

# Bruce Lee Hall, MD, PhD, MBA

## Curriculum Vitae

15 October 2007

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Saint Louis, MO 63105  
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Place of Birth: Doylestown, PA, USA.

### University Appointments:

2/1/06-present	Associate Professor of Surgery, School of Medicine, Washington Univ., St. Louis, MO.
7/1/07-present	Associate Professor, Healthcare Management, Olin Business School, WUSTL.
7/1/07-present	Senior Fellow, Center for Health Policy, Washington Univ., St. Louis, MO.
1/1/05-6/30/07	Research Fellow, Center for Health Policy, Washington Univ., St. Louis, MO.
1/1/05-6/30/07	Assistant Professor, Healthcare Management, Olin Business School, WUSTL.
7/1/00-1/31/06	Assistant Professor of Surgery, School of Medicine, Washington Univ., St. Louis, MO.
7/1/00-12/31/04	Adjunct Professor of Healthcare Management, Olin Business School, WU StL.
7/1/98-6/16/00	Instructor in Surgery, Harvard Medical School, Boston, MA.
7/1/97-6/30/98	Arthur Tracy Cabot Surgical Teaching Fellow, and Instructor in Surgery, Harvard Medical School, Boston, MA.
7/1/93-6/30/97	Clinical Fellow in Surgery, Harvard Medical School, Boston, MA.

### Hospital Appointments:

7/1/00-present	Section of Endocrine and Oncologic Surgery, Barnes-Jewish Hospital, St. Louis, MO.
8/6/07-present	Specialty Care Services/Surgery, John Cochran Veterans Affairs MedCtr, St Louis, MO, Associate Chief of Surgery, 8/2007-present.
7/1/00-6/30/07	Section of Burn/Trauma/Critical Care, Barnes-Jewish Hospital, St. Louis, MO.
8/1/02-6/30/07	General/Endocrine/Oncologic Surgery, Barnes-Jewish West County Hosp, St.Louis, MO
7/1/98-6/16/00	Staff Trauma and General Surgeon, Brigham and Women's Hospital, Boston, MA.
1/1/98-6/16/00	Staff General Surgeon, West Roxbury VA Medical Center, West Roxbury, MA.
7/1/97-6/30/98	Assistant to the Surgeon-in-Chief and Chief of the Cushing Surgical Service, General Surgeon and Trauma Surgeon, Department of Surgery, Brigham and Women's Hospital, Boston, MA.

### Additional Work Experience:

5/99-8/99	Consultant, McKinsey & Co., Inc., Florham Park, NJ. Formulated business development, product marketing, and strategy plans within the healthcare practice.
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### Postdoctoral Training:

7/1/96-6/30/97	Chief Resident in General Surgery, Department of Surgery, Brigham & Women's Hospital, Harvard Medical School (HMS).
6/25/93-6/30/96	Resident in General Surgery, Dept. of Surgery, Brigham & Women's Hospital, HMS.
6/19/92-6/25/93	Intern in General Surgery, Dept. of Surgery, Brigham & Women's Hospital, HMS.

### Education:

8/98-6/00	Harvard University Graduate School of Business Administration, M.B.A. (full-time).
8/84-5/92	Duke University Medical School, M.D., N.I.H.- M.S.T.P. (M.D.-Ph.D.).
9/86-7/91	Duke University Graduate School, Ph.D., Microbiology and Immunology.
8/80-5/84	Princeton University, A.B., Biochemical Sciences.
9/78-6/80	William Tennent Senior High School, Warminster, PA.

Licensure:

8/7/00-present	Missouri State Board of Registration for the Healing Arts, Physician & Surgeon.
11/3/93-present	Commonwealth of Massachusetts, Board of Registration in Medicine Full License.
6/19/92-11/3/93	Limited Training License, Brigham and Women's Hospital, MA.
8/4/00-present	Missouri BNDD.
4/9/97-present	U.S. Dept. of Justice, DEA (2,2N,3,3N,4,5 Practitioner).
5/6/96-06/30/00	MA Controlled Substances Practitioner, (II,III,IV,V,VI).
4/15/97-present	Medicare (B), Provider.
8/22/06-present	NPI, Provider Taxonomies 2086X0206X Surgery/Surgical Oncology
7/2000-present	Missouri Medicaid Provider.
5/2000	ATLS Certified Instructor
4/92	ACLS Certification.

