

Curriculum Vitae

Name: Michael G. Richardson
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Education

09/1981 - 06/1985 B.A. in Biochemistry from Cornell University, Ithaca, NY United States
06/1985 - 06/1989 M.D. from Pritzker School of Medicine, University of Chicago, Chicago, IL United States

Training

07/1989 - 06/1990 Diploma in Internal Medicine from University of Maryland Medical System, Baltimore, MD United States
07/1990 - 06/1993 Diploma in Anesthesiology from The Johns Hopkins Hospital, Baltimore, MD United States

Licensure and Certification

03/1990 - Present National Board of Medical Examiners (NMBE) United States (376345)
07/1990 - 09/1993 Medical License, State of Maryland of Maryland United States (D40364)
07/1993 - 11/2003 Medical License, New York State of New York United States (192736)
04/1994 - Present Boards, American Board of Anesthesiology, Diplomate [Voluntary Recertification, 05/18/2002] United States (24034)
01/2000 - 06/2002 IRB Certification, University of Rochester Human Subjects Protection Program of New York United States (12990105)
05/2002 - Present Medical License, Tennessee State of Tennessee United States (36431)
04/2007 - Present IRB Certification, Vanderbilt University IRB Human Subjects Training, CITI of Tennessee United States (960913)
07/2015 - 07/2017 AHA Basic Life Support
09/2015 - 09/2017 AHA Advanced Cardiac Life Support

Academic Appointments

07/1993 - 06/1994 Senior Instructor of Anesthesiology, Anesthesiology, University of Rochester School of Medicine & Dentistry, Rochester, NY (Rochester, New York)
07/1994 - 10/2000 Assistant Professor of Anesthesiology, Anesthesiology, University of Rochester School of Medicine & Dentistry, Rochester, NY (Rochester, New York)
10/2000 - 06/2002 Associate Professor of Anesthesiology, University of Rochester School of Medicine & Dentistry, Rochester, NY
07/2002 - 06/2008 Associate Professor, Vanderbilt University (Nashville, Tennessee)
07/2006 - 06/2010 Master Clinical Teacher, Anesthesiology, Vanderbilt University Medical Center, Nashville, TN (Nashville, Tennessee)
07/2008 - 06/2019 Associate Professor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)
12/2018 - Present Professor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)

Hospital Appointments

07/1993 - 06/2002 Attending Anesthesiologist, Anesthesiology, Strong Memorial Hospital, Rochester, NY (Rochester, New York)
07/1994 - 06/2002 Attending Anesthesiologist, Anesthesiology, Lattimore Community Surgicenter (Rochester, New York)
07/2002 - Present Attending Anesthesiologist, Anesthesiology, Vanderbilt University Medical Center, Nashville, TN (Nashville, Tennessee)
02/2007 - 02/2009 Attending Anesthesiologist, Nashville Surgery Center, Nashville, TN (Nashville, Tennessee)

Other Work Experience

07/2002 - 03/2004	Director, Division of Multispecialty Anesthesiology, Anesthesiology, Vanderbilt University Medical Center, Nashville, TN (Nashville, Tennessee)
07/2004 - 06/2009	Director, Education Research, Anesthesiology, Vanderbilt University Medical Center, Nashville, TN (Nashville, Tennessee)
06/2009 - 06/2012	Director of Education Development, Anesthesiology, Vanderbilt University Medical Center, Nashville, TN (Nashville, Tennessee)
07/2010 - 07/2018	Director, Obstetric Anesthesiology Fellowship Program, Anesthesiology, Vanderbilt University Medical Center (Nashville, Tennessee)
02/2017 - Present	Tennessee State Maternal Mortality Review Committee [per TN - HB1757], Division of Family Health and Wellness, TN Department of Health (Nashville, Tennessee)

Professional Organizations

1990	American Society of Anesthesiologists (ASA)
1990 - 2001	American Society of Regional Anesthesia (ASRA)
1990 - 2004	International Anesthesia Research Society (IARS)
1993 - 2002	NY State Society of Anesthesiologists (NYSSA)
1994 - 2004	Society for Obstetric Anesthesia & Perinatology (SOAP)
1998 - 2007	Society for Education in Anesthesia (SEA)
2003	Tennessee Society of Anesthesiologists (TSA)
2006 - 2013	Association for Medical Education in Europe (AMME)
2010 - 2020	Society for Obstetric Anesthesia & Perinatology (SOAP)
2016 - 2017	American Medical Association (AMA)
2020 - 2020	Association of University Anesthesiologists

Professional Activities

Intramural

1993 - 1994	Quality Improvement Committee, University of Rochester Department of Anesthesiology, Member
1994 - 1994	Ad Hoc Committee on Recommendations for Promotion in the D-Track, University of Rochester Department of Anesthesiology, Member
1994 - 2002	Clinical Competence Committee, University of Rochester Department of Anesthesiology, Member
1994 - 2002	Resident Selection Committee, University of Rochester Department of Anesthesiology
1995 - 1998	Technical Assessment Committee, University of Rochester Department of Anesthesiology, Member
1995 - 2002	Information Systems Group Committee, University of Rochester Department of Anesthesiology, Member
1997 - 1998	Ad Hoc Committee on Recommendations for Faculty Peer Evaluation and for Resident Evaluation, University of Rochester Department of Anesthesiology, Member
1998 - 1998	Ad Hoc Committee on Anesthesia Consent, University of Rochester Department of Anesthesiology, Member
1998 - 1999	Clinical Practices Committee, University of Rochester Department of Anesthesiology, Member
1998 - 2000	Resident Education Committee, University of Rochester Department of Anesthesiology, Member 1998-2002; Chair 1998-9, 2000-02, Member & Chair
1998 - 2002	Executive Committee, University of Rochester Department of Anesthesiology, Member
1998 - 2002	Anesthesiology Core Residency Program, University of Rochester Department of Anesthesiology, Program Director
1998 - 2002	Graduate Medical Education Committee, University of Rochester School of Medicine & Dentistry, Member
1999 - 1999	Department Retreat – Resident Education, University of Rochester Department of Anesthesiology, Retreat Director
1999 - 1999	Resident Appeal Committee, University of Rochester School of Medicine & Dentistry, Office of Graduate Medical Education), Chair
2000 - 2000	Internal Review Committee (Emerg Med), University of Rochester School of Medicine & Dentistry, Office of Graduate Medical Education), Chair

