

CURRICULUM VITAE
University of Pittsburgh
School of Medicine

BIOGRAPHICAL

Name: Daniel E. Hall
Home Address: 412 Locust Street
Pittsburgh, PA 15218
Home Phone (mobile): 412-654-8902
Birthplace: Hastings, Nebraska
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Business Address: Department of Surgery, F1264
200 Lothrop Street
Pittsburgh, PA 15213
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EDUCATION and TRAINING

UNDERGRADUATE:

1987-1991 Yale College B.A. (1991) Major Subject: Biology
New Haven, CT *Magna Cum Laude* Minor Subject: Philosophy

GRADUATE:

1993-1996 Yale Divinity School M.Div (1996) Major Subject: Theology
New Haven, CT

1995-1999 Yale School of Medicine M.D. (1999) Major Subject: Medicine
New Haven, CT

2002-2005 Duke University M.H.Sc. (2005) Major Subject: Health Science
Durham, NC Research

POSTGRADUATE TRAINING:

1999-2002 Intern and Resident Major Subject: General
University of Pittsburgh Medical Center Surgery
Pittsburgh, PA
Program director: Kenneth K. Lee, MD

2002-2005 Post Doctoral Fellow Major Subject: Religion and
Duke University Medical Center Health
Durham, NC
Program director: Harold G. Koenig, MD

2002-2005	Resident University of Pittsburgh Medical Center Pittsburgh, PA Program director: Kenneth K. Lee, MD	Major Subject: General Surgery
April 9, 2014	Robotic Surgery Training DaVinci System Training: Console Surgeon Florida Hospital-Celebration, FL Program directors: Gillian Duncan, D.Ed Myran Cuel, MD	Major Subject: Robotic Surgery
Feb 3, 2017 June 8, 2017	Vital Talk Faculty Development R1&R2 Teaching to Teach Communication Skills, parts 1 & 2 University of Pittsburgh Medical Center, Pittsburgh, PA Program directors: Robert Arnold, MD Julie Childers, MD	Major Subject: Communication Skills

APPOINTMENTS and POSITIONS

ACADEMIC

7/1/2018-present Medical Director, High Risk Populations and Outcomes, Wolff Center at UPMC	UPMC Physician Services Division Forbes Tower, Suite 9055 Pittsburgh, PA, 15213
7/1/2015-6/30/2018 Administrative Consultant (Frailty in Elective Surgery)	UPMC Physician Services Division Forbes Tower, Suite 9055 Pittsburgh, PA, 15213
2/1/2014-present Associate Professor	UPMC Presbyterian Department of Surgery, F1264 200 Lothrop Street Pittsburgh, PA 15213
7/1/ 2007-1/31/2014 Assistant Professor	UPMC Presbyterian Department of Surgery, F1264 200 Lothrop Street Pittsburgh, PA 15213
10/1/2007-present Staff Surgeon	Veterans Affairs Pittsburgh Healthcare System Department of Surgery University Drive Pittsburgh, PA 15240
10/1/2007-present Core Investigator	Center for Health Equity Research and Promotion Veterans Affairs Pittsburgh Healthcare System University Drive Pittsburgh, PA 15240
9/23/2011-present Core Faculty	Center for Bioethics and Health Law University of Pittsburgh

3708 Fifth Avenue
Medical Arts Building, Suite 300
Pittsburgh, PA 15213

11/14/2011-present
Faculty Scholar
(non-resident)

Center for Spirituality, Theology and Health
Duke University
Box 2400 Duke University Medical Center
Besse Building, Suite 0505
Durham, NC 27710

9/1/2007-9/23/2011
Affiliated Faculty

Center for Bioethics and Health Law
University of Pittsburgh
3708 Fifth Avenue
Medical Arts Building, Suite 300
Pittsburgh, PA 15213

NON-ACADEMIC

CHURCH POSITIONS:

2006-Present
Assisting Episcopal Priest

First Lutheran Church
Pittsburgh, PA

2002-2005
Assistant Rector

Church of the Holy Family
Chapel Hill, NC

1999-2002
Canon Missioner for Young Adults

Trinity Cathedral
Pittsburgh, PA

1998-1999
Lay pastoral Assistant

All Saints,
Meriden, CT

1994-1998
Seminarian

Trinity Church on the Green
New Haven, CT

WORK EXPERIENCE:

1993
1986-89
Lab Technician

New England Biolabs
Beverly, MA

- Cloned and sequenced the restriction/modification system for *Apal* (1993)
- Discovered restriction endonucleases *BspHI* (1986) and *EcoNI* (1987).
- Assisted in developing a new method for cloning restriction enzymes (1988).

1991-1992
Science Teacher

St. David's Girls' High School
Zimbabwe

- Carried a load of 250 students in biology, chemistry and general sciences.
- Coached the volley ball and debate teams.

1991 (Aug-Oct) Copyright Clearance Center
Publisher Representative Salem, MA
-Solicited and maintained business relationships with over 300 publishers

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION

29 January, 2008 American Board of Surgery Certificate: 53121

MEDICAL and OTHER PROFESSIONAL LICENSURE

Drug Enforcement Administration (DEA) XXXXXXXX
Issue Date 10/24/2007
Expiration Date 10/31/2015

Pennsylvania Medical Licensure MD418508

Ordination (Episcopal)
Priest October 7, 2001
Deacon June 12, 1999
Canonical Residence Diocese of Pittsburgh

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

2005-2009 American College of Surgeons, Associate Member
2005-2009 Society for the Scientific Study of Religion
2006-2016 American Society for Bioethics and Humanities
2009-present Association of Academic Surgery
Ethics Committee 2012-2014
2009-present American College of Surgeons, Fellow
2009-present Southwest Pennsylvania Chapter of the American College of Surgeons
Council Member 2010-2013
2012-present Association of VA Surgeons
Research Committee, 2015-2018
Awards Committee, 2017-present
2017-present Society of University Surgeons

HONORS

HONORS and AWARDS

2019 HSR&D Scientific Merit Review Board for CDA

- Invited to review proposals for HSR&D Career Development Awards. The review panel met under the guidance of Portfolio Manager, Robert Small, on March 5-6, 2019.
- 2018 Faculty Mentor, Physician Leadership Program
Mentored group of 5 physicians in developing analysis of shared decision making needs across UPMC as part of a joint program between UPMC and the Katz Graduate School for Business.
- 2016 Alumni Preacher, Yale University
Invited to preach at the University Church as the final event of the 25th reunion weekend, May 29, 2016.
- 2016 Stakeholder Representative for Geriatric Surgery.
Invited to participate as a key stakeholder in the Coalition for Quality in Geriatric Surgery Project, jointly sponsored by the American College of Surgeons and the John A. Hartford Foundation and aimed at developing standards for the surgical care of geriatric patients, September 10, 2015 and May 12-13, 2016. Appointed to represent UPMC by Dr. Steven Shapiro.
- 2016 HSR&D Scientific Merit Review Board HSR5 & HSR5A
Invited to review proposals for HSR&D research proposal. The review panel met under the guidance of Portfolio Manager, Ranjana Banerjea, on March 2-3, 2016.
- 2015 HSR&D Scientific Merit Review Board HSR5 & HSR5A
Invited to review proposals for HSR&D research proposal. The review panel met under the guidance of Portfolio Manager, Ranjana Banerjea, on August 25-26, 2015.
- 2015 NIH Study Section on Central IRBs and Research Ethics
Invited to review proposals for the NIH FOA "Empirical research on ethical issues related to central IRBs and consent for research using clinical records and data". The review panel met by videoconference under the guidance of Scientific Review Officer, Karin Helmers, on July 1, 2015.
- 2015 HSR&D Scientific Merit Review Board on Opioid Consent
Invited to review proposals for the HSR&D Service Directed Project on informed consent for long term opioid use for pain in patients with cancer. The review panel met by videoconference under the guidance of Portfolio Manager, Ranjana Banerjea, on June 4, 2015.
- 2015 4th Annual Conference on Medicine and Religion
Invited to judge the posters and lead students in poster sessions. Session moderator. Also asked to host dinner to foster community around a topic of interest. March 6-9, 2015, Boston, MA.
- 2014 NIH Study Section on Central IRBs and Research Ethics

Invited to review proposals for the NIH FOA “Empirical research on ethical issues related to central IRBs and consent for research using clinical records and data”. The review panel met by videoconference under the guidance of Scientific Review Officer, Karin Helmers, on July 8, 2014.

- 2014 Invited Participant: VA HSR&D CDA Conference
Invited to participate in a day-long conference for CDA recipients in Washington, DC on February 12, 2014.
- 2013 Keynote Speaker for Student Clinician Pinning Ceremony
Invited by the Gold Humanism Honor Society to give the keynote address at the pinning ceremony for the rising third year medical students on May 3, 2013.
- 2012 On Moral Medicine, 3rd Edition
Two of my publications were anthologized in the 3rd edition of the pre-eminent text on theological bioethics: *On Moral Medicine: Theological Perspectives in Medical Ethics* (Lysaught MT and Kotva JJ, eds. Eerdmans: Grand Rapids 2012). To be included in this text puts my work alongside the most influential scholars in this field over the past 70 years.
- 2012 Surgical Ethics Working Group for SCORE
Invited to help develop ethics curricula for the Surgical Council on Resident Education (SCORE) [www.surgicalcore.org]. Worked with other leaders in surgical ethics to develop ethical analysis of clinical vignettes.
- 2010 2010 Gathering of GenX Clergy
Invited to help lead a select group of influential young clergy of the Episcopal Church in a 5 day retreat to discern leadership directions for the future of the church and society.
- 2010 2010 Course in Scientific Management and Leadership
Competitive scholarship to a 3 day professional development course for junior faculty in health sciences sponsored by the University of Pittsburgh Office of Academic Career Development.
- 2010-2011 Junior Scholar for the Practice and Profession Working Group
One of 4 junior scholars chosen to participate in a year-long workshop that brings together senior scholars from the University of Chicago, Duke University, and Notre Dame, to address the question: “What would it mean rightly to set the practice of medicine in the context of a good (virtuous, ethical, and/or faithful) life?” Sponsored by the Program on Medicine and Religion at the University of Chicago.
- 2009 CREDO

Invited to participate in 8 day professional development and vocational discernment retreat sponsored by the Church Pension Group of the Episcopal Church, November 2-9.