Board Certification:

6/9/98-present	American Board of Surgery, Diplomat.
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Society Memberships:

10/2003-present	Fellow of American College of Surgeons.
3/2006-present	American Association of Endocrine Surgeons, member.
10/2005-present	Charter Member, American College of Surgeons, Surgical Outcomes Club.
09/2002-present	Saint Louis Surgical Society, member.

Awards and Honors:

Certificate of Appreciation, American College of Surgeons Division of Research and Optimal Patient Care, "In recognition of valuable contributions and continued dedication to promote high quality surgical care and to foster the success of the ACS National Surgical Quality Improvement Program," Sept 17, 2007.

Medical Student Teaching Award "Clinical Teacher of the Year", 2004-05, Wash. Univ. School of Medicine.

Medical Student Teaching Award "Clinical Teacher of the Year", 2003-04, Wash. Univ. School of Medicine.

Medical Student Teaching Award "Clinical Teacher of the Year", 2001-02, Wash. Univ. School of Medicine.

Evarts Graham Surgical Residents Teaching Award, 2001-2002, Washington.Univ./Barnes Hospital.

Graduation with Honors, June 2000, Harvard University Graduate School of Business Administration.

Harvard University Graduate School of Business Administration Fellowship Award, 1998-99.

Arthur Tracy Cabot Surgical Teaching Fellowship, 6/97-7/98, Brigham and Women's Hospital and Harvard Medical School, Boston, MA.

Francis D. Moore Award, 1996-97, dedicated in honor of Francis D. Moore, M.D., Surgeon-in-Chief, 1948-76. Presented to the senior resident who best exemplifies Dr. Moore's standard of excellence, uncompromising loyalty, and conscientious teaching of junior residents.

Excellence in Teaching Award, 1996-97, presented by Harvard Medical School to the surgical resident who has contributed to the students' education through combining knowledge, skill, integrity, and empathy with the art and science of teaching.

Bernard Amos Young Investigator Award for Research in Transplant Immunology, presented by the South-Eastern Organ Procurement Foundation, May 1991.

Sigma Xi (Scientific Research Society), Full Member, April 1991.

National Institutes of Health Medical Scientist Training Program, 1984-1992.

Departmental Graduate Fellowship, Division of Immunology, Duke Univ., 1990-91, 1989-90.

Chair, McGinnis Memorial Lecture Committee, Department of Microbiology, Duke Univ., 1990.

Selected Departmental Teaching Assistant, Department of Microbiology, Duke Univ., 1989.

Phi Beta Kappa, Princeton University, June 1984.

Magna cum laude, Biochemical Sciences, Princeton University, June 1984.

National Merit Academic Scholarship, 1980-84.

Aid Association for Lutherans Academic Scholarship, 1980-84.

Katherine G. Ryan Academic Scholarship, 1981-83.

Warminster Rotary Academic Scholarship, 1980-81.

Fred J. Stackpole Award, scholarship awarded to Valedictorian, 1980-81.

Commander Frank Brown Award for academic performance and community service, 1980-81.

Valedictorian, 1980, William Tennent Senior High School, Warminster PA.

Philadelphia Science Council "Keys" Award, winner of scientific scholarship competition, 1980.

Selected to Bucks County Science Seminar based on scientific aptitude, 1980.

Bausch and Lomb Scholarship Award for scientific aptitude, 1980.

McDonald's Corporation Scholar's Award for outstanding scholarship, 1980.

Committee Assignments:

## National

- American College of Surgeons, National Surgical Quality Improvement Program, Co-chair, Evaluation and Measurement (Statistical Modelling) Committee, 07/01/07-present.
- Policy Advisory Committee, 10/2007-present.
- ACS-NSQIP Advisory Committee, 10/04-6/07, superseded by new appt.
- ACS-NSQIP Statistical Modeling Subgroup, 12/05-6/07, superseded by new appt.
- AHRQ PSS National Steering Committee (All 14 Sites), 9/01-10/04, superseded by new appt.
- American College of Surgeons, Patient Safety and Quality Improvement Committee, 10/06-present.
- National Quality Forum: National Voluntary Consensus Standards for Hospital Care:
  - Specialty Physician Performance Measures Steering Committee. November 2006 to present.
  - ACS-PSQIC Representative to NQF, March 2007-present.
- Joint Commission (formerly Joint Commission on Accreditation of Healthcare Organizations-JCAHO), Physician Engagement Advisory Group, March 2006-present.
- Selection Committee for Research Papers, American College of Surgeons, Annual Congress (New Orleans, October 2007), May 2007.
- Blue Cross / Blue Shield Missouri, Metro Physician Consultative Committee, appointed 7/1/03.
- American Board of Surgery, Associate Examiner, March 2003.
- Barnes-Jewish Hospital Corporation OR Washington University in Saint Louis School of Medicine:
  - Medical Staff Performance Committee, Departmental Representative, 7/1/03-present
  - Touchworks EMR Clinical Research Committee, 07/01/07-present.
  - Steering Committee Member, Goldfarb Fellowship in Patient Safety and Quality, 9/2007-present.
  - Department of Surgery Residency Committee Member, 7/1/01-present.
  - Program Committee Member, Center for the Study of Ethics and Human Values, 9/2005-12/2006; "Fellow" of the Center, Member of Research Group, 1/2007-present.
  - Faculty Practice Plan, Pay for Performance Committee, 7/2005-6/2007.
  - Physician Advisory Group, Computerized Order Entry Project, BJC/WUSTL, 9/26/02-6/30/07.
  - BJH Information Technology Strategic Advisory Committee, 2005-2006.
  - Operative Note Monitoring Group, BJC/WUSTL, 9/1/03-6/30/06.
  - HIPAA Compliance Group, BJC/WUSTL, 8/9/02, 10/2/02.
  - CISC Committee (Information Technology) for Faculty Practice Plan, WUSTL, 5/1/01-6/30/04.
  - Planning Committee, BJC Center of Excellence in Patient Safety, BJC, 1/29/01-6/30/02.
  - Transcription System Evaluation Team for Health Information Management, BJC, 6/1/01-7/1/02.
  - Center for Advanced Medicine Implementation Team, Dept. of Surgery, WUSTL, 6/1/01-7/1/02.
- Brigham and Women's Hospital:
  - Surgical Residency Education Committee. Junior faculty 7/1/97-6/30/98, Resident 7/1/96-6/30/97.
  - Surgical Residency Council, junior faculty rep. 7/1/97-6/30/98, resident rep. 7/1/96-6/30/97.
  - Surgical Utilization Review, junior faculty rep. 7/1/97-6/30/98, resident rep. 7/1/96-6/30/97.
  - Medical Records Committee, junior faculty rep. 7/1/97-6/30/98, resident rep. 7/1/96-6/30/97.
- West Roxbury VA Medical Center:
  - Executive Committee, 1/1/98-6/30/98.
  - Computerized Order Entry Committee, 1/1/98-6/30/98.
- Medical/Graduate School:
  - McGinnis Memorial Lecture Committee, 1989, 1990 (Chair), Duke University Graduate School.
  - Medical School Admissions Committee, 1987, 1988, Duke University Medical School.

Course Development:

- Olin Business School, Washington University in St. Louis:
  - Assisted Development of "Olin Grand Rounds," (MGTB53/400W ), Fall 2007 (with Hamilton, Wichelman).
  - Developed "Healthcare Economics, Policy, and Operations," (MGT400/500) Taught Jan-May 2005, '06, '07.
  - Developed "Health Care Management," (MEC533). Taught course winter 2000-01, '01-02, '02-03, '03-04.
  - Co-developed "Issues in Health Care Management," (HSM795). Taught course fall 2002 (with Hamilton).
  - Developed "Health Care and Insurance Policy," (HSM904). Taught course fall 2000, 2001.

**Bibliography:**

*Doctoral Dissertation- T Cell Receptor Beta Chain Variable Region Usage in T Cells Infiltrating Human Renal Allografts. 1 July 1991.*

***Harvard Business School Publishing:***

- Hall, B.L. (2001) Boston Medical Group (compensation and incentives in the managed care environment). Harvard Business School Publishing, case study N1-600-086 (January 12, 2001), Boston, MA.
- Hall, B.L. (2000) Medicine, incentive compensation, and the law. Harvard Business School Publishing, brief N9-600-087 (February 25, 2000), Boston, MA.