2000 - 2000	Internal Review Committee (Ped Emerg Med), University of Rochester School of Medicine & Dentistry, Office of Graduate Medical Education, Chair
2000 - 2002	Web Advisory Committee, University of Rochester Department of Anesthesiology, Member
2001 - 2002	Promotions Committee, University of Rochester Department of Anesthesiology, Member
2001 - 2002	Vice Chair for Education, University of Rochester Department of Anesthesiology
2002 - 2003	Perioperative Enterprise Committee, Vanderbilt University Medical Center, Member
2002 - 2003	Main Operating Room Committee, Vanderbilt University Medical Center, Co-Chair
2002 - 2003	Resident Selection Committee, Anesthesiology, Member
2002 - 2004	QUIC – Quality Improvement Committee, Anesthesiology, Member
2002 - 2004	Executive Committee, Anesthesiology, Member
2002 - 2008	Anesthesiologist-in-Charge (AIC), Anesthesiology
2002 - 2010	Clinical Competence Committee, Anesthesiology, member
2002 - 06/2013	Resident Education Committee, Anesthesiology, Member
2003 - 2006	Resident Selection Committee, Anesthesiology, Interviewer
2004 - 2004	Departmental Faculty Retreat, Anesthesiology, Retreat Co-Leader, Education Issues
2006 - 2010	Master Clinical Teacher, Vanderbilt University School of Medicine
2007 - 2009	Undergraduate Medical Education Curriculum Committee, Year One Team, Vanderbilt University School of Medicine, Member
04/2007 - Present	Vanderbilt University Academy for Teaching Excellence, Vanderbilt University School of Medicine, https://medschool.vanderbilt.edu/aet/ , Founding Member
2008 - 2008	Resident Selection Committee, interviewer, Anesthesiology, Interviewer
2010 - 06/2019	Peri-partum Quality Improvement Committee, Obstetrics & Gynecology, Standing monthly meeting, elevation of cases for review, participation in case review, development of improvement initiatives, member
01/2011 - Present	Fellowship Program Selection Committee, Anesthesiology, Chair
09/2011 - 2013	Postpartum Hemorrhage Task Force, Obstetrics & Gynecology, member
07/2013 - 02/2018	Program Evaluation Committee, Anesthesiology, member
07/2014 - 07/2020	Fellowship Program Evaluation Committee, Anesthesiology, Chair
07/2014 - 07/2020	Fellowship Program Clinical Competence Committee, Anesthesiology, Member
2015 - 2016	Obstetric Hemorrhage Task Force, Obstetrics & Gynecology, Collaborative inter-professional committee (OB/MFM, nursing, midwifery, and blood bank leadership) to develop postpartum hemorrhage protocol, for approval by OB Patient Care Committee, then implementation, member
01/2016 - 10/2016	Anesthesiology In-Room Provider Work Flow Task Force, Anesthesiology, Member

Extramural

1998 - 1998	Reviewer for J Educ Periop Med
1999 - 1999	Reviewer for Anesthesia & Analgesia
1999 - 1999	Reviewer for Anesthesiology
2008 - 2008	Reviewer for Anesthesia & Analgesia
10/2010 - 2013	Wellness Task Force, American Society of Anesthesiologists, member
2013 - 2013	Reviewer for Anesthesia & Analgesia
2014 - 2014	Reviewer for Anesthesia & Analgesia
2016 - 2016	Reviewer for Anesthesia & Analgesia
2017 - 2017	Reviewer for Anesthesia & Analgesia
2018 - 2018	Reviewer for Regional Anesthesia & Pain Medicine
02/2018 - 07/2018	Reviewer for Anesthesia & Analgesia
05/2018 - 01/2020	SOAP Education Committee, Anesthesiology, member
07/2018 - 07/2018	Reviewer for Journal of Clinical Anesthesia
08/2020 - 08/2020	Reviewer for Anesthesia & Analgesia

Teaching Activities

09/1993 - 09/1993	OB Anesthesia Subspecialty Resident Conference: Section Frenzy -- Management of Anesthesia for Emergent Cesarean Delivery, Presenter, Rochester, NY, 24 Sep 1993
09/1993 - 09/1993	CA-1 Core Didactic Series: Renal and Hepatic Considerations for Anesthesia, Presenter, Rochester, NY, 1 Sep 1993

10/1993 - 10/1993 Resident Core Conference: Capnography--Not Just Another Pretty Waveform, Presenter, Rochester, NY, 5 Oct 1993

11/1993 - 06/1994 Monday Morning Resident Case Conference: Anesthetic Considerations for Abdominal Aortic Aneurysm Repair, Instructor, Rochester, NY, 11-1-93, 6-6-94

11/1993 - 05/2000 Obstetric Anesthesia Didactic series: Obstetric Anesthesia Subspecialty Rotation Didactic Series, Instructor, University of Rochester, Daily 30-min morning Obstetric Anesthesia Didactic series; trainees assigned to Obstetric Anesthesiology Rotation; recurring fundamental subspecialty topics per formal schedule; small group I personally delivered approx. 60 per year

02/1994 - 02/1994 OB Anesthesia Subspecialty Resident Conference: The Morbidly Obese Patient for Cesarean Section, Presenter, Rochester, NY, 25 Feb 1994

05/1994 - 05/1994 OB Anesthesia Subspecialty Resident Conference: Anesthetic Considerations for Completion Dilatation and Curettage, Presenter, Rochester, NY, 27 May 1994

07/1994 - 07/1994 CA-1 Core Lecture Series: Autonomic Nervous System - Implications for the Anesthesiologist, Instructor, University of Rochester, 7-18-1994

07/1994 - 07/1994 CA-1 Core Dialectic Series: Anesthesia Machine Check, Workshop Instructor, University of Rochester

10/1994 - 05/2002 Mock Oral Board Examinations: Mock Oral Board Examinations, Instructor, University of Rochester, Mock Oral Board Examinations, semiannually, 1994 to 2002

11/1994 - 01/1995 Medical Students Airway Management Workshop: Airway Management Workshop, Instructor, University of Rochester, 11-14-94, 1-9-95

05/1995 - 05/1995 Resident Core Lecture Series: Fetal effects of maternally administered drugs, Instructor, University of Rochester, 5-3-95

05/1995 - 05/1995 Resident Core Lecture Series: Anesthetic considerations in obesity, Instructor, University of Rochester, 5-16-95

07/1995 - 07/1995 CA-1 Core Lecture Series: Autonomic Nervous System - Implications for the Anesthesiologist, Instructor, University of Rochester, 7-19-1995

08/1995 - 08/1995 Resident Core Didactic Series: Update on local anesthetics and opioids for OB anesthesia and analgesia, Instructor, Rochester, NY, 29 Aug 1995

08/1995 - 08/1995 CA-1 Core Lecture Series: Neuraxial Anesthesia (Subarachnoid and Epidural), Instructor, University of Rochester, 8-2-1995

10/1995 - 11/1995 Advanced Clinical Track Faculty Conference: The parturient with mitral stenosis, Instructor, University of Rochester, 10-11-95, 11-22-95

12/1995 - 1995 Senior Resident Airway Workshop: Airway anesthesia, retrograde intubation techniques, and cricothyroidotomy, Workshop Instructor, Rochester, NY, 12-2-95