- 2007 Dorris B Maxwell Award for Research
Awarded to that graduating chief surgical resident who, in the eyes of the faculty, has been most creative and productive during the research component of the residency training
- 2001 Presiding Bishop's Symposium on Healthcare
Invited to join an inter-disciplinary working group of 30 members to clarify the positions of the Episcopal Church regarding health and healthcare. Our position paper was presented for acceptance at the 2003 General Convention of the Episcopal Church.
- 1995 Preaching Excellence Program
Invited with 25 other students nationwide for a one week intensive workshop on homiletics at the College of Preachers Washington, D.C.
- 1987 NIH Centennial Scholar
Chosen as the single student to represent Massachusetts at the National Institutes of Health Centennial in Washington, D.C.
- 1986 Summer Science Institute
Weizmann Institute of Science
Rehovot, Israel
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PUBLICATIONS

1. **Refereed articles** (Articles based on empirical data are marked “E”, articles based on philosophical analysis are marked ‘P’, systematic reviews are marked “R”, and commentary “C”.)
- 1 Rothenberg KA, Stern JR, George EL, Trickey AW, Morris AM, **Hall DE**, Johanning JM, Hawn MT, Arya S (2019). Association of Frailty and Postoperative Complications on Unplanned Readmissions Following Elective Outpatient Surgery. *JAMA Network Open*, 2(5) doi:10.1001/jamanetworkopen.2019.4330. **E**
 - 2 Arya, S., Varley, P., Youk, A., Borrebach, J. A., Perez, S., Massarweh, N. N., . . . **Hall, DE**. (2019). Recalibration and External Validation of the Risk Analysis Index: A Surgical Frailty Assessment Tool. *Ann Surg*. doi:10.1097/SLA.0000000000003276. **E**
 - 3 Martsof, G. R., & **Hall, DE**. (2019). Is a culture of health always healthy? *Nurs Forum*. doi:10.1111/nuf.12345. **P**
 - 4 Johanning, J. and **Hall, DE**. (2018), Successful Prehabilitation: A Noble Goal. *J Am Geriatr Soc*, 66: 1869-1869. doi:[10.1111/jgs.15599](https://doi.org/10.1111/jgs.15599). **C**

- 5 Shah, R., Attwood, K., Arya, S., **Hall, DE**, Johanning, J. M., Gabriel, E., . . . Massarweh, NN. (2018). Association of Frailty With Failure to Rescue After Low-Risk and High-Risk Inpatient Surgery. *JAMA Surg*, 153(5), e180214. doi:10.1001/jamasurg.2018.0214. **E**
- 6 **Hall, DE.**, Arya, S., Schmid, K. K., Carlson, M. A., Lavedan, P., Bailey, T. L., Purviance, G., Bockman, T., Lynch, T.G., Johanning, J. M. Association of a Frailty Screening Initiative with post-operative survival at 30, 180 and 365 days. *JAMA Surgery*. doi: 10.1001/jamasurg.2016.4219 Epub Nov 30, 2016. **E**
 - Discussed at the 2017 Chilean Congress of Anesthesiology as one of the top articles for critical reading.
 - This was article was widely reported in print and online media, earning an Altmetric score of 143 (July 2017), placing it among the top 5% of all research outputs scored by Altmetric. (See media contacts below).
 - Highlighted as “key paper” in Science, Medicine and the Aneshtesiologist, *Anesthesiology* 2017 127(2): A1-2.
 - Highlighted on VA Health Services Research & Development home page September 2017 (<https://www.hsrdr.research.va.gov/news/feature/aging0917.cfm>).
- 7 **Hall, DE**, Arya, S., Schmid, K. K., Blaser, C., Carlson, M. A., Bailey, T. L. Purviance, G., Bockman, T., Lynch, T.G., Johanning, J. M. Development and initial validation of the Risk Analysis Index (RAI) for measuring frailty in surgical populations. *JAMA Surg* 2017 152(2):175-182 doi: 10.1001/jamasurg.2016.4202 Epub Nov 23, 2016.**E**
 - This was article was widely reported in print and online media, earning an Altmetric score of 148 (July 2017), placing it among the top 5% of all research outputs scored by Altmetric. (See media contacts below).
- 8 **Hall DE**, Feske U, Hanusa BH, Ling BS, Stone RA, Gao S, Switzer GE, Dobalian A, Fine MJ, Arnold RM. Prioritizing Initiatives for Institutional Review Board (IRB) Quality Improvement. *American Journal of Bioethics-Empirical Bioethics* 2016 7(4): 265-274 doi 10.1080/23294515.2016.1186757 Epub May 13 2016. **E**
- 9 Varley P, Feske U, Gao S, Stone R, Zhang S, Monte, R, Arnold, RM, **Hall, DE**. Time required to review research protocols at 10 Veterans Affairs Institutional Review Boards. *J Surg Res* 204(2):481-9. doi: 10.1016/j.jss.2016.06.004. Epub 2016 Jun 8. **E**
- 10 Johanning JM, **Hall DE**, Ary S. Frailty and Mortality after Noncardiac Surgery in Elderly Individuals: Metrics, Systems, and the Elephant [invited commentary]. *JAMA Surgery* Published online January 20, 2016. doi:10.1001/jamasurg.2015.5235. **E**
- 11 **Hall DE**, Hanusa BH, Ling, BS, Stone, RA, Switzer, GE, Fine, MJ, Arnold, RM. Using the IRB Researcher Assessment Tool to guide quality improvement. *J. Emp Res Hum Res Ethics*. Dec 2015;10(5):460-469. **E**
- 12 **Hall DE**, Hanusa BH, Fine MJ, Arnod RM. Do surgeons and patients discuss what they document on consent forms? *Journal of Surgical Research*. 2015 Jul 197(1): 66-77. doi: 10.1016/j.jss.2015.03.058. Epub 2015 Mar 25 **E**
- 13 **Hall DE**, Hanusa BH, Stone, RA, Ling, BS, Arnold, RM. The time required for IRB review at one VA Medical Center. *JAMA Surgery*. 2015 Feb 1;150(2):103-9. doi: 10.1001/jamasurg.2014.956. **E**
- 14 Ernst K, **Hall DE**, Lynch TJ, Schmid, KK, SeEVERS, G, Lavedan, P, Lynch, T, Johanning J. Surgical palliative care consultations over time in relation to system wide frailty-screening. *JAMA Surgery*. 2014: 149(11):1121-1126 DOI: 10.1001/jamasurg.2014.1393. **E**
- 15 **Hall DE**, “Who decides when the patient cannot”. Multimedia peer-reviewed module for the *American Board of Surgery SCORE Curriculum*. www.surgicalcore.org. (2014). **P**
- 16 Antiel RM, Reed DA, Van Arendonk KJ, Wightman SC, **Hall DE**, Porterfield JR, Horvath KD, Terhune KP, Tarpley JL, Farley DR. Effects of duty hour restrictions on core

- competencies, education, quality of life, and burnout among general surgery interns. *JAMA Surg.* 2013 May;148(5):448-55. doi: 10.1001/jamasurg.2013.1368
- 17 Ai, AL, **Hall DE**, Bolling, SF. Interleukin-6 and Hospital Length of Stay after Open-heart Surgery. *Biological Psychiatry and Psychopharmacology.* 2013; 14(2), 79-82. (An official publication for the *World Federation of Societies of Biological Psychiatry*). **E**
 - 18 **Hall DE**, Morrison P, Nikolajski C, Fine MJ, Arnold RM, Zickmund SL. Informed consent for inguinal herniorrhaphy and cholecystomy: Describing how patients make decisions to have surgery. *Am J Surg.* 2012 DOI: 10.1016/j.amjsurg.2012.07.020. 2012; 204(5): 619-25. **E**
 - 19 Antiel RM, Van Arendonk KJ, Reed DA, Terhune KP, Tarpley JL, Porterfield JR, **Hall DE**, Joyce DL, Wightman SC, Horvath KD, Heller SF, Farley DR. Surgical training, duty-hour restrictions, and implications for meeting the accreditation council for graduate medical education core competencies: views of surgical interns compared with program directors. *Arch Surg.* 2012;147(6):536-41. **E**
 - 20 Ai AL, **Hall DE**, Pargamet K. Posttraumatic Growth in Patients Who Survived Cardiac Surgery: The Predictive and Mediating Roles of Faith-based Factors. *J Behavioral Medicine* 2012; DOI 10.1007/s10865-012-9412-6. 2013; 36(2): 186-198. **E**
 - 21 **Hall DE**, Prochazka AV, Fink AS. Informed consent for clinical treatment: Best practices. *Canadian Medical Association Journal* 2012; DOI 10.1503/cmaj.112120. **R**
 - 22 Neal MD, Alverdy JC, **Hall DE**, Simmons RL, Zuckerbraun BS. Diverting loop ileostomy and colonic lavage: An alternative to total abdominal colectomy for the treatment of severe, complicated *Clostridium difficile*-associated disease. *Annals of Surgery.* Sep 2011; 254(3):423-429. **E**
 - 23 **Hall DE**, Hanusa B, Switzer G, Fine M, Arnold R. The impact of iMedConsent™ on patient decision making regarding cholecystectomy and inguinal herniorrhaphy. *Journal of Surgical Research.* DOI: 10.1016/j.jss.2011.04.056. **E**
 - 24 Brewster LP, Palmatier J, Manley CJ, **Hall DE**, Brems JJ. Limitations on surrogate decision-making for Emergent Liver Transplantation. *Journal of Surgical Research* 2011; DOI: 10.1016/j.jss.2011.04.042. **E**
 - 25 Brewster LP, **Hall DE**, Joehl RJ. Assessing Residents in Surgical Ethics: We do it a lot, we only know a little. *Journal of Surgical Research* 2011; DOI: 10.1016/j.jss.2011.04.008. **E**
 - 26 Ai, AL. **Hall DE**. "Divine Love and Deep Connections: A Long-Term Followup of Patients Surviving Cardiac Surgery," *Journal of Aging Research*, vol. 2011, Article ID 841061, 8 pages, 2011. doi:10.4061/2011/841061. **E**
 - 27 **Hall DE**. The Guild of Surgeons as a Tradition of Moral Enquiry. *Journal of Medicine and Philosophy* 2011; 36 (2): 114-132 DOI: 10.1093/jmp/jhr005. **P**
 This was the lead article in this issue dedicated to Alisdair Macintyre's influence on medicine, its practices, and medical ethics.
 - 28 Pragatheeshwar T, Brewster LP, **Hall DE**, Educational Intervention Is Effective In Improving Knowledge And Confidence In Surgical Ethics -A Prospective Study. *American Journal of Surgery* 2010; 200(5): 665-9. **E**
 - 29 **Hall DE**, Meador KG, Koenig HG. Episcopal Measure of Faith Tradition: A context-specific approach to measuring religiousness. *Journal of Religion and Health.* 2010; 49(2): 164-178. DOI: 10.1007/s10943-009-9240-3. **E**
 - 30 Cohen, AB, **Hall, DE**. Social support, existential beliefs, and well-being among Catholic, Jewish, and Protestant older adults. *International Journal for the Psychology of Religion* 2009; 19:39-54. **E**
 - 31 **Hall DE**, Altar and Table: A phenomenology of the surgeon-priest. *Yale Journal of Biology and Medicine.* 2008; 81(4): 193–198. **P**

- 32 **Hall DE**, Koenig HG, Meador KG. Hitting the target: Why existing measures of “religiousness” are really measuring “secularity”. *Explore: The Journal of Science and Healing*. 2008; 4(6): 368-373. **P**
- 33 **Hall DE**, Meador KG, Koenig HG. Measuring religiousness in health research: Review and Critique. *Journal of Religion and Health*. 2008; 47(2): 134-163. **R**
This article is cited on the Wikipedia entry on “Human” beginning 2017:
<https://en.wikipedia.org/wiki/Human>
- 34 **Hall DE**. Religious Attendance: More Cost Effective than Lipitor? *Journal of the American Board of Family Practice*. 2006; 19(2): 103-9. **E**
This article was the 7th most downloaded paper in 2006 for this journal. See: The 20 Most-Frequently Read Articles in the JABFM. *Journal of the American Board of Family Practice*. Mar-April 2006 (19) 103-9.
- 35 Curlin F, **Hall DE**. Strangers or Friends? A proposal for a new spirituality-in-medicine ethic. *Journal of General Internal Medicine*. 2005; 20: 370-374. **P**
- 36 Cohen AB, **Hall DE**, Koenig HG, Meador KG. Social versus individual motivation: Implications for normative definitions of religious orientation. *Personality and Social Psychology Review*. 2005; 9:48-61. **E**
- 37 **Hall DE**, Koenig HG, Meador KG. Conceptualizing "religion": How language shapes and constrains knowledge in the study of religion and health. *Perspectives in Biology & Medicine*. 2004;47(3): 386-401. **P**
- 38 **Hall DE**, Curlin F. Can physicians' care be neutral regarding religion?. *Academic Medicine*. 2004;79:677-679. **P**
- 39 **Hall DE**, Curlin F, Koenig HG. When clinical medicine collides with religion. *The Lancet*. 2003/12/20 2003;362(1001):28-29. **P**