***Articles:***

- Hall, B.L., Hirbe, M., Waterman, B., Boslaugh, S., Dunagan, W.C. (2007) Comparison of Mortality Risk Adjustment Using a Clinical Data Algorithm (American College of Surgeons National Surgical Quality Improvement Program) and an Administrative Data Algorithm (Solucient) at the Case Level within a Single Institution. **Journal of the American College of Surgeons** in press.
- Finkelstein, S., Grigsby, P., Siegel, B., Dehdashti, F., Moley, J., Hall, B. (2007) FDG-PET/CT for Detection of Recurrent, 131I-Negative Thyroid Cancer. **Annals of Surgical Oncology** in press.
- Green, D.W., Meyers, B.F., Bhalla, S., and Hall, B.L. (2007) Complete Absence of the Pericardium in a Patient With Multiple Injuries. **Journal of Trauma, Injury, Infection, and Critical Care**. 63(3):E66-E68.
- Hall, B.L., Hirbe, M., Yan, Y., Khuri, S.F., Henderson, W.G., Hamilton, B.H. (2007) Thyroid and parathyroid operations in Veterans' Affairs and selected university medical centers: Results of the Patient Safety in Surgery study. **Journal of the American College of Surgeons** 204:1222-1234.
- Pierce, R.G., Bozic, K.J., Hall, B.L., Breivis, J. (2007) Health Care Technology Assessment: Implications for Modern Medical Practice. Part I. Understanding Technology Adoption and Analyses. **American Journal of Orthopedics** 36(1):11-14.
- Pierce, R.G., Bozic, K.J., Hall, B.L., Breivis, J. (2007) Health care technology assessment: implications for modern medical practice. Part II. Decision making on technology adoption. **American Journal of Orthopedics** 36(2): 71-76.
- Grigsby, P.W., Reddy, R.M., Moley, J.F., Hall, B.L. (2006) Contralateral papillary thyroid cancer at completion thyroidectomy has no impact on recurrence or survival after radioiodine treatment. **Surgery** 140(6):1043-49.
- Reddy, R.M., Grigsby, P.W., Moley, J.F., Hall, B.L. (2006) Lymph node metastases in differentiated thyroid cancer under 2 cm. **Surgery** 140(6): 1050-55.
- Paxton, E.S., Hamilton, B.H., Boyd, V.R., Hall, B.L. (2006) Impact of isolated clinical performance feedback on clinical productivity of an academic surgical faculty. **Journal of the American College of Surgeons** 202(5):737-745.
- Hall, B.L., Campbell, D.A., Phillips, L.R.S., Hamilton, B.H. (2006) Evaluating individual surgeons based on total hospital costs: Evidence for variation in both total costs and volatility of costs. **Journal of the American College of Surgeons** 202(4):565-576.
- Klingensmith, M.E., Winslow, E.R., Hamilton, B.H., Hall, B.L. (2006) Impact of resident duty hour reform on faculty clinical productivity. **Current Surgery** 63:74-79.
- Hall, B.L. and Buchman, T.G. (2005) A visual, timeline-based display of evidence for emergency thoracotomy. **Journal of Trauma, Injury, Infection, and Critical Care** 59:773-777.
- Hall, B.L. and Hamilton, B.H. (2004) New information technology systems and a Bayesian hierarchical bivariate probit model for profiling surgeon quality at a large hospital. **Quarterly Review of Economics and Finance** 44:410-429.
- Hall, B.L. (2002) Nostalgia, manufacturing principles, and the future of surgery. **American Journal of Surgery** 184: 261-262.
- Gates, J.D., Hall, B.L., Eslami, M. (2001) Blunt traumatic occlusion of the renal artery followed by delayed recanalization and pseudoaneurysm formation. **Contemporary Surgery** 57(2):87-90.
- Ruiz, R.E., Hall, B.L., Doyle, C., Ward, F.E. (1994) Baboon and cotton-top tamarin  $\beta_2m$  cDNA sequences and the evolution of primate  $\beta_2$ -microglobulin. **Human Immunology** 39:188-194.
- Hall, B.L., Hand, S.L., Alter, M.D., Kirk, A.D. and Finn, O.J. (1993) Variables affecting the T cell receptor V $\beta$  repertoire heterogeneity of T cells infiltrating human renal allografts. **Transplant Immunology** 1:217-227.