07/1997 - 07/1997 CA-1 Core Lecture Series: Neuraxial Anesthesia (Subarachnoid and Epidural), Instructor, University of Rochester, 7-29-1997

08/1997 - 08/1997 Resident Core Lecture Series: Fetal and Neonatal Effects of Maternally Administered Drugs, Instructor, University of Rochester, 8-4-1997

06/1998 - 07/2001 Simulation: Amniotic Fluid Embolism; Severe Preeclampsia: Obstetric Anesthesia Crisis Simulation, Instructor, University of Rochester, Simulator sessions: Management of Amniotic Fluid Embolism; anesthesia for stat cesarean in severe preeclampsia; fundamentals of general anesthesia (new residents). 2-3/month, Jun 1998 - Jun 2000; 1/month, Aug 2000 - mid-2001

07/1998 - 07/1998 CA-1 Core Lecture Series: Neuraxial Anesthesia (Subarachnoid and Epidural), Instructor, University of Rochester, 7-28-1998

07/1998 - 06/2002 Pre-op Rounds Resident Seminar: Pre-op Rounds, Director & Instructor, University of Rochester, Weekly AM seminar; trainees present selected cases from day's list, faculty facilitated in-depth discussion of key clinical management issues; I developed/implemented in 1998, moderated most sessions, recruited/mentored other faculty facilitators

08/1998 - 08/1998 Resident Core Curriculum: Fetal and Neonatal Effects of Maternally Administered Drugs, Instructor, University of Rochester, 8-3-1998

08/1998 - 09/1998 Resident Core Curriculum: Autonomic Nervous System I, II, Instructor, University of Rochester, Aug 31, Sep 1, 1998

12/1998 - 02/1999 Resident Core Curriculum: Local Anesthetics - Structure & Function I, II; Toxicity; New Drugs (Ropivacaine, I-Bupivacaine), Instructor, University of Rochester, Local Anesthetics - Structure and Function I, II - Dec 22 & 23, 1998 - Local Anesthetics - Toxicity - 1-26-99 - Local Anesthetics - New Drugs (Ropivacaine, I-Bupivacaine) - 2-1-99

06/1999 - 06/1999 CA-1 Core Lecture Series: Autonomic Nervous System; Local Anesthetics, Instructor, University of Rochester, June 13

09/1999 - 09/1999 Resident Airway Workshop: Invasive Airway Approches; Fiberoptic Intubation, Instructor, University of Rochester, Retrograde Wire; Cricothyrotomy; Fiberscope Sep 15 & 17, 1999

09/1999 - 09/1999 Resident Core Curriculum Conference: The Autonomic Nervous System I, II, Instructor, University of Rochester, September 7 & 8, 1999

07/2000 - 04/2001 Senior Presentations Course: Senior Presentations Course, Director & Instructor, University of Rochester, 14 seminars on topic selection, abstract writing, oral presentation, slides/poster, med informatics, critiquing skills; Format: faculty-facilitation, small group learning; Incl: presentations to Dept (Feb) & Midwest Anesth Resident Conf (Mar)

10/2000 - 11/2000 Anesthesiology Resident Core Didactic Series 2000-01: Pharmacology of Inhalation Anesthesia I, II, III, Instructor, Rochester, NY, Oct 31, Nov 1, 7

10/2000 - 04/2001 Critical Reading Skills Course: Critical Reading Skills, Director & Instructor, University of Rochester, 15 seminars to teach & master critical reading skills as applied to medical literature. Reigelman RK. Studying a study, testing a test: how to read the medical evidence, and applying principles to examples from medical literature.

05/2001 - 05/2001 Anesthesiology Resident Core Didactic Series 2000-01: Anesthesia for the Geriatric Patient, Instructor, Rochester, NY, May 2

06/2001 - 06/2001 Anesthesiology Resident Core Didactic Series 2000-01: Spinal Lidocaine and TNS, Instructor, Rochester, NY, June 13

07/2001 - 07/2001 CA1 Core Seminar Series 2001: "Pre-Flight Check" / Perioperative Communication, Director & Instructor, Rochester, NY, Jul 18

07/2001 - 07/2001 CA1 Core Seminar Series 2001: CA1 Orientation Program / Workshops, Director & Instructor, Rochester, NY, 9 hour orientation program with workshops, July 3

07/2001 - 10/2001 CA1 Core Seminar Series 2001: Anesthesia Systems I & II - workshops, Director & Instructor, Rochester, NY, Two 2 hour workshops, Jul 6 & 9

07/2001 - 10/2002 OMFS Introductory Experience in Anesthesiology Curriculum: OMFS Introductory Experience in Anesthesiology, Course Director, University of Rochester, 4-month intensive intro experience, integrated into anesthesiology resident education pgm, in addition to a continuing experience for senior OMFS residents. This curriculum contributed to full accreditation of OMFS program without citations.

07/2001 - 10/2014 Drug Abuse Prevention Program: Anesthesiology Resident Drug Abuse Prevention, Director/Instructor, My Home, Annually, hosted at my home all residents new to training program & significant others, to view Wearing Masks: Potential for Drug Abuse in Anesthesia, followed by a facilitated discussion. Attendance required, groups of 6-9, 2-3 sessions each summer

08/2001 - 05/2001 CA1 Core Seminar Series 2001: Neuromuscular Blockers, Director & Instructor, Rochester, NY, Aug 1

08/2001 - 08/2001 Simulation of Critical Events: Simulation of Critical Events, Director & Instructor, Rochester, NY, Aug 6 - "Patient's Moving!" Aug 7 - Hypoxemia Aug 8 - Hypertension & Tachycardia

09/2001 - 09/2001 Anesthesiology Resident Core Didactic Series 2001-02: Autonomic Nervous System I, II, III, Instructor, Rochester, NY, Sep 18, 19, 21

09/2001 - 12/2001 Critical Reading Skills Course: Critical Reading Skills Course, Course Director & Instructor, Rochester, NY, 9 seminars to teach & master critical reading skills as applied to medical literature. Reigelman RK. Studying a study, testing a test: how to read the medical evidence, and applying principles to examples from medical literature.