Published abstracts

- 1 Kennedy KA, Allsup K, Byard T, **Hall DE**. A Pilot Study: Impact of prehabilitation prior to cardiothoracic surgery to increase physical function. 34th Annual Meeting of American Association of Cardiovascular and Pulmonary Rehabilitation, September 18-21, 2019, in Portland, OR.
- 2 Borrebach, JD. Bilderback, A. Bellon, J. Wisniewski, MK. Massarweh, NN. Varley, P. Shinall, M Jr. Arya, S and **Hall, DE**. Association of Risk Assessment Index (RAI) and Operative Stress Score (OSS) with 365-Day Mortality Indicates Significantly Higher Mortality Among Frail Patients after Low, Medium and High Stress Surgery. AcademyHealth 2019 Annual Research Meeting, June 2-4, 2019, Washington, D.C.
- 3 Stern J, Arya S, **Hall DE**, Johanning JM, Trickey A, Blum K, Hawn M. Interaction of Frailty and Post-Operative Complications on Unplanned Readmission Following Elective Outpatient. American College of Surgeons 2018 Clinical Congress (October 21-25) in Boston, MA.
- 4 Schell A, Baniak L, **Hall DE**, Soose R, Strollo P. The Relationship Between Frailty and Sleep-Disordered Breathing in an Otolaryngology-Based Sleep Population. 32nd Annual Meeting of the Associated Professional Sleep Societies, June 2-6, 2018, Baltimore, MD.
- 5 Varley PR, Arya S, Youk A, Schmid KK, Johanning JM, Varley, PR, **Hall, DE**. Recalibration of the Risk Analysis Index of Frailty Significantly Improves Predictive Performance Among Surgical Patients. 42nd Annual Meeting of the Association of VA Surgeons, May 5-8, 2018, Miami Beach, FL.
- 6 Moravec B, Milanuk M, Freeman M, Grove T, Swanson H, DeVries M, Arya S, **Hall, DE**, Schmid K, Johanning. Grip strength and walk speed but not timed up and go correlate

- with total psoas area. 42nd Annual Meeting of the Association of VA Surgeons, May 5-8, 2018, Miami Beach, FL.
- 7 Varley, PR, **Hall, DE**, Ahrendt, SA, Brazovich, ME, Celebrezze, JP, Choudry, HA, Evans, S, Hogg, ME, Holder-Murray, J, Holtzman, M, Lee, KK, Marsh, W, Salgado, J, Rubin, JT, Tsung, A, Zureikat, AH, Medich DS, Geller, DA, Zeh, HJ, Bartlett, DL, Pingpang, JF. Implementation of a standardized frailty assessment identifies patients at risk for prolonged length of stay and discharge to an extended care facility. Society of Surgical Oncology Annual Cancer Symposium, March 15-18, 2018, Seattle, WA.
 - 8 Arya, S., Perez, S., Tucker, P., **Hall DE**, Johnson, TM, III., Johanning, JM. Assessment of Risk Analysis Index in Prediction of Mortality, Major Complications and Length of Stay in Vascular Surgery Patients. 2nd Annual Meeting of the Vascular and Endovascular Surgery Society, February 1-4, 2018, Vail, Colorado.
 - 9 Shah, R., Attwood, K. Arya, S., **Hall, DE**. Johanning, JM, Massarweh, NN. Impact of Frailty on Failure to Rescue After Low Risk and High Risk Inpatient Surgery. 13th Annual Academic Surgical Congress, January 31, 2018. Jacksonville, FL.
 - 10 McDonnell J, Varley, PR, **Hall, DE**, Marsh, JW, Geller, DA, Tsung, A. Comparing Frailty Scales to Guide Creation of a Multi-dimensional Assessment for Surgical Patients. 13th Annual Academic Surgical Congress, January 31, 2018. Jacksonville, FL.
 - 11 Mady LJ, Nilsen ML, Borrebach J, Albergotti WG, Hall DE, & Johnson, JT. The Role of Frailty in Assessing Mortality Inside and Outside the Operating Room (Poster Presentation). The Triological Society Combined Sections Meeting, January 18-20, 2018, Scottsdale, AZ.
 - 12 Leslie P, **Hall DE**, Wright R, Terry MA. Moral distress: dual identities of health care professionals working with people with dysphagia. 25th Anniversary Dysphagia Research Society 2017 Annual Meeting, March 2 - 4, Portland, Oregon.
 - 13 Tucker P, Flink B, Varley P, **Hall DE**, Johanning J, Clevenger C, Tomolo A, Arya S. Utilization and Standardization of a RAI-Frailty Screening Across Multi-Disciplinary Surgical Clinics: A Quality Improvement Initiative. VA Quality Scholars Summer Institute, August 2-5, 2016, Houston, Texas.
 - 14 Tucker P, Flink B, **Hall DE**, Johanning J, Clevenger C, Tomolo A, Arya S. Implementation of a RAI-Frailty Screening within a Local VA Vascular Clinic: A Quality Improvement Initiative. Poster presentation at the 3rd Annual Advancing Healthcare Quality Research at Emory University Forum, May 16th 2016 Atlanta, GA
 - 15 **Hall DE**, Purviance, G, Prelerson, J Schmid, KK, Varley, P, Arya, S, Lynch, T, Johanning, J. Preliminary validation of the Risk Analysis Index (RAI) of frailty. 40th Annual Meeting of the Association of VA Surgeons, April 9-12, 2016, Virginia Beach, VA.
 - 16 Freeman, M, Varley, P, **Hall DE**, Lynch, T, Edes, T, Schmid, KK, Arya, S, Purviance, G, Wilson, M, Malhotra, G, Johanning, J. Feasibility of a rapid, objective multi-metric frailty assessment for clinical practice settings. 40th Annual Meeting of the Association of VA Surgeons, April 9-12, 2016, Virginia Beach, VA.
 - 17 **Hall DE**, Feske U, Gao, S, Stone, R, Zhang, S, Arnold, R. The time required to review research protocols at 10 IRBs in the Veterans Health Administration. 11th Annual Academic Surgical Congress, February 2-4, 2016, Jacksonville, FL.
 - 18 Moreno JD, **Hall DE**, Antiel RM, Koski G. Ethical issues in surgical innovation and research, a panel session at the 17th Annual Meeting of the American Society for Bioethics and Humanities, October 22, 2015, Houston, TX.
 - 19 **Hall, DE**, Ling, BA, Feske, U, Gao, S, Stone, R, Zhang, S, Zickmund, S, Arnold, RM, Lidz, C. Describing the quality of review at 10 Institutional Review Boards (IRBs) in the Veterans Health Administration (VHA). 17th Annual Meeting of the American Society for Bioethics and Humanities, October 22, 2015, Houston, TX.

- 20 Johanning, JM, **Hall, DE**, Arya, S, Schmid, KK, Baser, C, Carlson, MA, Provenance, G, Bockman, T, Lynch, TG. Frailty Screening Initiative Improves Mortality at 30, 180, and 360 Days. American College of Surgeons 2015 Clinical Congress (October 4-8) in Chicago, IL.
- 21 **Hall, DE**. Practical Wisdom Provides Ethical Justification for the Negotiation and Enforcement of Surgical Buy-in. American College of Surgeons' 2015 Clinical Congress (October 4-8), in Chicago, IL.
- 22 **Hall, DE**, Ling, BA, Feske, U, Gao, S, Stone, R, Zhang, S, Arnold, RM. Systematic bias against expedited review procedures across Institutional Review Boards (IRBs) in the Veterans Health Administration (VHA). American College of Surgeons' 2015 Clinical Congress (October 4-8), in Chicago, IL.
- 23 Klune, R, Feske, U, Stone, R, Hanusa B, Gao S, Zhang S, Ling, B, Lidz, C, Switzer, G, Dobalian A, Arnold, R, **Hall, DE**. Prioritizing initiatives for institutional review board (IRB) quality improvement. 39th Annual Meeting of the Association of VA Surgeons, May 3-5, 2015, Miami Beach, FL.
- 24 Antiel, RM, Lorish, P, Bishop JP, **Hall DE**. Ethics and Emergence: The Facts of the Case. 4th Annual Conference on Medicine and Religion, March 6-9, 2015, Boston, MA.
- 25 Hall, DE, Hausmann, L, Fine MJ. Intervening equitably to eliminate health care disparities. 16th Annual Meeting of the American Society for Bioethics and Humanities, October 16-19, 2014, San Diego, CA.
- 26 Antiel, RM, Lorish, P, Bishop JP, **Hall DE**. Ethics and Emergence: The Facts of the Case. 16th Annual Meeting of the American Society for Bioethics and Humanities, October 16-19, 2014, San Diego, CA.
- 27 **Hall DE**, Hanusa BH, Stone, RA, Ling, BS, Arnold, RM. The time required for IRB review at one VA Medical Center. 38th Annual Meeting of the Association of VA Surgeons, April 6-8, 2014, New Haven, CT.
- 28 **Hall DE**, Hanusa B, Arnold, R. Documents and Discussions: Do the VA's procedure-specific informed consent documents specify the information actually discussed between surgeons and patients? **Plenary Session for Education**. Academic Surgical Congress (Feb 6, 2014), San Diego, CA.
- 29 **Hall DE**, Morrison P, Nikolajski C, Arnold RM, Fine MJ, Zickmund SL. Informed consent for inguinal herniorrhaphy and cholecystectomy: Differences between what surgeons say they discuss and what they actually do discuss. Academic Surgical Congress (Feb 5-7, 2013). New Orleans, LA. **E**
- 30 **Hall DE**, Hanusa B, Fine M, Arnold R. Telling the truth: Do the VA's procedure-specific informed consent documents specify the information actually discussed between surgeons and patients? 29th VA HSR&D National Meeting (July 16-19, 2012). National Harbor, MD. **E**
- 31 **Hall DE**, Morrison P, Nikolajski C, Fine M, Arnold R, Zickmund S. Not just for surgeons any more: iMed Consent as an early tool for informed decision making. Association of VA Surgeons 36th Annual Surgical Symposium (April 1-3, 2012). Miami Beach, FL. **E**
- 32 **Hall DE**, Hanusa B, Switzer G, Fine M, Arnold R. The impact of iMedConsent™ on patient decision making among Veterans considering cholecystectomy and inguinal herniorrhaphy. 28th VA HSR&D National Meeting (Teaming up for high VAlue care, Feb 16-18, 2011). National Harbor, MD. **E**
- 33 Thirunavakarasu P, Brewser L, **Hall DE**. (15 Minute Oral Presentation) Effectiveness of Teaching Ethics to Surgical Residents: Implementation of the ACS Ethics Curriculum. Association of VA Surgeons Annual Meeting (May 10, 2010). Indianapolis, IN. **E**
- 34 Garza MA, Chatman J, **Hall DE**, Fryer CS, Thomas SB. Examining racial differences in the association of religiousness and trust in research and participation. 137th American Public Health Association Annual Meeting (November 7-11, 2009). Philadelphia, PA. **E**

Chapters

- 1 Xu, Jun, **Hall, DE**. "Chapter 10: Ethical Considerations" in *Vascular Disease in Older Adults*, Rabih Chaer, editor. Springer: Haddonfield, NJ (2017) ISBN 978-3-319-29285-4.
- 2 **Hall DE**, Angelos P, Dunn G, Hinshaw D, Pawlik T. Ethics, Palliative Care, and Care at the End of Life. In: Brunicaardi F, Anderson D, Billiar T, et al., eds. *Schwartz's Principles of Surgery*. 10th ed. New York, NY: McGraw Hill; 2015: 1941-54.
- 3 **Hall DE**, Arnold RM, Lidz CW. Clinical aspects of consent in health care. In: Jennings B, ed. *Bioethics*. 4th ed. Farmington, Hills, MI: Macmillan Reference USA; 2014:1698-1707.
- 4 **Hall DE**, Angelos P, Dunn G, Hinshaw D, Pawlik T. Ethics, Palliative Care, and Care at the End of Life. In: Brunicaardi F, Anderson D, Billiar T, et al., eds. *Schwartz's Principles of Surgery*. 9th ed. New York, NY: McGraw Hill; 2010: 1753-67.
- 5 McDonald T, **Hall D**. Ethical Issues in the Practice of Surgical Oncology. In: Bartlett D, Neal M, Thirunuvakarasu P, eds. *Surgical Oncology: Fundamentals, Evidenced Based Approaches, and New Technology*. New Dehli: Jaypee Brothers International Medical Publishers; 2010.

Other medical publications (Articles based on philosophical analysis are marked 'P', letters to the editor are marked "L", and book reviews are marked "B".)