- Hall, B.L. and Finn, O.J. (1992) T cell receptor V $\beta$  gene usage in allograft-derived cell lines analyzed by a polymerase chain reaction technique. **Transplantation** 53:1088-1099.
- Hall, B.L. and Finn, O.J. (1992) PCR-based analysis of the T cell receptor V beta multigene family: experimental parameters affecting its validity. **Biotechniques** 13:248-257.
- Hand, S.L., Hall, B.L., and Finn, O.J. (1992) T cell receptor V $\beta$  gene usage in HLA-DR1-reactive human T cell populations: The predominance of V $\beta$ 8. **Transplantation** 54:357-367.
- Hand, S.L., Hall, B.L., Finn, O.J. (1990) T cell receptor gene usage and expression in renal allograft-derived T cell lines. **Human Immunology** 28:82-95.
- Persons, D.A., Schek, N., Hall, B.L., Finn, O.J. (1989) Increased expression of glycolysis-associated genes in oncogene-transformed and growth-accelerated states. **Molecular Carcinogenesis** 2:88-94.
- Schek, N., Hall, B.L., Finn, O.J. (1988) Increased glyceraldehyde-3-phosphate dehydrogenase gene expression in human pancreatic adenocarcinoma. **Cancer Research** 48:6354-6359.

*Book Chapters:*

- Hall, B. and Moley, J. (in press) "Mediastinal Parathyroid Tumors" in Pearson's Thoracic and Esophageal Surgery, 3<sup>rd</sup> Edition, Elsevier Inc., Philadelphia.
- Moley, J. and Hall, B. (in press) "Mediastinal Thyroid Disease" in Pearson's Thoracic and Esophageal Surgery, 3<sup>rd</sup> Edition, Elsevier Inc., Philadelphia.
- Finkelstein, S. and Hall, B. (in press) "Skin and Soft Tissue Tumors" in The Washington Manual of Surgery, 5<sup>th</sup> Edition, Lippincott Williams and Wilkins, Philadelphia.
- Willis, A. and Hall, B. (2005) "Endocrine Surgery" in The Washington Manual of Surgery, 4<sup>th</sup> Edition, Lippincott Williams and Wilkins, Philadelphia.
- Rivet, E. and Hall, B. (2005) "General and Perioperative Care of the Surgical Patient," in The Washington Manual of Surgery, 4<sup>th</sup> Edition, Lippincott Williams and Wilkins, Philadelphia.
- Hall, B.L. and Moley, J.F. (2004) Hyperthyroidism, in Current Surgical Therapy 8<sup>th</sup> Edition, ed. John L. Cameron, Elsevier Mosby, Philadelphia.
- Buchman, T.G., Hall, B.L., Bowling, W.M., Kelen, G.D. (2004) Thoracic Trauma, in Emergency Medicine 6<sup>th</sup> Edition, ed. Tintinalli, J.E., Kelen, G.D., Stapczynski, J.S. McGraw-Hill, New York.
- Goodman, J., Veeramachaneni, N., Winslow, E., [Hall, B. Lead Faculty Editor] (2003) The Washington Manual Surgery Survival Guide, First Edition, Lippincott Williams and Wilkins, Philadelphia.
- Hand, S.L., Hall, B.L., and Finn, O.J. (1993) Association of TCR expression with MHC recognition, in Tumor Immunobiology: A Practical Approach, ed. G. Gallagher, R. Rees, C. Reynolds, Oxford Univ. Press, NY.