09/2001 - 04/2002 Senior Presentations Course: Senior Presentations Course, Instructor, University of Rochester, Seminars on topic selection, abstract writing, oral presentation, slides/poster, med informatics, critiquing skills; Format: faculty-facilitation, small group learning; Incl: presentations to Dept (Feb) & Midwest Anesth Resident Conf (Mar)

10/2001 - 10/2001 Anesthesiology Resident Core Didactic Series 2001-02: Ethics in Anesthesiology I - Surgeon Pushes Ahead without Legal Consent, Instructor, Rochester, NY, Oct 24

11/2001 - 11/2001 Anesthesiology Resident Core Didactic Series 2001-02: Ethics in Anesthesiology II - Plagiarism, Instructor, Rochester, NY, Nov 7

04/2002 - 04/2002 Anesthesiology Resident Core Didactic Series 2001-02: Arterial Waveform Analysis and Perioperative Assessment of Volume Status, Instructor, Rochester, NY, Apr 23, 24

08/2002 - 12/2002 Critical Reading Skills Course: Critical Reading Skills Course, Director & Instructor, Light Hall 4th floor, Eight-seminar series to teach & master critical reading skills as applied to medical literature. Reigelman RK. Studying a study, testing a test: how to read the medical evidence, and applying principles to examples from medical literature.

09/2002 - 08/2003 Vanderbilt 4th Year Med Student Anesthesiology Conf: Pulmonary Considerations in Anesthesiology, Instructor, VUMC, Recurring monthly, Sep 2002 - Aug 2003

01/2003 - 01/2003 Resident Journal Club: "Oxygen", Instructor, Light Hall 4th floor, Jan 21, 2003

02/2003 - 02/2003 CA3 Board Exam Review Series: Obstetric Anesthesia, Instructor, Light Hall 4th floor, Feb 24, 2003

03/2003 - 03/2003 Departmental Education Conference: 2D Simulation and Web Based Instructional Programs "GasMan, Instructor, VUMC, "2D Simulation and Web Based Instructional Programs "GasMan®" Mar 28, 2003

05/2003 - 05/2003 CA3 Board Exam Review Series: Anesthesia for Otolaryngology & Ophthalmology, Instructor, Light Hall 4th floor, May 8, 2003

07/2003 - 07/2003 Resident Core Didactic Conference: Neuromuscular Physiology, Pharmacology, & Monitoring, Instructor, Vanderbilt University Medical Center, 03-29-04

07/2003 - 07/2003 CA1 Core Seminar Series: Anesthesia Delivery Systems, Instructor, Light Hall 4th floor, July 2

07/2003 - 07/2003 CA1 Core Seminar Series: Geriatric Physiology & Pharmacology, Instructor, Light Hall 4th floor, July 30

07/2003 - 12/2007 Anesthesiology Life Long Learning Conference, Instructor, Vanderbilt University School of Medicine, Number of Sessions: 2003: 55 2006: 139 2004: 127 2007: 26 2005: 149 2008: 18

08/2003 - 08/2003 Vanderbilt 4th Year Med Student Anesthesiology Conf: Inhaled Anesthetics - Uptake and Distribution, Instructor, Light Hall 4th floor, Aug 2003

08/2003 - 06/2011 Mock Oral Board Examinations: Mock Oral Board Examinations, Instructor, VUMC, Mock Oral Board Examinations, semiannually, 1994 to present (exceptions: winter '02, spring '03, spring '06, winter '07, spring '09, winter '10)

06/2004 - 07/2004 CA1 Core Seminar Series: Neuromuscular Blockers & Monitoring, Instructor, VUMC, June 24 & July 9

07/2004 - 07/2004 CA1 Core Seminar Series: Anesthesia Delivery Systems" (lecture and workshop), Instructor, VUMC, Two 1 1/2 hour flipped classroom / experiential, interactive sessions. Each session: half in OR with anesthesia machine, half in classroom. June 8 & July 21

10/2004 - 10/2004 Airway Management Workshop 2004: Airway Management Workshop 2004, Faculty Mentor & Workshop Instructor, VUMC, Sole mentor for 2 CA3 residents. Project planning: spring 2004. Pre-workshop needs assessment; curriculum devpt; dept presentation (Oct 8); two 2-hour workshops (Oct 11 & 18), teaching by faculty & industry reps; post-workshop survey. (repeated 2005, 2006)

11/2004 - 11/2004 Resident Core Conference: Volatile Anesthetics: Uptake & Distribution, and Mechanisms of Action, Instructor, VUMC, 11-15-04

01/2005 - 01/2005 Resident Core Conference: Neuromuscular Physiology, Pharmacology, & Monitoring, Instructor, VUMC, 1-17-05

07/2005 - 07/2005 CA1 Core Seminar Series: Anesthesia Delivery Systems" (lecture & workshop), Instructor, VUMC, Two 1 1/2 hour flipped classroom / experiential, interactive sessions. Each session: half in OR with anesthesia machine, half in classroom. July 8, 13

07/2005 - 07/2005 CA1 Core Seminar Series: Anesthesia for the Elderly, Instructor, VUMC, July 1

07/2005 - 07/2005 CA1 Core Seminar Series: The Autonomic Nervous System, Instructor, VUMC, July 15

06/2006 - 07/2006 CA1 Core Seminar Series: Anesthesia Delivery Systems" (lecture & workshop), Workshop Instructor, 2301A VUH & VOR, Two 1 1/2 hour flipped classroom / experiential, interactive sessions. Each session: half in OR with anesthesia machine, half in classroom. June 7, 9

07/2006 - 06/2009 Master Clinical Teacher Mentoring Program: Master Clinical Teacher Advisory Groups, Group Session Leader; one-on-one mentoring, var, Quarterly group mtgs (7-8 students) during 3rd yr clerkship intersessions; 1:1 mentoring mtgs; addressed professionalism, ethics, humanism, wholeness; quarterly written reflection pieces, feedback, group sharing; I created weblog for ongoing discussion.

09/2006 - 09/2006 Resident Core Didactic Series: Introduction to the Resident Mentoring Program, Co-Instructor, VUMC, with colleague, Susan Eagle, MD Sep 11, 2006

01/2007 - 06/2010 Master Clinical Teacher Clinical Transaction Project:: Assessment, Management, & Meaning of Pain, Course Director, Instructor, PACU; Conference Rooms, 14 sessions over 3 1/2 yrs, 6 students/quarter. Readings (3 articles; pain inventories; sedation scale) & curriculum (objectives; study

guide) in advance. Hands on mentored pre-/post-op group clinical experience, 1½ hr didactics, group reflection session.