- 1 Morreim H, Antiel RM, Zacharias DG, **Hall DE**. Should age be a basis for rationing health care? The virtual mentor: VM. May 2014;16(5):339-347. **P**
- 2 **Hall DE**, Prochazka A, Fink AS. Response to Drs Gray and Mann. (Correspondence RE: "Informed consent for clinical treatment" Hall, et al., *Canadian Medical Association Journal* 184:533-540doi:10.1503/cmaj.112120) Published online May 10, 2012, http://www.cmaj.ca/content/184/5/533/reply#cmaj_el_704141. **L**
- 3 **Hall DE**. [Correspondence] Religious Attendance: More Cost Effective than Lipitor? *Journal of the American Board of Family Practice*. 2006; 19(4):431-3. **L**
- 4 Curlin F, **Hall DE**. Regarding Plan B: Science and politics cannot be separated. *Obstetrics and Gynecology (The Green Journal)*. 2005; 105(5):1148-50. **P**
Note that this "letter to the editor" is 1700 words long and went through the peer review process. However, the editor chose not to publish it as a refereed article due to the politically controversial subject matter.
- 5 Curlin F, **Hall DE**. Red Medicine, Blue Medicine: Pluralism and the future of healthcare. The Religion and Culture Web Forum (May 2005). The Martin Marty Institute for the Advanced Study of Religion and the University of Chicago. (<http://marty-center.uchicago.edu/webforum/052005/commentary.shtml>). **P**
- 6 **Hall DE**, Catanzaro AM, Harrison MO, Koenig HG. [Correspondence] Religion and spirituality are more than mere mysticism. *American Journal of Psychiatry*. 2004; 161(9): 1720-21. **L**
- 7 **Hall DE**, Koenig HG. Christian Science on Trial: Religious Healing in America (Book Review). *New England Journal of Medicine*. 2003;349(26):2574-2575. **P**
- 8 **Hall DE**. [Correspondence] Medicine and Religion: A response to Sloan, et. al. *New England Journal of Medicine*. 343(18):1339-1342, November 2, 2000. **L**
- 9 **Hall, DE**. "Can't Talk Now," *Yale Medicine*, Winter 1999. **P**

Presentations without published abstract:

1. McNamara LM, Okoniewski WE, Maurer SH, **Hall DE**, Moehling K, Schenker Y. "Give them the door but don't push them through it": Family Attitudes Toward Physician Led Spiritual Care. Department of Medicine Annual Research Day, University of Pittsburgh. April 30, 2019.
2. **Hall, DE**. "The UPMC Surgical Pause". Symposium for Surgical Palliative Care. Boston, MA, October 23, 2018.
3. Morales A, Fanning J, Barnato A, **Hall DE**. Practices in End of Life Care: Exploring the Contribution of Specialty Culture. Vanderbilt Research Immersion Capstone. December 14, 2017, Nashville, TN.
4. **Hall, DE**. "The Frailty Assessment: What tool(s) to use" in *The preoperative assessment and preparation of the surgical patient* (Gold, J and Spector, S, moderators). 39th Annual Meeting of the Association of VA Surgeons, May 3-5, 2015, Miami Beach, FL.
5. **Hall, DE**, Arya, S. "Current Concepts in Surgical Frailty: Systematic Review and Interventions for Frailty" Didactic Session Webinar for the Surgical Outcomes Club/Association of Academic Surgeons/Society of University Surgeons, April 23, 2015.
6. Volk, B, Volk, J, Shuman, J, **Hall, DE**. "Rendering the body in poetry, art and medicine". The 3rd Annual Conference on Medicine and Religion, Chicago, IL, March 7-9, 2014. (I served as panel moderator.)
7. Bishop, J, **Hall, DE**, VanderWeele, T, Balboni, T. Using empirical research to study religion, spirituality, and their relationship to medicine. The 3rd Annual Conference on Medicine and Religion, Chicago, IL, March 7-9, 2014. (I served as invited panel participant.)
8. **Hall DE**, Berlin, A, "Case 4" presented as part of the 2013: Ethics Colloquium: End of Life Issues in Surgery given at the Annual Meeting of the American College of Surgeons, Washington, DC, October 8, 2013.

Other theological publications

- 1 **Hall DE**. Heavier than Darkness. In R Alling and DJ Schlafer, *Preaching from Psalms, Oracles, and Parables: Sermons that Work XIV*, Morehouse Press: New York, 2006; 33-39.
- 2 **Hall DE**. Bivocational Priest: (auto)Biography of The Rev. Daniel E. Hall. *Profiles of the Life*. Episcopal Church Website, 2003. (http://ecusa.anglican.org/recruit_8111_ENG_HTM.htm?menu=menu5260).
- 3 **Hall DE**. "Stole and Stethoscope: Challenges for Formation within the Context of Bivocational Ministry" in Humphrey, Nathan, *Gathering the Next Generation : Essays on the Formation and Ministry of GenX Priests*, Morehouse: Harrisburg, PA, 2000, pp. 66-82.

PROFESSIONAL ACTIVITIES

TEACHING:

Ongoing Teaching Commitments

General Medicine Clerkship, Ethics Sessions: 2015-present.

Convene 60 minute case discussion on ethics based on student experiences during their internal medicine clerkship at the VA Pittsburgh Healthcare System.

Surgical Ethics for Residents: 2009-Present.

I am the primary faculty resource for ethics teaching in the department of surgery. In addition to regular lectures and small group sessions with the general surgery residents,

I also teach ethics for other surgical departments, including Otolaryngology, Surgical Oncology and Urology.

Specific Teaching Commitments

Medical Students

Surgical Ethics for Surgical Clerkship: 2010-18.

I taught two 90 minute Socratic method seminars on surgical ethics to those medical students rotating through their surgical clerkship. There are usually 15 students per session, and over the course of the year I teach all the 3rd year students. They prepare a written ethical analysis which I review before the session. Evaluations are consistently “outstanding” or “excellent”. Some have described it as “the best ethics sessions I have ever had”.

Breaking Bad News, April 17, 2018

A half day communication training on discussing goals of care at end of life with patients and families. Training uses standardized patients, and was offered as part of “surgery boot camp” for students accepted into surgical residencies.

FAST Advisor: 2010-2017.

Faculty and Students Together is a program for incoming first year medical students linking them to a faculty member to work together in small, informal groups to ease the transition to medical school and life as a physician. Faculty participation is by invitation based on student reviews. On average, this involves 5 first year and 2 second year students with close to 20 contact hours each year. I have been repeatedly recognized as an excellent exemplar by my students, and have been asked to return each year.

Compassion and Medicine Faculty Advisor: 2012-2014.

What began as a single student’s request to gather colleagues to discuss compassion in medicine has become a series of discussions on the topic facilitated by faculty in their homes over the course of the school year. I have hosted discussions in my house, and I have served as an advisor to the student leadership. I am delighted that the program will continue for a second year through 2014.

Compassion and Medicine, July 21, 2013.

Hosted a dinner discussion at my house with 6 medical students to discuss the broad theme of compassion in medicine (3 hours).

Directed Reading on Compassion and Medicine, Spring Term 2013.

I supervised a semester-long directed reading for the Bioethics Program (BIOETH 2902) for fourth year medical student, Timothy Depp. Together we developed a bibliography on the subject of “compassion in medicine”, reviewing and summarizing the literature with critical insight. Dr. Depp is preparing manuscripts are being prepared for publication.

Compassion and Medicine, Sep 15, 2012.

Hosted a dinner discussion at my house with 10 medical students to discuss the broad theme of compassion in medicine (3 hours).

Residents and Fellows

Best Case Worst Case, January 20, 2019

Three hour interactive session for general residents teaching essential communication skills of surgical scenario planning and breaking bad news.

Best Case Worst Case, December 11, 2018

Two hour interactive session for ENT residents teaching essential communication skills for surgical scenario planning.

Mapping The Future: Communication Skills, September 20, 2017

A half day communication training on discussing goals of care at end of life with patients and families. Training uses standardized patients.

Surgical Frailty: What is it and what can we do about it? January 23 & 30, 2017

Two 30 minute lectures at the UPMC ENT Morbidity and Mortality conference.

The Geriatric Patient: Operative VS Non-Operative Management, June 21, 2016.

60 minute lecture as part of the weekly Trauma Conference discussing the concept of frailty, its diagnosis and management in the context of trauma surgery.

Ethics for Surgical Oncologists: August 13, 2015.

90 minute lecture and small group discussion on medical ethics for the Surgical Oncology Fellowship. Topics covered included: ADs, POA, Living will, decision making capacity, informed consent, palliative care, practical wisdom.

Surgical Ethics for Residents: March 25 & April 1, 2015.

60 minute didactic and Socratic sessions on basic topics in surgical ethics.

Ethics for Surgical Oncologists: July 24, 2013.

90 minute lecture and small group discussion on medical ethics for the Surgical Oncology Fellowship. Topics covered included: ADs, POA, Living will, decision making capacity, informed consent, palliative care, practical wisdom.

Surgical Ethics for Residents: March 27, 2013.

90 minute didactic and Socratic sessions on basic topics in surgical ethics: confidentiality, truth telling, competition of interests, end of life decisions.

Surgical Ethics for Residents: December 12, 2012

90 minute didactic and Socratic sessions on basic topics in surgical ethics: informed consent, surrogate decision making, decision making capacity, and advanced directives.

Mentoring Residents in Surgical Ethics: January 2012-June 2012.

I met every week with a surgical resident for one on one Socratic method teaching on surgical ethics. Residents prepared a clinical case and learned to analyze its ethical content.

Surgical Ethics for Otolaryngology: January 18, 2012.

Taught a 90 minute session on surgical ethics for ENT residents.

Ethics for Surgical Oncologists: July 27, 2011.

90 minute lecture and small group discussion on medical ethics for the Surgical Oncology Fellowship.

Surgical Ethics: August-December 2009.

Taught a series of 4 seminars on the ethics of surgery and moral judgment to the University of Pittsburgh General Surgery Residency Program as part of the required curriculum.

Ethics Seminar for MD/PhD Students: May 19, 2009.

Taught special 2 hour seminar on the ethical issues of religion and spirituality in the context of clinical medicine. Attended by 16 MD/PhD students as part of their elective in medical ethics.

Resident Journal Club, September 2007-2009.

Weekly journal club for lab residents (PGY 4-5) reviewing and critiquing literature. 90 minutes each sessions, approximately 15 sessions total.

Anatomy and Bedside Procedures for ED Docs, September 2007.

Precepted a 3 hour session for 12 Emergency Medicine residents with fresh cadaver.

Graduate Students

Informed Consent in the Context of Palliative Care, May 22, 2019.

Invited lecturer for 2 hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

Technocracy and Virtue: Creating a Culture of Health, March-April 2018

Co-taught with Grant Martsoff an interdisciplinary lecture series and panel lecture aimed at critical appraisal of the Robert Wood Johnson "Culture of Health".

Panelists included Jeffrey Bishop, Tyler Vanderweele, and Tamara Dubowitz (April 16, 2018).

Informed Consent in the Context of Palliative Care, April 5, 2018.

Invited lecturer for 2 hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

Informed Consent in the Context of Palliative Care, May 17, 2017.

Invited lecturer for 2 hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

Informed Consent in the Context of Palliative Care, April 27, 2016.

Invited lecturer for 2 hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

Religion, Spirituality, and Health, April 20, 2016.

Invited lecturer for 2 hour seminar on the empirical and practical relationship between religion and health. Part of graduate seminar taught by Katherine Verdolini Abbot. Course number: CSD 3479, School of Health and Rehabilitation Sciences.

Session 6: Informed Consent, February 29, 2016.

Invited lecturer for 2 hour seminar on the ethics of informed consent for research, taught as part of the Institute for Clinical Research Education's required course CLRES 2050 Ethics and Responsible Conduct of Research.

Dissertation Committee for Paula Leslie. 2015-2016.

Currently serving on for Paula's committee for her dissertation project for her Masters in Bioethics degree, granted by the University of Pittsburgh Center for Bioethics and Health Law.

