ**. Comparison of 5766 Vertebral Compression Fractues Treated with or without Kyphoplasty. *Clinical Orthopedics and Related Research* 2010 Feb 23. (PMID: 20177836)

Other peer-reviewed publications

1. Bernstein J, **McGuire K**. "Tennis Elbow: Lateral Epicondylitis." *Hospital Medicine*, 35(11):21-25, 1999.

2. Bernstein J, **McGuire K**. "Carpal Tunnel Syndrome." *Federal Practitioner*.18: 8-31 2001.

3. **McGuire KJ**. "Spine fellowships" *Clinical Orthopaedics and Related Research*.2006 Aug; 449:244-248 (PMID 16760818)

4. **McGuire K**. Journal Scan; Spine. Clinical *Orthopaedics and Related Research*. (463):244-249; Oct 2007.

5. **McGuire K**. Trends and Variations in Cervical Spine Surgery in the United States: Medicare Beneficiaries, 1992-2005. Point of View. *Spine* April 20, 2009

6. **McGuire KJ**. An examination of outcome measures for pain and dysfunction in the cervical spine. A factor analysis. Point of View. *Spine*. Accepted for publication

Non-peer reviewed scientific or medical publications/materials in print or other media

Letter to the editor

1. **McGuire K**, Drobatz K, Deitz A, Kantor J, Hung C, Holmes W. "Should we use the SF-12?" *Digestive Diseases and Sciences*. June 1999.

Professional educational materials or reports, in print or other media

Chapters

1. Bono et al. *Prove It.* Harrod C, White A, **McGuire K**. Cervical Stenosis with Straight Spine (Case 2). In revision.

2. Lindsey ed. Zampini J, **McGuire K**, White A, Harris M. *Orthopaedic Implants: Applications, Complications and Management Implant Removal and /or Replacement*. In Print.

Clinical Guidelines and Reports

Thesis

Undergraduate

1. **McGuire K**. The End Result System: Ernest Amory Codman and the Origins of Accountability in American Medicine, 1910-1934. B.A. Thesis. Princeton University, 1993.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. McColl P, Schweid M, **McGuire K**. Posterior Spinal Fusion Pathway. Silverman Institute for Healthcare Quality and Safety Symposium. BIDMC 2008. (Poster)

2. **McGuire K**, Harast J, Herkowitz H, Weinstein J. Geographic Rates and Variation in the Surgical Treatment of Degenerative Cervical Disc Disease American Board of Orthopedic Surgery (ABOS) A Quality Improvement Initiative; Part II Candidates. Cervical Research Society 2009. (Poster)

3. Zampini J, **McGuire K**, White A, Groff M. Anterior cervical discectomy and fusion with carbon fiber cages without plating. American Academy of Orthopaedic Surgeons Annual Meeting, February 25-28, 2009. (Poster)

4. Metkar U, **McGuire KJ**, White AP. Improvement in Safety and Efficacy of Trans-psoas Lateral Lumbar Interbody Fusion For The Treatment Of Coronal And Sagittal Deformity; Complication Avoidance By Modification Of Surgical Technique. Lumbar Spine Research Society 2010. (Poster)