06/2007 - 06/2007 CA1 Core Seminar Series 2007: Anesthesia Delivery Systems (lecture & workshop), Instructor, Vanderbilt University School of Medicine, CA1 Core Seminar Series 2007, Anesthesia Delivery Systems (lecture & workshop) June 25 2007

06/2007 - 06/2007 CA1 Core Seminar Series: Pain II Opioid Tolerance, Induced Hyperalgesia, and PCA Safety, Instructor, VUMC, June 25

08/2007 - 08/2007 Resident Core Didactic Series: Mechanisms of Opioid-/Nociception-Induced Hyperalgesia & Opioid-Tolerance, Instructor, Vanderbilt University School of Medicine

08/2007 - 08/2007 Resident Core Didactic Series: Dealing with Hyperalgesia & Tolerance: NMDA Receptor Antagonists (Methadone & Ketamine), Instructor, Vanderbilt University School of Medicine

09/2007 - 09/2007 Faculty Development: Titrated Supervision: Matching Guidance to Learner Need, Instructor, Vanderbilt University School of Medicine, Faculty Development, Titrated Supervision: Matching Guidance to Learner Need – 9-20-07

09/2007 - 09/2007 Resident Core Didactic Series: Autonomic Nervous System, Instructor, Vanderbilt University School of Medicine, Sep 10 2007

09/2007 - 09/2007 Resident Core Didactic Series: Venous Excess v Venous Return, Instructor, Vanderbilt University School of Medicine, Autonomic Nervous System, Venous Excess v Venous Return, Sept 11 2007

09/2007 - 09/2007 Resident Core Didactic Series: Perioperative Bradycardia & Asystole: What's the Physiologic Explanation?, Instructor, Vanderbilt University School of Medicine, Autonomic Nervous System, Perioperative Bradycardia & Asystole: What's the Physiologic Explanation?, Sep 12 2007

10/2007 - 10/2007 Resident Core Didactic Series: Respiratory Function & Anesthesia: Fundamentals, Instructor, Vanderbilt University School of Medicine, Oct 1 2007

10/2007 - 10/2007 Resident Core Didactic Series: Respiratory Function & Anesthesia: Apnea, Gas-Exchange Physiology, & Atelectasis, Instructor, Vanderbilt University School of Medicine, Respiratory Function & Anesthesia, Apnea, Gas-Exchange Physiology, & Atelectasis, Oct 2 2007

11/2007 - 11/2007 Departmental M&M Conference: Insights into Perioperative Vision Loss, Instructor, Vanderbilt University School of Medicine, Departmental M&M Conference, Insights into Perioperative Vision Loss - 11-30-07

01/2008 - 01/2008 Departmental M&M Conference: Phenylephrine Toxicity & Acute Renal Failure: The Role of Communication & Systems in Two Adverse Outcomes, Instructor, Vanderbilt University School of Medicine, Departmental M&M Conference, Phenylephrine Toxicity & Acute Renal Failure: The Role of Communication & Systems in Two Adverse Outcomes – 1-25-08

02/2008 - 02/2008 4th Year Medical Student "Capstone" Lecture: Top Ten Strategies for Surviving Internship & Fulfilling your Ethical Obligation to Alleviate Pain, Instructor, Vanderbilt University School of Medicine, 4th Year Medical Student "Capstone" Lecture: "Top Ten Strategies for Surviving Internship & Fulfilling your Ethical Obligation to Alleviate Pain", Feb 8 2008

03/2008 - 05/2008 Resident Core Didactic Series: The Endocrine System & Anesthesia: Adrenal Gland: Cortical Suppression & Medullary Chaos, Instructor, Vanderbilt University School of Medicine, The Endocrine System & Anesthesia, Adrenal Gland: Cortical Suppression & Medullary Chaos, Mar 25 2008

03/2008 - 05/2008 Resident Core Didactic Series: The Endocrine System & Anesthesia: Insulin Resistance: State-of-the-Art Knowledge, Instructor, Vanderbilt University School of Medicine, The Endocrine System & Anesthesia, Insulin Resistance: State-of-the-Art Knowledge, Mar 26 2008

03/2008 - 05/2008 Resident Core Didactic Series: The Endocrine System & Anesthesia: Tight Periop Glycemic Control – Yes or No?, Instructor, Vanderbilt University School of Medicine, The Endocrine System & Anesthesia, Tight Periop Glycemic Control – Yes or No?, Mar 27 2008

05/2008 - 05/2008 Resident Core Didactic Series: Aging & Anesthesia: MAC & Analgesic Requirements, and Pain Perception, Instructor, Vanderbilt University School of Medicine, Aging & Anesthesia, MAC & Analgesic Requirements, and Pain Perception, May 5 2008

05/2008 - 05/2008 Resident Core Didactic Series: Aging & Anesthesia: Mechanical Factors in Arterial Aging, Instructor, Vanderbilt University School of Medicine, Aging & Anesthesia, Mechanical Factors in Arterial Aging, May 7 2008

05/2008 - 05/2008 Resident Core Didactic Series: Aging & Anesthesia: Cognitive Reserve & Post-operative Cognitive Dysfunction, Instructor, Vanderbilt University School of

Medicine, Aging & Anesthesia, Cognitive Reserve & Post-operative Cognitive Dysfunction, May 8 2008

06/2008 - 06/2008 CA1 Core Seminar Series 2008: Pulmonary Physiology, Instructor, VUMC, 06-05-2008

06/2008 - 06/2008 CA1 Core Seminar Series 2008: Anesthesia Delivery Systems, Instructor, 2301A VUH & VOR, Two 1 1/2 hour flipped classroom / experiential, interactgve sessions. Each session: half in OR with anesthesia machine, half in classroom. 06-11-2008 & 06-17-2008

06/2008 - 06/2008 CA1 Core Seminar Series 2008: Anesthesia Machine Checkout Assessments, Instructor, VUMC, 06-25-2008

08/2008 - 08/2008 Medical Education Faculty Development Seminar Series: Courage to Teach: The Heart of a Teacher – Identity & Integrity, Instructor, VUMC, 08-13-2008: Medical Education Faculty Development Seminar Series - Six-part series of 1-hr seminars; advance preparation/materials; for faculty, fellows, and advanced residents; focused on principles of learning & teaching

10/2008 - 08/2008 Medical Education Faculty Development Seminar Series: Feedback & Teaching: Where the Rubber Hits the Road, Instructor, VUMC, 10-31-2008: Mini-workshop - Six-part series of 1-hr seminars; advance preparation/materials; for faculty, fellows, and advanced residents; focused on principles of learning & teaching

10/2008 - 10/2008 Medical Education Faculty Development Seminar Series: Feedback & Teaching: The Role of Feedback in Anesthesiology Training, Instructor, VUMC, 10-08-2008: Six-part series of 1-hr seminars; advance preparation/materials; for faculty, fellows, and advanced residents; focused on principles of learning & teaching

11/2008 - 11/2008 Medical Education Faculty Development Seminar Series: Assessment & Competence: Integrally & Inextricably Bound, Instructor, VUMC, 11-12-2008: Six-part series of 1-hr seminars; advance preparation/materials; for faculty, fellows, and advanced residents; focused on principles of learning & teaching

01/2009 - 01/2009 Medical Education Faculty Development Seminar Series: Titration of Guidance, Instructor, VUMC, 01-14-2009: Six-part series of 1-hr seminars; advance preparation/materials; for faculty, fellows, and advanced residents; focused on principles of learning & teaching