Informed Consent in the Context of Palliative Care, April 22, 2015.

Invited lecturer for 2 hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

IRB Efficiency and Quality: How to use Quality Improvement Methods to Inform Bioethics Inquiry, February 27, 2015

Invited lecture for a 90 minute seminar for the Fogarty Fellows visiting from China and studying at the Pitt Center for Bioethics and Health Law.

Informed Consent in the Context of Palliative Care, April 11, 2014.

Invited lecturer for 90 minute seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

Informed Consent in the Context of Palliative Care, May 15, 2013.

Invited lecturer for 90 minute seminar of issues of informed consent particular to palliative care and palliative care research (7 students). Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

Religion, Spirituality, Medicine and Research, March 30, 2010.

Invited lecturer for seminar at University of Pittsburgh School of Public Health class on racial disparities taught by Asst Professor, Mary Garza, PhD.

Religion, Spirituality, Medicine and Research, March 17, 2009.

Invited lecturer for seminar at University of Pittsburgh School of Public Health class on racial disparities taught by Asst Professor, Mary Garza, PhD.

Undergraduates

Theology and Medicine, Spring 2005.

Preceptor and lecturer for spring semester undergraduate seminar at Duke University, Durham, NC. Student load 35.

Continuing Medical Education

Mapping the Future: Communication Skills, September 6, 2017

A half day communication training on discussing goals of care at end of life with patients and families. Training uses standardized patients. Students included attending physicians from Critical Care Medicine.

Religion, Faith and Ethics in Healthcare: Third Rail or Third Rail?, April 5, 2017.

Invited lecturer for the St. Clair Hospital Ethics Program, Pittsburgh, PA..

Ethical Issues in Caring for Diverse Patient Populations, March 31, 2017.

Panel speaker for the 34th Annual Medical Ethics Update and Messer Lecture, University of Pittsburgh Center for Bioethics and Health Law, Pittsburgh, PA.

Surrogate Decision Making: Principles, Practice and Problems, September 28, 2013.

Faculty lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program, Wheeling, WV.

Informed Consent: Advanced Track, September 27, 2013.

Faculty lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program, Wheeling, WV.

Patient Autonomy and Decision Making Capacity, September 11, 2013.

Invited lecturer for Meadville Medical Center mid-day CME series contracted through the Consortium Ethics Program.

Urology Grand Rounds, Oct 10, 2012.

“Ethics, Consent, Core Competencies and Practical Wisdom” Oct 10, 2012.

Religion, faith and medicine: Third rail or third rail? Sep 11, 2012.

Invited plenary speaker to give 3 lectures over the course of the day at Altoona Regional Hospital, discussing the interface between religion and medicine as part of the University of Pittsburgh's Consortium Ethics Program.

Balancing Professional and Personal Time, October 2, 2010.

Faculty lecturer for the Association of Academic Surgeons Career Development Course, Washington, DC.

Religion, Faith and Ethics in Healthcare: Third Rail or Third Rail?, September 25, 2010.

Invited lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program, Wheeling, WV.

Decision Making Capacity: Principles, Practice and Problems, September 25, 2010.

Invited lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program, Wheeling, WV.

Theological Ramifications of Defining Death, April 16, 2010.

Panel coordinator and speaker for the 27th Annual Medical Ethics Update and Messer Lecture, “The President’s Council White Paper: Where do we go from here?” University of Pittsburgh Center for Bioethics and Health Law, Pittsburgh, PA.
Informed Consent: Past, Present and Future, March 4, 2010

Invited speaker to discuss the ethics of informed consent in the context of pediatric surgery at Children’s Hospital of Pittsburgh, Pittsburgh, PA.

Student Mentoring		
Name	Dates	Role
Jenna Caporaso, Med Student	2008-2009	Assisted in preparation of manuscript for publication; advised on applying for surgical residency
Nicole Sharilla, Med Student	2006-2009	Occasional meetings to advise on medical school and integration with religious belief
Thomas McDonald, Med Student	2008-2009	Advice on possible research careers in medicine and ethics; co-wrote chapter on ethics for surgery text.
Caroline King, college student	2009	Pre medical student interested in pediatric surgery. Advised on undergraduate career and arranged visit with me to OR
Eli Horowitz, college student	2010	Career counseling in ethics after BA and before graduate studies.
Pragatheeswar Thirunuvakarasu, MD (surgery resident)	2007-2013	Advised regarding interest in ethics; assisted with grant application for Kamangar award for teaching ethics; assisted with IRB approved research education teaching
Stephen Pichler, Med Student	2009-2012	I am serving as his faculty advisor for his medical school scholarly project on measuring the association between religious practice and several character traits among dialysis patients.
Keerat Singh, Med Student	2010-2012	Served as secondary mentor (with Dr. Matthew Rosengart) for his medical school scholarly project assessing the impact of pastoral care consults on pain after trauma.
Timothy Depp, Med Student	2012-2013	Served as mentor and faculty advisor for a medical school mini-elective “Compassion in

		Medicine". Also supervised a directed reading on
Carson Adams, Med Student	2013-2014	Faculty advisor and mentor for a longitudinal series of discussions on compassion and medicine between faculty and 3 rd and 4 th year medical students.
Patrick Varley, Surgical Resident	2015-present	Worked closely with Patrick to develop several projects aimed at assessing and intervening on surgical frailty. Published paper together on IRB efficiency.
Sydney Weil, Medical Student	2017-present	Faculty advisor for scholarly project on teaching Best Case/Worst Case Scenario Planning to surgical residents.
Benjamin Bravo, Graduate Student in Medical Ethics	2016-2019	Faculty advisor and mentor for seminar thesis and transfer to St. Louis University
Katherine Reitz, Surgical Resident	2019-present	Faculty advisor on several research projects pertaining to optimizing diabetes management in peripheral vascular disease
Ezequiel Goldschmidt, Neurosurgical Resident	2019-present	Faculty mentor on publication focused on the impact of frailty in skull-based surgery
Nitin Agarwal, Neuurosurgical Resident	2019-present	Faculty mentor on publication focused on the impact of frailty in spine surgery
Nayal Kahn, Otolaryngology Residents	2019-present	Faculty mentor on publication focused on costs of frailty in UPMC Healthplan

RESEARCH:

1. Grant Support

Current Grant Support:

VA RR&D: I21 RX-002562 (Hall)

10/1/17-9/30/20

PI, 25%

RR&D SPiRE Pilot Project

\$191,006

Pilot testing a home-based prehabilitation intervention designed to improve outcomes of frail Veterans following cardiothoracic surgery.

This single-arm pilot study will examine the feasibility of a novel, home-based, multi-faceted prehabilitation intervention aimed at improving postoperative outcomes for frail Veterans undergoing major cardiothoracic surgery. 30 frail Veterans scheduled for surgery will receive a 4-week training regimen that begins in a monitored hospital-based setting and transitions to home-based training after safety is established. Training focuses on strength, balance, inspiratory muscles and nutrition. A variety of intermediate and long-term outcomes will be assessed in preparation of a larger randomized trial to assess efficacy.

1U01TR002393-01 (Shireman) 08/1/18-07/31/21 Site-PI
 NIH/NCATS TC \$604,182
 Harnessing the Power of CTSA-CDRN Data Networks: Using Social Determinants of Health, Frailty and Functional Status to Identify At Risk Surgery Patients and Improve Risk Adjustment Using the American College of Surgeons National Surgical Quality Improvement Project to study risk adjustment in postoperative outcomes using social determinants of health, frailty and functional status. Subawards include UT Health Houston and University of Pittsburgh (two additional sites) and University of Texas Austin (statistics and predictive modeling expertise). My role is Site-PI for the University of Pittsburgh.

1UG3DK114861 (Kellum) 8/1/17-06/30/22 Co-I, 2.6%
 National Diabetes and Digestive and Kidney Diseases TC \$16,360
Phenotyping REnal Cases In Sepsis and surgery for Early Acute Kidney injury (PReCISE AKI)
 This project seeks to enroll patients with early AKI as part of the Kidney Precision Medicine Project (UG3/UH3 consortium), and in these patients aims to: (1) develop safe an ethical procedures for obtaining research kidney biopsies at the time clinically indicated laparotomy; (2) test the hypothesis that specific clinical phenotypes of AKI have differing biopsy findings; and (3) determine whether biopsy findings can predict early resolution and subsequent risk for CKD. My role is to provide ethical and surgical guidance regarding Aim 1.

R01 MD011678-01 (Borrero) 8/14/17-04/30/22 Consultant
 National Institute of Minority Health and Health Disparities (NIMHD) \$3,554,619
 Developing and Testing a Decision Support Tool for Women Making Tubal Sterilization Decisions
 The project seeks to build and test a novel, web-based decision support tool to optimize low-income women's ability to make informed and value-concordant decisions about tubal sterilization. My role is to provide expert ethics guidance regarding the decision-support tool and informed consent.

Prior Grant Support:

VA HSR&D: I21 HX-002345 (Hall) 1/1/17-9/30/18 PI, 25%
 HSR&D Pilot Project \$99,998
Pilot testing prehabilitation services aimed at improving outcomes of frail Veterans following major abdominal surgery.
 This randomized pilot study will examine the feasibility of a novel, multifaceted prehabilitation intervention aimed at improving postoperative outcomes for frail Veterans undergoing major abdominal surgery. 50 frail Veterans scheduled for surgery will be randomized to receive a 6-week long training regimen focused on strength, balance, inspiratory muscles and nutrition. A variety of intermediate and long term outcomes will be assessed in preparation of a larger randomized trial to assess efficacy.

VAHCS: XVA 72-909 (Hall) 10/1/16-9/30/18 PI, 12.5%
 VISN4 Competitive Pilot Project Fund \$49,999
Improving the perioperative care of frail Veterans considering elective surgery
 The aims of this pilot project are to (1) confirm the scientific rigor of the Risk Analysis Index (RAI) of frailty by (a) calibrating it for use in VA surgical populations; and (b) validating its performance in comparison with other risk prediction tools; and (2) identify appropriate outcome measures for surgical frailty in a convenience sample of VA

Pittsburgh patients who are identified as frail and referred for a perioperative planning consult aimed at eliciting and reporting patient hopes, fears, expectations and goals in advance of potential surgical intervention.

University of Pittsburgh (Martsolf) Provost's Year of the Healthy U Grant Technocracy and Virtue: Creating a Culture of Health Intramural funding to support an interdisciplinary lecture series and panel lecture aimed at critical appraisal of the Robert Wood Johnson "Culture of Health" initiative.	10/1/17-5/31/18	Co-I \$3,550
University of Pittsburgh (Moehling) Provost's Year of the Healthy U Grant Technocracy and Virtue: Creating a Culture of Health Intramural funding to support an interdisciplinary lecture series, grand rounds, movie screening and medical school mini-elective focused on the relationships between religion, spiritual and health.	10/1/17-5/31/18	Co-I \$4,999
University of Pittsburgh (Hall) Interdisciplinary Humanities Grants Exploring Religion and Spirituality with clinical faculty and students to provide more holistic healthcare Intramural funding to support an interdisciplinary lecture series, grand rounds, movie screening and medical school mini-elective focused on the relationships between religion, spiritual and health.	10/1/17-5/31/18	PI \$1,800
Beckwith Institute (Hall) Clinical Transformation Program <i>Measuring what matters to frail patients deciding for or against surgery</i> This intramural quality improvement project will assess the quality of decision-making and patient satisfaction among a cohort of patients identified preoperatively as frail and thus referred to an interdisciplinary preoperative evaluation center as part of an ongoing UPMC quality improvement project.	7/1/16-6/30/16 \$25,000	PI, 5%
VA HSR&D CDA 08-281(Hall) VA Career Development Award <i>Improving Surgical Informed Consent to Better Meet Patient Preference</i> This Career Development Award aims to provide additional training and mentored research aimed at developing a leadership role in the field of surgical ethics. Research supported by this CDA focuses on the process of informed consent.	7/1/10-6/30/15 \$1,471,665	PI, 75%
VA HSR&D SDR 11-399-1 (Hall) VA Research Best Practices Initiative <i>Describing Variations in IRB Efficiency, Quality and Procedures</i> This Service Directed Research Award aims to improve the quality and efficiency of VA IRB review processes by modeling the process flow at 10 VA IRBs and measuring variation in IRB efficiency and quality.	7/1/12-12/31/14 \$766,858	PI, 35% subsumed by CDA 08-281
Greenwall Foundation (Barnato) Kornfeld Program in Bioethics and Patient Care <i>Social Norms Governing ICU Triage for Critically Ill Elders with Terminal Illness</i>	2011-2012 \$95,217	Co-I, 3%

The aim of this study is to understand how clinicians triage critically ill patients with concurrent terminal illness to ICU or palliative care. Analysis techniques include qualitative coding of patient-provider interactions with mixed-method quantitative analysis of coding.