*Abstracts, Reports, Presentations:*

- Hall, B., Cohen, M., Moley, J., Grigsby, P. (2007) Age at recurrence is prognostic for cancer-related death in recurrent differentiated thyroid cancer. Poster presentation to American Association of Endocrine Surgeons, Tucson, AZ, April 29, 2007.
- Finkelstein, S., Grigsby, P., Siegel, B., Dehdashti, F., Moley, J., Hall, B. (2007) FDG-PET/CT for Detection of Recurrent 131I-Negative Thyroid Cancer. Oral presentation to Society of Surgical Oncology (SSO) 60th Annual Cancer Symposium, Washington D.C., March 16, 2007.
- Tran, T., Hamilton, B., Hirbe, H., Hall, B. (2006) Time of Day Effects in Surgery. Presented at the Annual Research Symposium, Washington University in St Louis, October 26, 2006.
- Grigsby, P., Reddy, R., Moley, J., Hall, B. (2006) Incidence of Contralateral Papillary Thyroid Cancer at Completion Thyroidectomy. Presented to American Association of Endocrine Surgeons (AAES), NY, 5/2006.
- Reddy, R., Grigsby, P., Moley, J., Hall, B. (2006) Rates of Lymph Node Metastases in Differentiated Thyroid Cancer under 2 cm. Presented to American Association of Endocrine Surgeons (AAES), NY, 5/2006.
- Klingensmith, M., Winslow, E., Hamilton, B., Hall, B. (2005) Impact of resident duty hour reform on faculty productivity. Association of Program Directors in Surgery / Association for Surgical Education. New York, March 29-April 2, 2005.
- Sheode, M., Merzlak, S., Miller, S., Noirot, L., Fraley, T., Hall, B., Eberlein, T., Dunagan, C., and Bailey, T., (2004) Automation of Surgical Data Collection for Quality Improvement. Poster Presentation, "Medinfo 2004" Conference, San Francisco Sept 7-11, 2004.

- Kirk, A.D., Hall, B.L., Finn, O.J., Bollinger, R.R. (1992) In vitro analysis of the human anti-porcine T cell repertoire. (Abstract presented to the First International Conference on Xenotransplantation, University of Minnesota) **Transplant Proceedings** 24:602-603.
- Hall, B.L., Hand, S.L., and Finn, O.J. (1991) TCR V $\beta$  usage in human renal allograft-derived T cells analyzed by PCR. Symposium presentation, 1991 FASEB Meeting, Atlanta. **FASEB Journal** 5:A972 (Abstract 3496).
- Hall, B.L. and Finn, O.J. (1991) T cell receptor V $\beta$  gene usage in renal allograft-derived T cell lines analyzed by PCR. Abstract presented to the Third International Conference on Graft-Infiltrating Cells and Basic Sciences Symposium of the International Transplantation Society, University of Oxford.
- Hand, S.L., Hall, B.L., and Finn, O.J. (1991) T cell receptor V $\beta$  gene usage in DR1-reactive T cell populations: Predominance of V $\beta$ 8. Abstract presented to the Third International Conference on Graft-Infiltrating Cells and Basic Sciences Symposium of the International Transplantation Society, University of Oxford.
- Hand, S.L., Hall, B.L., and Finn, O.J. (1990) T Cell Receptor Gene Usage and Expression in Renal Allograft-Derived T Cell Lines. **Journal of Cellular Biochemistry**, UCLA Symposia on Molecular and Cellular Biology, Supp. 14B: 71.
- Schek, N., Hall, B.L., Borowitz, M.J., Finn, O.J. (1988) Overexpression of glyceraldehyde-3-phosphate dehydrogenase-like mRNA and protein in human pancreatic adenocarcinomas. In "Antigens of Human Pancreatic Adenocarcinomas: Their Role in Diagnosis and Therapy", **Pancreas** 3:352-371.

#### Work in Progress:

##### *In preparation:*

Individual Provider Performance in the AHRQ Patient Safety in Surgery Study.

Hall, Hamilton, In preparation (data analyses in progress). This very large project involves eleven institutions nationwide; IRB approvals required nearly 19 months. This work uses raw data from the NSQIP/PSS in conjunction with sophisticated statistical approaches. It explores the question of whether individual surgeons can be evaluated based on these outcome data. This work is targeted to either NEJM or JAMA.

Propensity matching analysis of the impact of local versus general anesthesia on thyroid and parathyroid surgery outcomes within the ACS-NSQIP.

Hamilton, Hall. (data analysis in progress) This project employs an advanced statistical approach to controlling for both observed and unobserved patient characteristics with respect to the cases described.

Time of Day Effects in Surgery.

Tran, Hirbe, Hamilton, Hall. In preparation. This project examines correlation between time of day of surgical start and subsequent patient outcomes, and discussed several classes of potential explanations for such effects.

Relevance of the Herfindahl index of specialization to the clinical practice of surgery.

Lee, Majercik, Hamilton, Hirbe, Hall. In preparation. This work examines whether there is a link between procedural specialization in surgery and risk-adjusted outcomes. The method relies on the Herfindahl index and similar measures, in combination with ACS-NSQIP generated risk adjusted outcome measures.