01/2009 - 12/2009 Daily Obstetric Anesthesia Morning Didactic Conference: Various Curriculum Topics, Instructor, VUMC

03/2009 - 01/2009 Neuroscience Course: Opioid Pharmacology, Instructor, VUMC, 03-08-2009: Medical Student Year 2 Neuroscience Course – Mar 8 [One of Three 1-hour sessions]

03/2009 - 01/2009 Neuroscience Course: The Meaning of Pain & the Neuromatrix, Instructor, VUMC, 03-08-2009: Medical Student Year 2 Neuroscience Course – Mar 8 [Two of Three 1-hour sessions]

03/2009 - 01/2009 Neuroscience Course: A Rational Approach to Pain Management, Instructor, VUMC, 03-08-2009: Medical Student Year 2 Neuroscience Course – Mar 8 [Three of Three 1-hour sessions]

03/2009 - 03/2009 Medical Education Faculty Development Seminar Series: The Nature of Expertise & Conceptions of Knowledge, Instructor, VUMC, 03-11-2009: Six-part series of 1-hr seminars; advance preparation/materials; for faculty, fellows, and advanced residents; focused on principles of learning & teaching

04/2009 - 08/2009 Resident Core Didactic Series: The Endocrine System & Anesthesia, Instructor, VUMC, 04-15-2009

05/2009 - 05/2009 Resident Core Didactic Series: Aging & Anesthesia, Instructor, VUMC, 05-19-2010 and 05-21-2010

06/2009 - 06/2009 Medical Education Faculty Development Seminar Series: Teaching & Assessing New Residents: All Components Revealed, Instructor, VUMC, 06-10-2009: Six-part series of 1-hr seminars; advance preparation/materials; for faculty, fellows, and advanced residents; focused on principles of learning & teaching

06/2009 - 06/2009 CA1 Core Seminar Series 2008: Anesthesia Delivery Systems, Instructor, 2301A VUH & VOR, Two 1 1/2 hour flipped classroom / experiential, interactgve sessions. Each session: half in OR with anesthesia machine, half in classroom. 06-08-2009 and 06-12-2009

06/2009 - 06/2009 CA1 Core Seminar Series 2008: Anesthesia Machine Checkout Assessments, Instructor, VUMC, 06-24-2010

07/2009 - 08/2009 CA1 Summer School: 25 Various Seminars, Director & Instructor, VUMC, Anesthesiology Summer School Series: Director & faculty facilitator 3-4 days/week http://people.vanderbilt.edu/~michael.g.richardson/June_Intro/Summer_School_2009.html

09/2009 - 09/2009 Medical Education Faculty Development Seminar Series: Direct from Málaga: The Best of AMEE, Instructor, VUMC, 09-09-2009

11/2009 - 11/2009 Medical Student Year 1 – Patient, Profession, and Society: The Roles of Medical Mishaps: Patient, Physician, & System Perspectives, Instructor, VUMC, 11-23-2009

12/2009 - 12/2009 Medical Education Faculty Development Seminar Series: Workplace Learning: Determining Competence & Entrustability of Independent Clinical Practice, Instructor, VUMC, 12-09-2009

01/2010 - 12/2010 Daily Obstetric Anesthesia Morning Didactic Conference: Various Curriculum Topics, Instructor, VUMC

03/2010 - 12/2010 The Healer's Art: Five 3-hour seminars, Instructor, Vanderbilt Center for Integrative HealthUMC, Mar 17 - Apr 14, 2010 Co-taught by Drs. Roy Elam (course director), Joyce Johnson, Keith Hagan, & Cathy Stallworth Based on Rachel Naomi Remen's nationally recognized curriculum http://www.commonweal.org/ishi/programs/healers_art.h

05/2010 - 05/2010 Medical Education Faculty Development Seminar Series: Summer 2010 CA1 Program, Instructor, VUMC, 05-05-2010

06/2010 - 06/2010 CA1 Core Seminar Series 2008: Physics & Math for Anesthesiologists, Instructor, VUMC, 06-04-2010

06/2010 - 06/2010 CA1 Core Seminar Series 2008: Anesthesia Delivery Systems – I, Instructor, VUMC, 06-08-2010: Anesthesia Delivery Systems I - Llectures & Workshops

06/2010 - 06/2010 CA1 Core Seminar Series 2008: Anesthesia Delivery Systems II, Instructor, VUMC, 06-14-2010: Anesthesia Delivery Systems II - Llectures & Workshops

06/2010 - 06/2010 CA1 Core Seminar Series 2008: Anesthesia Machine Checkout Assessments, Instructor, VUMC

07/2010 - 07/2010 Medical Education Faculty Development Seminar Series: Assessment Day: Capturing Performance with Reliability, Instructor, VUMC, 07-10-2010

07/2010 - 07/2010 Medical Education Faculty Development Seminar Series: Proposed 2010 ACGME Supervision Requirements: Are the Goals of Resident Education & Healthcare Quality Compatible?, Instructor, VUMC, 07-14-2010

07/2010 - 08/2010 CA1 Morning Rounds Conference 2010: 20 Seminars, Summer 2010, Director & Instructor, VUMC, Anesthesiology Morning Rounds conference: Director & faculty facilitator 3 days/week (total approx. 20, Jul & Aug 2010) http://people.vanderbilt.edu/~michael.g.richardson/LLLC%202010/Summer_School_2010.html

07/2010 - 06/2011 OB Anesthesia Morning Conference 2010-11: 49 teaching contact hrs, 2010-11, Instructor & Director, 4203 VUH

07/2010 - 12/2011 OB Anesthesiology Case Based Assessment (CBA): 38 contact hours, 2010-11, Director & Faculty Assessor, 4107 VUH, Residents select & fully develop complex case, prepare materials, formally present/discuss. Eval by 2 assessors. I provide 10-15 min pre-CBA mentoring session for each resident. http://people.vanderbilt.edu/~michael.g.richardson/OB%20Anesth/OB_CBA.html

08/2010 - 12/2010 Vanderbilt Visions: 30 contact hours of teaching, Faculty VUceptor, Sutherland House (Commons) & Other, 10 hrs of pre-course training, plus weekly class prep with student VUceptor partner. Full description: <http://commonplace.vanderbilt.edu/visions>

08/2010 - 06/2011 Anesthesiology Learning Teams: 7 1-hr morning sessions, 2010-11, Faculty Facilitator, Light Hall, Monthly group (5-6 residents) mentoring sessions, focus on clinical & professional issues of relevance to trainees.

09/2010 - 06/2011 Intro to Anesthesiology: 18 1-hr classes, 2010-11, Director & Instructor, 4101 vuh, Conduct of 3 classes per 4-wk rotation, plus direction (sched faculty presenters & clinical preceptors, monitor progress) of this CBY introductory clinical anesthesiology rotation, Sep - May.