NIH: R01 GM081510-03 9/1/09-12/31/11 Co-I, 3%

VAPHS IRB#: 02822

SIS Multicenter study of duration of antibiotics for intra-abdominal infection

The aims of this multi-center trial are to determine the optimal duration of antibiotic treatment after definitive control of intra-abdominal infection. My role focused on indentifying and recruiting patients who met inclusion criteria

Eli-Lily: F1K-MC-EVDP 9/1/09-12/31/11 Co-I, 3%

VAPHS IRB#: 02848

Efficacy and Safety of Drotrecogin Alfa (Activated) in Adult Patients with Septic Shock

The aim of this study is to demonstrate that treatment with drotrecogin alfa (activated) reduces 28-day all-cause mortality in adult patients with septic shock compared with placebo. My role focused on indentifying and recruiting patients who met inclusion criteria

Sanofi-Aventis 9/1/09-12/31/11 Co-I, 3%

VAPHS IRB#: 02793

A Multinational, Multicenter, Randomized, Double Blind Study Comparing the Efficacy and Safety of AVE5026 with Enoxaparin for the Prevention of Venous Thromboembolism in Patients Undergoing Major Abdominal Surgery

The objective of the study is to compare the safety and efficacy of AVE5026 (a new ultra-low molecular weight heparin with enoxaparin in patients undergoing abdominal surgery. My role focused on indentifying and recruiting patients who met inclusion criteria

VHA Systems Redesign T21 Initiative (Hall/Monte) May-Sep 2011 PI, 5%

[no grant number available] \$63,000

IRB Approval Process Improvement Pilot VA Pittsburgh Healthcare System

The goal of this initiative is to support the development and implementation of methods aimed at improving the quality and efficiency of IRB processes at the VA Pittsburgh Healthcare System.

VAHCS: LIP 72-043 (Hall) 4/1/09-3/31/10 PI, 25%

CHERP Pilot Project Program \$31,570

Describing Different Cultural Perspectives on Surgical Informed Consent

The aims of this pilot project are to qualitatively describe patient perspectives on the standardized iMedConsent process of surgical informed consent and to examine the role of race, ethnicity, and religion in patient perspectives on the standardized iMedConsent process of surgical informed consent.

VAHCS: XVA 72-057 (Hall) 10/1/09-9/30/10 PI, 25%

VISN4 Competitive Pilot Project Fund \$49,998

Measuring Patient Perspectives on Surgical Informed Consent

The aims of this pilot project are to (1) develop a survey instrument that quantitatively measures patient perspectives on the iMed informed consent process, and then estimate the instrument's initial psychometric properties; (2) measure the distribution of patient perspectives on the iMed informed consent process in a diverse sample of

veterans who recently had a cholecystectomy or colectomy; and (3) examine whether patient perspectives on the iMed informed consent process differ between racial, ethnic, religious and age groups.

Washington University, St Louis, MO (Hall) Center for Ethics and Human Values <i>Kamangar Ethics Award</i>	2008-2009 \$2000	PI, 2%
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This grant was given competitively to general surgery residency programs to assist with the implementation of curricula in surgical ethics.

NIH Loan Repayment Program (Hall) [No grant number available]	2003-2005 \$50,000	PI, 50%
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The influence of religion on medical decision making

This competitive NIH program pays down student debt for early clinician-investigators dedicating at least 50% effort to research

2. Seminars and invited lectureships

Recognizing When to Discuss Goals of Care: Routine Risk Assessment to Drive System-Level Culture Change, Pittsburgh, PA, May 1, 2019.

Invited to give grand rounds to the Department of Plastic Surgery at the University of Pittsburgh focused on work of identifying high risk patients and improving care.
Medicine and Human Flourishing: Building systems to ensure that medical technology serves a purpose greater than mere survival, Pittsburgh, PA, April 10, 2019.

Invited to speak at the Pittsburgh Theological Seminary on matters of practical theology at the interface between church and hospital. The lecture explored the limits of contemporary medicine and emerging strategies to reorient medical care so that it more often fosters flourishing rather than mere survival.

Recognizing When to Discuss Goals of Care: Routine Risk Assessment to Drive System-Level Culture Change, Pittsburgh, PA, April 9, 2019.

Invited to keynote the annual Palliative Care Update at the Passavant Hospital Palliative and Supportive Care Institute of UPMC.

CCSQ Grand Rounds (CMS): The Surgical Pause, Baltimore, MD, December 11, 2018.

Invited with colleagues Jason Johanning and Shipra Arya to give grand rounds at CMS in Baltimore, MD presenting on our work on surgical frailty and improved perioperative care. For video of the presentation see:

<https://meetings.cms.gov/orion/playback.do?RCID=31082d476eaec9d507e1d639faa0e53c>

Grand Rounds "Surgical Frailty: A Powerful Tool for Improved Perioperative Decision Making", Omaha, NE, January 24, 2018.

Invited to speak at the University of Nebraska department of surgery regarding my work on measuring surgical frailty for the purposes of quality improvement.

Recalibration and External Validation of the Risk Analysis Index (RAI) of frailty, CCM CRISMA weekly research conference, University of Pittsburgh, October 10, 2017.

Invited to present research findings to interdisciplinary research team and graduate students.

Lunch with Kerry Egan, Family Hospice & Palliative Care, April 27, 2017

Invited respondent to Kerry Egan's presentation about her book, *On Living*, to local clergy and hospice workers.

Visiting Professor, Program for Medicine, Spirituality, and Religion, Department of Internal Medicine, Yale University School of Medicine, April 19, 2017.

Invited faculty speaker to discuss faith in the practice of medicine and surgery.
Pre-Surgical Risk Analysis Index: Identifying high risk surgical patients and building clinical pathways to optimize their care. April 18, 2017

Invited faculty speaker for the invitation-only conference on big data analytics in healthcare, *The Next Big (Data) Thing* sponsored by the Pittsburgh Health Data Alliance, a cooperative venture of UPMC, the University of Pittsburgh, and Carnegie Mellon University, Pittsburgh, PA.

Flourishing in the City: Caring for the Vulnerable and Frail. February 17, 2017

Invited faculty speaker for Jubilee Professional, an interdisciplinary conference sponsored by the Pittsburgh Leadership Foundation, Pittsburgh, PA.

Difficult ethical issues in Surgical Research. October 15, 2016

Invited faculty speaker for the Association of Academic Surgeons Fundamentals of Surgical Research course, Washington, DC.

To what end are our ethical decisions directed? April 30, 2016.

Invited keynote speaker for the 2016 Ethics Symposium at the Baptist Health System, San Antonio, TX.

Duty to Rescue? Duty to be Rescued?: What can surgeons reasonably expect from patients?, April 15, 2016.

Keynote speaker for an hour long Center Colloquium organized by the University of Pittsburgh Center for Bioethics and Health Law, Pittsburgh, PA.

Patient-centered decision making for frail patients considering elective surgery, February 24, 2016.

Invited keynote speaker for the 2016 Lehman Lecture in Medical Ethics at Allegheny College, Meadville, PA.

Faith in the Practice of Medicine: Why Religion Matters for the Decisions Physicians Face, October 10, 2014.

Invited keynote speaker for the first Medical Ethics Banquet sponsored by the Institute for Faith and Learning at Baylor University. Waco, TX.

Responding to the Call of the Sick: Religious Traditions and Health Professions Today, May 23-25, 2012.

Invited plenary faculty to present on the question "Is Medicine a Spiritual Vocation?" and to lead a conference Eucharist. Chicago, IL.

The Veritas Forum at Mayo Clinic, April 12-13, 2012

Invited respondent to two papers presented by Nigel Biggar, Regius Professor of Moral and Pastoral Theology, Christ Church, Oxford University. Papers included "Why religion deserves a place in secular medicine" and "Should doctors ever kill?" Rochester, MN.

Informed Consent to Inguinal Herniorrhaphy and Cholecystectomy: Attitudes, Practices and Preferences of Patients and Surgeons at the VA Pittsburgh, March 13, 2012.

Invited presenter at the weekly Health Services Research Seminar Series sponsored by the Center for Research on Health Care, VA Center for Health Equity Research and Promotion, and RAND-University of Pittsburgh Health Institute, Pittsburgh, PA.

Practice and Profession Symposium, November 10, 2011

Invited respondent to papers presented as part of an interdisciplinary working group seeking to express what it would mean to situate the practice of medicine in the context of a good life, Chicago, IL.

Hospitals, Hospitality and the De/Re-Moralization of Medicine: What Faith Communities Can Contribute to Healthcare Even When "Religion" Doesn't "Work", October 27, 2009.

Sixth annual lecture of the Sister Alice Potts Endowed Lecture Series of the Division of Cancer Medicine Grand Rounds at MD Anderson, Houston, TX.

Whose Outcomes? Which Notion of Health?, October 17, 2009
 Panel member speaking at the Annual Meeting of the American Society for Bioethics and Humanities in Washington, DC. The talk addressed how religious and theological traditions may inform normative understandings of the proper ends and scope of medical practice.

Religion, Spirituality and the Clinical Encounter, June 13, 2007.
 Keynote speaker at the “Vincent DeStefano Memorial Lecture”, Memorial Hospital, South Bend, IN.

The Limits of Standard Bioethics: Removing the straightjacket of autonomy, May 16, 2007.
 Invited speaker at the both the “Surgical Ethics Conference” and the “Seminar of Religion and Health” at the Maclean Center for Ethics and the Department of Surgery, University of Chicago, Chicago, IL.

Conceptualizing religion and spirituality in religious coping, December 5, 2006.
 Invited speaker at the conference “Faith and Health: Interdisciplinary Conference on the Dynamics of Religious Coping”, Notre Dame University, South Bend, IN.

Religion and Health: Theological limits and concerns, October 28, 2006.
 Chair of ninety minute symposium presented at the annual meeting of the American Society of Bioethics and Humanities, Denver, CO.

The Limits of Standard Bioethics: Removing the straightjacket of autonomy, June October 10, 2006.
 One of four speakers in the two hour panel session “Finding Clinical Perspective When No One Wants To Quit: Who is Needed, What is Needed?” moderated by GP Purcell and GP. American College of Surgeons Annual Clinical Congress, Chicago, IL.

Formation, Flourishing and Friendship with God, June 22, 2006.
 Panel Commentator, Religion and Health Research Panel: Implications for Health Ministries at the Health Ministries Association per conference, Duke University, Durham, NC

Limits of the data, June 23-22, 2006.
 Invited speaker at the conference on “Religion and Health”, Duke University, Durham, NC.

Remember that you are dust: Idealism and idolatry in medicine, March 12, 2006.
 Keynote speaker at Trinity Church, Warwick, NY.

Science, ethics and religion: Reclaiming the physician’s responsibility to offer moral counsel to patients, February 18, 2006.
 One of three keynote speakers for the CME course “Can the practice of medicine be distinctively Christian?” offered by the CMDA in Chicago, IL.

Why measures of religiousness may not be what they claim to be, September 10-15, 2005.
 One of four speakers for a 90 minute symposium of “Religion and Old Age Psychiatry” at the XIIIth World Congress of Psychiatry, Cairo, Egypt.

Reclaiming the moral agency of medical practice, August, 2005.
 Sixty minute talk for the department of surgery at Children’s Hospital of Pittsburgh.