Utility of a revealed preferences ranking of surgical residency applicants.

Hall, Hamilton, Klingensmith, In preparation. This study takes a new approach to the evaluation of residency applicants, and explores issues of efficiency and robust metrics. This multiyear analysis continues this year.

Transesophageal FNA confirmation of intrathoracic parathyroid adenoma (case report).

Cohen, Edmundowitz, Battafarano, Hall. Case report of transesophageal biopsy of parathyroid. In preparation.

Invited Presentations:

These engagements include the following three categories: extramural, university-wide, or departmental grand rounds. All speaking occasions or lectures below these levels are included in the *Supplemental Dossier of Activities*.

Invited Speaker, "Using Hospital NSQIP Data for Quality Improvement," American College of Surgeons, Annual Congress (New Orleans), October 10, 2007.

Invited Presiding Officer, Research Papers Session, American College of Surgeons, Annual Congress (New Orleans), October 9, 2007.

Department of Anesthesiology, Washington University in Saint Louis. September 26, 2007. Grand Rounds Speaker, "The National Surgical Quality Improvement Program and Future Directions for Outcomes Research."

Department of Surgery, Washington University in Saint Louis. September 12, 2007. Grand Rounds Speaker, "The National Surgical Quality Improvement Program and Future Directions for Outcomes Research."

Department of Surgery, University of Michigan. January 4, 2007. Grand Rounds Speaker, "Evaluating Individual Provider Performance."

American College of Surgeons, Surgical Outcomes Club (SOC), Chicago, October 2006. Invited discussant of research at annual meeting. Presentation of research by Dr. Louis Nguyen: "Measuring Resource Utilization after Surgery."

ACS-NSQIP National Forum, Invited Speaker, "Evaluating Individual Provider Performance by Costs," Chicago, IL, June 26<sup>th</sup>-27<sup>th</sup>, 2006.

BJC Healthcare Center for Healthcare Quality & Effectiveness, Spring 2006 Patient Safety Forum, Invited Speaker, "Alternative Statistical Approaches to Evaluating Individual Provider Performance," St. Louis, MO, May 18, 2006.

Stanford University Department of Surgery, Invited Grand Rounds Speaker: "Bayesian Analysis of the Performance of Individual Providers," Stanford, CA, April 11, 2006.

Society of Clinical Surgery, Invited presentation of research: "Evaluating Individual Performance," Washington University in St Louis, November 3, 2005.

American College of Surgeons, Surgical Outcomes Club (SOC), San Francisco, October 16, 2005, Invited presentation of research at inaugural meeting, "Evaluating individual surgeons using NSQIP and cost accounting data."

American College of Surgeons, Postgraduate course on endocrine surgery, San Francisco, October 18, 2005, Lecturer "Cervical and mediastinal goiter."

Center for the Study of Ethics and Human Values, Washington University in Saint Louis, October 14, 2005, Invited panel discussant for Frank Bailey Memorial Lecture- "Health South: Lessons Learned" (speaker Jay Grinney).

Department of Neurosurgery, Washington University in Saint Louis, October 5, 2005. Grand Rounds Speaker, "Evaluating individual provider performance."

ACS-NSQIP, National Steering Committee, Chicago 3/22/05, Invited Speaker: "Measuring Individual Provider Performance."

ACS-NSQIP, National Steering Committee, Chicago 3/11/04, Invited Speaker: "Measuring Individual Provider Performance."

American Medical Student Association, Fall Regional Conference, St. Louis, 9/27/03. Invited Speaker, "Health Finance, Politics, and Religion."

Department of Neurosurgery, Washington University in Saint Louis, October 1, 2003. Grand Rounds Speaker, "Outcomes in General and Vascular Surgery- the NSQIP/PSS."

Missouri Trauma Coalition- Regional Trauma Symposium, St. John's Medical Center, Joplin, MO, November 9, 2002. Invited Speaker- "Sustaining Trauma Care in the State of Missouri".

Trauma Center Leadership Conference (Trauma Resource Network), St. Louis, MO, 3/1/02. Invited speaker, "Physician Charge Capture."

Department of Emergency Medicine, Washington University in Saint Louis, 11/13/01. Grand Rounds Speaker, "Emergency Department Thoracotomy."