10/2010 - 10/2010 Medical Education Faculty Development Seminar Series: Learning for Today or Tomorrow? Pedagogies for Conceptual Understanding & for Inquiry, Innovation, and Improvement – Part I, Instructor, Vanderbilt University School of Medicine, 10-13-2010

11/2010 - 11/2010 Medical Education Faculty Development Seminar Series: Learning for Today AND Tomorrow: Pedagogies for Conceptual Understanding & for Inquiry, Innovation, and Improvement – Part II, Instructor, Vanderbilt University School of Medicine, 11-10-2010

12/2010 - 12/2010 Medical Education Faculty Development Seminar Series: Anesthsleaziology, Barbarians, & Disruption: How we got here, our role in all of this, and our response, Instructor, Vanderbilt University School of Medicine, 12-08-2010

01/2011 - 04/2011 2011.SPR.AS.MHS.99.02: Commons Seminar: Exploring the Hidden World of Healthcare Quality: Medical Mishaps Up Close & Personal: 8 Weekly Seminars, 1.5 hrs each, Tue 4:30-6 pm, Course Instructor, Hank Ingram House (Commons), 1 credit undergraduate Commons Seminar. Full course description: http://commonplace.vanderbilt.edu/?v=11&course_id=12

03/2011 - 04/2011 The Healer's Art: 5 Weekly 3-hr seminars, Spring 2011, Co-Director & Instructor, Vanderbilt Center for Integrative Health, Five 3 hour sessions, Mar 16 - Apr 13 Co-taught by Roy Elam (course director), Joyce Johnson, Keith Hagan, Leah Harris, Larry Churchill Based on Rachel Naomi Remen's nationally recognized curriculum http://www.commonweal.org/ishi/programs/healers_art.h

06/2011 - 06/2011 Medical Education Faculty Development Seminar Series: Structure, Supervision, Feedback, & Evaluation: A Purposeful & Progressive Approach to Intensive CA1 Training in 4 Short Weeks, Instructor, Vanderbilt University School of Medicine, 06-01-2011

06/2011 - 06/2011 June 2011 CA1 Introductory Program, Director, Course Web Site: <http://www.mc.vanderbilt.edu/root/vumc.php?site=michaelrichardson&doc=34772>

06/2011 - 06/2011 CA1 Intro Program: Physics & Math for Anesthesiologists, Instructor, Jun 7, 3-4pm

06/2011 - 06/2011 CA1 Intro Program: Anesthesia Systems I & II, Instructor, Jun 8 & 14, 1.5 hrs each In-OR demonstrations + classroom instruction

06/2011 - 06/2011 CA1 Intro Program: Anesthesia Machine Check Exam, Assessor, Jun 29; in-OR, hands-on, full machine checks practical exam, planted machine problems; 4 assessors, groups of 3-4 residents

07/2011 - 06/2012 CA1 Peer Review / Quality Improvement, Instructor/Facilitator, 2301 VUH, 15 Sessions, 2011-12; Confidential case review, addressing quality, mishaps, systems, human factors, improvement. Twice monthly.

07/2011 - 06/2012 OB Anesthesia Morning Conference 2011-12: 65 teaching contact hrs, 2011-12, Instructor & Director, 4203 VUH, <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=33451>

07/2011 - 06/2012 OB Anesthesiology Case Based Assessment (CBA): 30 contact hours, 2011-12, Director & Faculty Assessor, 4107 VUH, Residents select & fully develop complex case, prepare materials, formally present/discuss. Eval by 2 assessors. I provide 10-15 min pre-CBA mentoring session for each resident. <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=36452>

08/2011 - 08/2011 Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, VUH 4137, Two-hour, two-part conference, with advance study materials/preparation, and case scenarios.

08/2011 - 05/2012 Anesthesiology Learning Teams: 9 1-hr morning sessions, 2011-12, Instructor/Lead Facilitator, Light Hall, Mentoring sessions, focus on clinical & professional issues of relevance to trainees.

02/2012 - 02/2012 Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, VUH 4137, Two-hour, two-part conference, with advance study materials/preparation, and case scenarios. <http://www.mc.vanderbilt.edu/root/vumc.php?site=nursesresidency>

03/2012 - 04/2012 5 Weekly 3-hr seminars, Spring 2012: The Healer's Art, Co-Director; lecturer; small group facilitator, Center for Integrative Health (VCIH), Five 3 hour sessions, Mar 12 - Apr 11 Co-taught with Roy Elam (co-director), Joyce Johnson, Keith Hagan, Leah Harris, Larry Churchill. Based on Rachel Remen's nationally recognized curriculum http://www.commonweal.org/ishi/programs/healers_art.h

03/2012 - 06/2012 Vanderbilt Program for Inter-professional Learning (VPIL): The Professions: Medicine, panelist, 419 Light Hall, 26 mar 2012

06/2012 - 06/2012 June 2012 CA1 Introductory Program, Course Director & Lecturer, >100 hrs of effort; <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35095>

06/2012 - 06/2012 CA1 Core Conference Series: Physics & Math for Anesthesiologists, Instructor, 2301 VUH, Jun 5, 3-4pm

06/2012 - 06/2012 CA1 Core Conference Series: Anesthesia Systems I & II, Instructor, 2301 VUH, Jun 14 & 15, 3-4:30pm (workshops & lectures)

06/2012 - 06/2012 CA1 Intro Program: Anesthesia Machine Check Exam, Assessor; Director, VOR, Jun 27; in-OR, hands-on, full machine checks practical exam, planted machine problems; 5 assessors, groups of 3-4 residents

06/2012 - 06/2012 CA1 Core Conference Series: Pulmonary Physiology for the Anesthesiologist, Instructor, 2301 VUH, Jun 6, 3-4pm

07/2012 - 05/2013 12 Sessions, 2012-13: Peer Review: Error, Safety, and Improvement, Sole Instructor/Facilitator, 2310A VUH, Safety & Improvement Curriculum incorporating confidential case review. Addresses quality, mishaps, violation/migration, systems & human factors, disclosure, emotional responses/coping; improvement. Fourth Thurs of each 4-wk rotation block.