Religion, medicine and health: Fashionable, formidable or flakey?, April 2005.
 Keynote speaker at Christ Church, Raleigh, NC.

Strangers or Friends? A proposal for a new spirituality-in-medicine ethic, 30 March 2005.

Keynote speaker at the Family Practice grand rounds and at the William Temple Dialogue on Spirituality and Healthcare Dialogue, Galveston Medical Centers, Galveston, TX.

Can anyone really measure religion? Conceptual and theological challenges for the empirical study of religion, Dec, 2004.

Keynote speaker for the Theology and Medicine Seminar offered by the Center for Spirituality, Theology and Health, Duke University, Durham, NC.

Religion, medicine and health: Fashionable, formidable or flakey?, April 2004.

Keynote speaker at the religion and health seminar of the University of Chicago School of Medicine, Chicago, IL.

Lenten forum on faith and health, March 2004.

Four evening sessions dealing with the science and theology of the faith and health movement presented at the Church of the Holy Family, Chapel Hill, NC.

Religion and medicine: The extent and limits of the data, March, 2004.

Research seminar presented at the Department of Surgery, UPMC, Pittsburgh, PA.

Religion and health: Fashionable, formidable or flakey?, January 2004.

Two consecutive adult education sessions on faith and health at the Church of the Holy Family, Chapel Hill, NC.

Faith and health: State of the science and future directions, 2/7/2003.

Keynote speaker for a CME Seminar in Integrative Medicine. UNC Chapel Hill, NC
Order of St. Luke, missioner for the Pittsburgh chapter's annual meeting, 2001.

Lead a full day retreat and lecture entitled "The role of 'healing' in modern medicine." The Order of St. Luke is an interdenominational association of lay and ordained ministers who engage in healing ministries.

Calvary Episcopal Church, Lenten Forum, Pittsburgh, 2001.

Delivered the first of four lectures assembled to address the relationship between medicine and religion, spirituality, and the Church.

Holy Trinity Church, Lenten Forum, Oxford, OH, 2000.

Lectured and preached at this university parish on the nature of bivocational ministry and the integration of secular work with spiritual vocation.

Forum on the experience of clinical medicine, founder and facilitator, Yale Medical School, 1998.

Organized and lead a monthly series of discussions for third year medical students which encouraged participants to reflect broadly on their own social and moral growth as physicians while seeking to develop both the compassion necessary for quality patient care and the communication skills necessary for effective work with colleagues.

Health and spirituality conference, steering committee, New Haven, CT, 1997-1998.

Involved with the planning and implementation of a two day conference sponsored by the Albert Schweitzer Institute for the Humanities, and the Program for Humanities in Medicine at Yale.

Seminarians interacting, facilitator, 1997; student coordinator, 1996, New York, NY.

Facilitated small groups during a one week intensive workshop on inter-faith dialogue for select seminary students from Christian, Jewish and Islamic traditions.

3. Other research related activities

RESEARCH PRESENTATIONS

1. Hall, DE. Faculty respondent for abstract "Surrogate Consent for Surgery Forecasts Early Do-Not-Resuscitate Orders and High Mortality" by Sanjay

Mohanty, et al at the American College of Surgeons Clinical Congress, October 6, 2015, Chicago, IL

2. **Hall, DE.** Improving Care and Decision Making for Frail Veterans Considering Elective Surgery. GRECC Noon Conference, VA Pittsburgh, October 2, 2015.
3. **Hall, DE.** Examining medical ethics through the lens of health services research, VA HSR&D Cyber Seminar (National), February 10, 2015.
4. **Hall, DE.** Quality and Efficiency of IRB Review Across 10VA IRBs, January 13, 2015.
Invited to present research findings to the Nationwide Bi-Monthly Teleconference of the VA Office of Research Oversight (Virtual Meeting).
5. **Hall, DE.** Quality and Efficiency of IRB Review Across 10VA IRBs, September 5, 2014.
Invited to present research findings to the Field Advisory Committee of the VA Office of Research Oversight. Arlington, VA.
6. **Hall, DE.** Describing IRB Efficiency, Quality and Procedures: An interim report. October 9, 2013.
Invited to present a formal progress report to the VA Office of Research and Development

ETHICS LEADERSHIP

2013 Kamangar Ethics Club. Invited to participate in a leadership forum for surgical ethics sponsored by the Center for Ethics and Human Values at Washington University, St. Louis, MO.

PEER REVIEW

1. Journal of Religion and Health	Editorial Board and Reviewer	2003-Present
2. Academic Medicine	Reviewer	2003-2013
3. Duke Center for Theology, Spirituality and Health	Grant Reviewer	2007
4. J of American Board of Family Medicine	Reviewer	2006
5. Medical Journal of Australia	Reviewer	2006
6. Archives of Surgery	Reviewer	2007
7. Cambridge Quarterly of Healthcare Ethics	Reviewer	2008
8. CHEST	Reviewer	2009
9. Psychology Health and Medicine	Reviewer	2009
10. International Journal of Psychology and Religion	Reviewer	2009
11. Annals of Internal Medicine	Reviewer	2009
12. University of Notre Dame Press	Reviewer	2010
13. Social Science and Medicine	Reviewer	2010
	Reviewer	2010

14. J of Am College of Surgeons	Reviewer	2011
15. Am. Family Physician	Reviewer	2011-present
16. J Surgical Research	Reviewer	2012-present
17. Am J Surgery	Reviewer	2013-present
18. JAMA Surgery	Reviewer	2014-present
19. J Am Geriatric Society	Reviewer	2015-present
20. BMC Medical Ethics		

MEDIA CONTACTS

MOVIE

Full Disclosure: The Search for Medical Error Transparency, 2015 documentary by film maker, Laurence Kramen. I was interviewed at length and appear in the final cut of the film. <https://www.youtube.com/watch?v=EvZld7GnCj8>

Full Disclosure Out-takes: What is informed consent? Video discussion of the nature and limits of informed consent in the context of clinical care. <https://www.youtube.com/watch?v=-piiLxqgh9E>

TELEVISION

WPXI-TV, 4/9/06, "Attend church, live longer".
 KSHV-TV, 4/6/06, "Weekly attendance of religious services can extend a person's life."
 KDKA-TV, 4/4/06, "Could Attending Church Let you live longer," http://kdka.com/seenon/local_story_094184722.html#.
 MSNBC-TV, *Tucker Carlson Show*, 4/3/06 live interview for 3 minutes.

RADIO

Reach MD/XM 5/07/2008 "-----".
 KFBX-FM, 6/28/06, "Want to feel better? Make some friends."
 KVKI-FM, 6/28/06, "Want to feel better? Make some friends."
 KRBC-NBC *Morning*, 4/10/06 6:02:AM, Radio Report.
 KRBC-NBC 4/9/06 5:00PM, Radio Report.
 WESC-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."
 WRZX-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."
 WMGP-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."
 KCDA-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."
 KODA-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."
 WFBQ-FM, 4/5/06, "Weekly attendance of religious services can extend a person's life."

WAAX-AM, 4/5/06, "Weekly attendance of religious services can extend a person's life."
KSYU-FM, 4/5/06, "Weekly attendance of religious services can extend a person's life."
KQV Radio with PJ Maloney, 4/4/06, 4 minute live interview rebroadcast throughout day.
KGO Radio with Alan Ray, 4/4/06, 4 minute live interview for the San Francisco Bay area.
KDKA Radio 4/3/06, interview with Lisa Alexander rebroadcast throughout the day.
KSL-AM Radio, 4/4/06, "Study finds church-goers live longer."
USA Radio Network, 4/4/06, "Attend church, live longer"
Metro Networks (radio) 4/3/06 30 seconds live repeated throughout the country.

INTERNATIONAL RADIO

BBC Radio Stokes, "Sunday Breakfast", Lamont Howie, extended interview 4/30/06.
Radio Shalom (Montreal), 4/19/06, Eloise Cohen, "Les pratiques religieuses bonnes pour la sante" (15 minute interview).

NATIONAL AND LOCAL PRESS

HealthLeaders Media "[Frailty Index Helps Cut Readmissions, ICU Stays](#)", April 2018
A **UPMC** program that helps patients "prehabilitate" in preparation for elective surgery is helping reduce postoperative mortality, complications, readmissions, and longer ICU stays.

Journal of Clinical Pathways "Frailty Screening May Improve Outcomes For Older Surgical Patients," Jan/Feb 2017.
<http://www.journalofclinicalpathways.com/article/frailty-screening-may-improve-outcomes-older-surgical-patients>

Managed Health Care "Frailty Screening May Cut Mortality in Older Elective Surgery Patients," 13 Dec 2016. <https://medicalxpress.com/news/2016-12-frail-patients-tailored-cardiac-european.html>

MedicalXpress "Frail patients should have tailored cardiac rehabilitation says European experts," 12 Dec 2016.
<http://www.managedhealthcareconnect.com/content/frailty-screening-may-cut-mortality-older-elective-surgery-patients>

EurekAlert "Frail patients should have tailored cardiac rehabilitation says European experts," Sophia Antipolis, 12 Dec 2016.
<http://ct.moreover.com/?a=28904717723&p=1pl&v=1&x=d7VqeLISkZIWgaR-R9QHZA>

Medscape "Preoperative Frailty Screening Initiative Reduces Mortality," 02 Dec 2016.
<http://ct.moreover.com/?a=28798129182&p=1pl&v=1&x=JsmFIE4WFzptkp7XFS7sKg>

Pittsburgh Business Times "Five things to know today, and workers comp costs down in PA," 01 Dec 2016. <https://www.bizjournals.com/pittsburgh/news/2016/12/01/five-things-to-know-today-and-workers-comp-costs.html>

Physician's Briefing "Frailty Screening Initiative Cuts Mortality After Surgery," 01 Dec 2016. <http://ct.moreover.com/?a=28788779431&p=1pl&v=1&x=e88I9mTi-TJbnouMd5r-MQ>

Doctors Lounge “Frailty Screening Initiative Cuts Mortality After Surgery,” 01 Dec 2016. <http://www.doctorslounge.com/index.php/news/pb/68296>

Medical Research “Frailty Screening Can Predict Postoperative Survival,” 01 Dec 2016. <https://medicalresearch.com/author-interviews/frailty-screening-can-predict-postoperative-survival/30059/>

The Medical News “Use of frailty screening initiative before surgery associated with reduced risk of death,” 01 Dec 2016. <https://www.news-medical.net/news/20161130/Use-of-Frailty-Screening-Initiative-linked-to-reduced-risk-of-postoperative-mortality-and-illness.aspx>

DG News “Use of Frailty Screening Initiative Before Surgery Associated With Reduced Risk of Death,” 30 Nov 2016. <http://dgnews.docguide.com/use-frailty-screening-initiative-surgery-associated-reduced-risk-death>

News Medical “Use of Frailty Screening Initiative linked to reduced risk of postoperative mortality and illness,” 30 Nov 2016. <https://www.news-medical.net/news/20161130/Use-of-Frailty-Screening-Initiative-linked-to-reduced-risk-of-postoperative-mortality-and-illness.aspx>

The JAMA Network “A Call for Frailty Screening in the Preoperative Setting,” 30 Nov 2016. <http://jamanetwork.com/journals/jamasurgery/fullarticle/2587471>

Reading Eagle “Frailty screening brings better results after surgery, study says,” Jill Daly, 30 Nov 2016. http://ct.moreover.com/?a=28777216328&p=1pl&v=1&x=esxrqS-4o1ZCKIOvDQ_p5Q

MedicalXpress “Use of frailty screening initiative before surgery associated with reduced risk of death,” 30 Nov 2016. <http://www.readingeagle.com/ap/article/frailty-screening-brings-better-results-after-surgery-study-says&template=mobileart>

Pittsburgh Post-Gazette “Aging Edge,” Jill Daly, 30 Nov 2016. <http://www.post-gazette.com/aging-edge/aging-edge-reports/2016/11/30/Frailty-screening-brings-better-results-after-surgery-study-says/stories/201611300172>

EurekAlert! “Use of frailty screening initiative before surgery associated with reduced risk of death,” 30 Nov 2016. http://ct.moreover.com/?a=28774819405&p=1pl&v=1&x=z2YQB0fwl_NAlvdrF5jzd_w

News Coverage Report, January 2016
Frailty and Mortality After Noncardiac Surgery in Elderly Individuals, [by Johanning et al.](#)
[Study: Frailty in seniors raises mortality risk related to elective surgery](#), Chicago Tribune
[Frail Seniors Face Increased Death Risk After Surgery, Study Suggests](#), U.S. News & World Report
[Frail Seniors Face Increased Death Risk After Surgery, Study Suggests](#), Philly.com

Washington Post: April 15, 2015
 Interviewed about recent JAMA article on religion and health.
<https://www.washingtonpost.com/news/acts-of-faith/wp/2016/05/16/another-possible-benefit-of-going-to-worship-services-a-33-percent-chance-of-living-longer/>

VA HSR&D. “Spotlight: Palliative and Hospice Care Research”. *HSR&D Monthly Features: November* [online]. 2014. Accessed Nov 24, 2014.

Consultant 360, “Pre-op frailty screening linked to decreased mortality, 9/16/2014”, by James E. Barone MD [Reuters Health].
<http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=>

0CCUQFjAB&url=http%3A%2F%2Fwww.consultant360.com%2Fstory%2Fpre-op-frailty-screening-linked-decreased-mortality&ei=X1aPVPD3FO3GsQS73YHAAw&usg=AFQjCNEyC6eNDLb4uBo9QowDNLkW02RAqA&sig2=zPtYQvYvOkq9JdAlsZVCPQ&bvm=bv.81828268,d.cWc

VA *Pittsburgh Website*, "VA Study: Pre-Surgical Palliative Care Benefits Frail Patients", 10/15/2014

"<http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CB4QFjAA&url=http%3A%2F%2Fwww.pittsburgh.va.gov%2Fpressreleases%2F2014%2Fpre-surgical-palliative-care.asp&ei=81SPVom3KNalsQTtmlCwDg&usg=AFQjCNEhWEZe6LQ0aM ulEyNCbHmfoWraxQ&sig2=QXg40gx13BB5NTcLFL5x7g&bvm=bv.81828268,d.cWc>"

St. Louis Today, "Going to church helps you live longer," John Morley, 4/30/09.

Time Magazine, "The biology of belief", Jeffrey Kluger, 2/23/09.

Catholic News Service, "The Benefits of Going to Church," Maureen Pratt, 8/21/06.

Observer-Reporter, "Regular church attendance helps increase life span, study shows", 5/4/06.

The Washington Post, "Exercising, Religiously", 4/18/06.

<http://www.foxnews.com/story/0,2933,190369,00.html>.

Pittsburgh Tribune Review, "In God they trust", Rob Amen, 4/16/06, p. 1 (above fold).

Post-gazette.com, 4/16/06, "In church, not only the soul is exercised."

The Knoxville News-Sentinel, "Going to church may help you live healthier longer", 4/15/06.

Pittsburgh Post-Gazette, "Long live the company we keep," 4/12/06.

The Star Ledger, "Weekly religious attendance could extend a person's life expectancy," 4/11/06.

Science and Theology News, "The Daily Dose: Live long and worship," Matt Donnelly, 4/11/06, <http://www.stnews.org/commentary-2778.htm>.

Catholic Online, "Mass health? Religious attendance adds years to life, cost effective study reveals", 4/10/06,

http://www.catholic.org/national/national_story.php?id=19384.

Press of Atlantic City, "Church may help you live longer," 4/8/06.

The Daily Item, "Those who focus on life after death may live longer," 4/8/06.

The Boston Globe, "Regular church attendance linked with longer life," Scott Allen 4/7/06,

http://www.boston.com/news/globe/health_science/articles/2006/04/10/ants_are_millions_of_years_older_than_once_thought/.

Agape Press, "Commentary and News Briefs" Bill Fancher 4/7/06,

<http://headlines.agapepress.org/archive/4/72006h.asp>.

Scripps Howard News Service, "Want to feel better? Make some friends," Lee Bowman, 4/5/06,

http://www.shns.com/shns/g_index2.cfm?action=detail&pk=MEDICAL-04-05-06.

Scripps Howard News Service, "Going to church may help you life longer," Joe Fahy, 4/5/06,

http://www.shns.com/shns/g_index2.cfm?action=detail&pk=LONGLIFE-FAITH-04-05-06.

Playfuls.com, "Churchgoing May Increase Life Expectancy," 4/5/06,
http://www.playfuls.com/news_00631_Churchgoing_May_Increases_Life_Expectancy.html.

LifeSite.net, "Churchgoers live longer," Terry Vanderheyden, 4/5/06,
<http://www.lifesite.net/ldn/2006/apr/06040508.html>.

World Peace Herald, "Study/Churchgoers live longer", 4/4/06,
<http://www.wpherald.com/storyview.php?StoryID=20060404-102550-9084r>

WorldNetDaily, "Testing the faith: Episcopa priest/doctor says go to church, live longer," 4/4/06,
http://worldnetdaily.com/news/article.asp?ARTICLE_ID=49582.

ChristianPost.com, "Study Finds Attending Church Adds Years to Life", Audrey Barrick, 4/4/06, <http://www.christianpost.com/article/20060404/4126.htm>.

Science Daily, "Weekly religious attendance nearly as effective as statins and exercise in extending life", 4/4/06.

The Post Chronicle, "Study finds church-goers live longer", 4/4/06,
http://worldnetdaily.com/news/article.asp?ARTICLE_ID=49582.

Pittsburgh Post-Gazette, "Church may help you life longer," 4/4/06.

FoxNews.com, "Study: Churchgoing can add years to your life", Rob Roy Britt, 4/4/06,

Washington Times, "Churchgoing correlated to longevity", Jennifer Harper, 4/4/06, <http://washingtontimes.com/national/20060403-103809-9183r.htm>.

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LiveScience.com "Churchgoers Live Longer" Robert Roy Britt, 4/3/06

Time, Paul P. The Power to Uplift. 2005 (Jan 17): A46-48.

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Academic Physician and Scientist. "Religion In Medicine is Not "Neutral"". 2004; (September):6.

American Medical News "Body and soul: When faith guides a doctor's vocation" by M. Croasdale, Dec 24/31, 2007. (Extensive interview regarding bivocational work as surgeon-priest.)

Time "The biology of belief" by Jeffrey Kluger, Feb 12, 2009.

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<https://www.aerzteblatt.de/nachrichten/71768/Gebrechlichkeit-Screening-kann-Sterblichkeit-nach-Operationen-senken>

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<http://news.bbc.co.uk/2/hi/health/4876666.stm>.

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<http://www.dailyindia.com/show/14234.php/Study-finds-church-oers-live-longer>
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http://www.ibnlive.com/article.php?id=7773§ion_id=17
- United Press International*, "Study find church-goers live longer," 4/4/06.
- The Jerusalem Post*, "Attendance at religious services may increase life expectancy," George Conger, 4/5/06
<http://www.jpost.com/servlet/Satellite?pagename=JPost%2FJPArticle%2FShowFull&cid=1143498799939>.
- St Petersburg Times (Russia)*, "Believers live longer", 4/7/06,
<http://headlines.agapepress.org/archive/4/72006h.asp>.

CURRENT RESEARCH INTERESTS

- Frailty in Elective Surgery: I am interested in how the syndrome of frailty can be used to identify patients at greatest risk for perioperative morbidity and mortality, and leveraging that information to support and improve the perioperative decision making for these patients. I am particularly interested in how preoperative palliative care consultation can improve decision-making and outcomes through explicitly negotiated and documented surgical buy-in, time limited trials and overarching goals of surgical therapy. I am also investigating ways to prehabilitate frail patients before surgery to mitigate frailty-associated risks.
- IRB Efficiency and Quality: How can IRB review procedures be organized more efficiently while maintaining adequate protections to institutions, researchers and participants? How can IRB review quality be measured? How might IRB committees focus their deliberations on substantive ethical judgment rather than mere regulatory compliance?
- Ethics of Informed Consent: I am interested the ways in which the current doctrine of informed consent, based on patient autonomy, does not describe or serve the preferences or best interest of patients in the clinical context. This research builds on continuing work that critiques the standard, principlist approach to bioethics.
- Medical Decision Making and the Clinical Encounter: I am interested in examining the secular and religious influences that shape the moral imagination of both physicians and patients, and I am interested in the role these formative influences play in the clinical encounter and in medical decision making. This research builds on continuing work that examines the associations between religious belief and practice and various health outcomes.
- Theology and Medicine: In what ways, and under what circumstances is it appropriate for theology to interface with the practice of medicine? Patients living through illness confront large questions of meaning and value. Many patients frame their worldview in terms of religious and theological traditions. How is it possible and/or appropriate to incorporate these perspectives in the clinical context?

SERVICE

1. University, Medical School, and Veterans Health Administration

COMMITTEE MEMBERSHIP

2015-2018

Field Advisory Committee

	Office of Research Oversight Veterans Health Administration Washington, DC
2008-2017	Institutional Review Board VA Pittsburgh Healthcare System Pittsburgh, PA
2005-2012	Ethics Committee UPMC Presbyterian, Pittsburgh, PA
2005-2007	Residency Committee UPMC Presbyterian General Surgery, Pittsburgh, PA
2009-2010	Program Committee 27 th Annual Medical Ethics Update Center for Bioethics and Health Law University of Pittsburgh Pittsburgh, PA
2010-2014	Clinical Pastoral Education Professional Advisory Group VA Pittsburgh Healthcare System Pittsburgh, PA

SERVICE PROJECTS

2008	General Surgery Order Sets Developed a comprehensive set of admission and postoperative orders for use with CPRS in the VA Pittsburgh. Tasked with this project to address system issue of compliance with VTE prophylaxis.
2011	General Surgery Order Sets Revised the comprehensive set of admission and post operative orders to accommodate new priorities for VTE prophylaxis and standardized colorectal post operative care.
2012	Telemetry Criteria Taskforce Worked with an interdisciplinary group to develop criteria continuous cardiac telemetry for use at the VA Pittsburgh Healthcare System.
2012	Patient Engagement Project Team Worked with an interdisciplinary group at UPMC to develop tools for engaging patients in the decision making process for surgery. Group convened by Amy Ranier, Director, UPMC Patient Experience Communications.
2013	Advance Directive Planning Taskforce

Worked with an interdisciplinary group to develop a systems approach to better implementation and planning around advance directives and end of life decision making.

2015

PEACEFUL-ESI

Established a quality improvement initiative called the PEACEFUL-ESI (**P**Atient-Centered **C**are for the **F**raiL—**E**lective **S**urgery **I**ntervention). The initiative is aimed at identifying frail patients scheduled for elective surgery and optimizing their perioperative care by supporting their decision making, arranging appropriate palliative care consultation and establishing clinical practice guidelines for intraoperative optimization.

2015

Online Risk Assessment Index (RAI)

Established a quality improvement initiative that provides access to an online frailty calculator accessible from any web browser behind the VA firewall. The initiative is initiated at Pittsburgh, but open to any interest VA Medical Center, and sites from Nebraska, Georgia and Tennessee are currently enrolling.

2. Community Activities

Assisting Episcopal Priest, First Lutheran Church, Pittsburgh, PA

I teach, preach and lead worship on a regular basis throughout the year, assisting the senior pastor as needed with leadership within the parish.

Pilgrim Africa

I served from 2012-2018 as Secretary on the Board of Directors of this transnational charity (United States 501c3 and Ugandan NGO) dedicated to fostering hope in Uganda by eradicating malaria, educating former child soldiers, and developing sustainable agribusiness.

3. Professional Development

Seminar of Colleagues: 2004-present

I meet with 8 other clergy colleagues every six months for a 3 day retreat aimed at mutual mentorship and accountability. Colleagues include parish priests, a bishop, cathedral deans, and the Chief Information Officer of the Church Pension Group.