07/2012 - 06/2013 61 morning sessions, 2012-13: OB Anesthesia Morning Conference Series (50 teaching contact hrs), Conference Director & Instructor, 4203 VUH, <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35628>

07/2012 - 06/2013 Case Based Assessment: OB Anesthesiology Case Based Assessment (CBA), Director & Faculty Assessor, 4107 VUH, 30 contact hours; Residents select & develop complex case, prepare materials, formally present/discuss. Eval by 2 assessors. Includes 15 min pre-CBA mentoring session. <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=36452>

08/2012 - 08/2012 Vanderbilt Program in Interprofessional Learning: Codes of Ethics and Values, Professional Responsibilities, Education, Scope of Practice, Limitations, Panel Speaker, Massey Board Room, Belmont University, 2 hour panel discussion

08/2012 - 08/2012 OB-GYN Core Lecture Program: Obstetric Anesthesiology for the Obstetrician, Lecturer, Light Hall 512, Invited presentation; Dr C Hemingway. 8-24-2012

08/2012 - 08/2012 Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, MCE 4137, Three-hour, two-part conference, with advance study materials/preparation, and case scenarios. <https://www.mc.vanderbilt.edu/root/vumc.php?site=nurseresidency&doc=31974> 8-20-2012

02/2013 - 02/2013 Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, 4137 MCE, Three-hour, two-part conference, with advance study materials/preparation, and case scenarios. <https://www.mc.vanderbilt.edu/root/vumc.php?site=nurseresidency&doc=31974> 2-26-2013

03/2013 - 04/2013 Healer's Art (5 Weekly 3-hr seminars, Spring 2013), Co-Director, lecturer, & small group facilitator, Center for Integrative Health (VCIH), >30 hrs of effort; faculty mtgs & prep, five 3-hour sessions, evaluation material; Mar 20 - Apr 17 Co-taught with R Elam (co-dir), K Hagan, S Harvey, C Stallworth, L Churchill. <http://www.ishiprograms.org/programs/medical-educators-students/>

06/2013 - 06/2013 CA1 Intro Program: Anesthesia Machine Check Exam, Director; Assessor, VOR, Jun 26; in-OR, hands-on, full machine checks practical exam, planted machine problems; 5 assessors, groups of 3 residents

06/2013 - 06/2013 June 2013 CA1 Introductory Program, Course Director & Lecturer, >80 hours of effort; <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35095>

06/2013 - 06/2013 CA1 Core Conference Series: Physics & Math for Anesthesiologists, Instructor, 2301A VUH, Jun 5, 3-4pm

06/2013 - 06/2013 CA1 Core Conference Series: Pulmonary Physiology, Instructor, 2301A VUH, Jun 14, 3-4pm

06/2013 - 06/2013 CA1 Core Conference Series: Anesthesia Systems I & II, Instructor, 2301A VUH, Jun 17 & 19, 3-4:30pm (hands-on in OR workshops & lectures)

07/2013 - 06/2014 Case Based Assessment: OB Anesthesiology Case Based Assessment (CBA), Director & Faculty Assessor, 4108 VUH, 36 contact hours; Residents select & develop complex case, prepare materials, formally present/discuss. Eval by 2 assessors. Includes 15 min pre-CBA mentoring sessions. <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=36452>

07/2013 - 06/2014 67 morning sessions, 2013-14: OB Anesthesia Morning Conference Series (50 teaching contact hrs), Course Director & Instructor, 4203 VUH, <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35628>

11/2013 - 11/3013 ABA Basic Topics in Anesthesiology Lecture Series: Maternal Anatomic & Physiologic Changes: Implications for Anesthetic Care, Lecturer, 2301 VUH

06/2014 - 06/2014 ABA Basic Topics in Anesthesiology Lecture Series: Obstetric Anesthesiology Basics, Lecturer, 2301A vuh

06/2014 - 06/2014 CA1 Intro Program: Physics & Math for Anesthesiologists, Instructor, 2301A vuh

06/2014 - 06/2014 CA1 Introductory Program: Anesthesia Systems I - High Pressure, Wall to Flowmeters, Instructor, VOR & 2301A vuh, 90 min hands-on workshop, plus classroom based instruction

06/2014 - 06/2014 CA1 Intro Program: Anesthesia Systems II - Low Pressure, Flowmeters to Patient, Instructor, VOR & 2301A VUH, 90 min hands-on workshop, plus classroom based instruction

06/2014 - 06/2014 June 2014 CA1 Introductory Program, Course Director & Lecturer, various, >80 hours of effort; <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35095>

06/2014 - 06/2014 CA1 Intro Program: Pre-Anesthetic Evaluation & Airway Assessment, Instructor, 2301A vuh

06/2014 - 06/2014 CA1 Introductory Program: Anesthesia Machine Check Exam, Director, VOR, Jun 26; in-OR, hands-on, full machine checks practical exam, planted machine problems; 5 assessors, groups of 3 residents

07/2014 - 06/2015 63 morning sessions, 2014-15: OB Anesthesia Morning Conference Series (47 teaching contact hrs), Course Director & Instructor, 4203 VUH, <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35628>

08/2014 - 06/2015 Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, 4137 VUH, Three-hour, two-part conference, with advance study materials/preparation, and case scenarios. <https://www.mc.vanderbilt.edu/root/vumc.php?site=nurseresidency&doc=31974> 11 Aug 2014; 16 Mar 2015

10/2014 - 10/2014 Senior Seminar: Epidural & Spinal Anesthesia, Presenter, Light Hall, 22 Oct 2014

05/2015 - 06/2015 JR20 (July Ready in 20), June 2015 CA1 Introductory Program, Course Director & Instructor, var, >60 hrs: revise/disseminate course material; orientation; mid-pt grp mtg; daily clin-mentor pairings; performance evals; 1-on-1 FB; address indiv performance issues; communicate pgm info to faculty, residents, educ leadership; mentor new co-director.

06/2015 - 06/2015 CA1 Intro Program: Physics & Math for Anesthesiologists, Instructor, 2301A VUH

06/2015 - 06/2015 CA1 Intro Program: Anesthesia Systems 2 / Machine Check Out, Instructor, OR: VUH4 01

07/2015 - 07/2015 Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, 4137 VUH, Three-hour, two-part conference, with advance study materials/preparation, and case scenarios. <https://www.mc.vanderbilt.edu/root/vumc.php?site=nurseresidency&doc=31974> 12 Aug 2015, 15 Mar 2016

07/2015 - 06/2016 Core seminars, 2015-16: OB Anesthesia Morning Conference Series (37 teaching contact hrs), Course Director & Instructor, 4203 VUH, <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35628>

07/2015 - 06/2016 Case Based Assessment: OB Anesthesia Case Based Assessment (CBA), Director & Faculty Assessor, 4108 VUH, 30 contact hours AY 2015-16; Residents select & develop complex case, prepare materials, formally present/discuss. Eval by 2 assessors. Includes 15 min pre-CBA mentoring sessions. <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=36452>

12/2015 - 12/2015 ABA Basic Topics in Anesthesiology Lecture Series: Obstetric Anesthesiology Basics, Presenter, 411 LH

06/2016 - 06/2016 June Intro Program Core Lecture Series: Emergence & Extubation: Under-Appreciated Peril and How to Stay Safe, Presenter, 4201A VUH

07/2016 - 12/2016 Fellow Conference: Critical Reading Skills (4 Seminars, Jul-Dec 2016), Course Director & Instructor, various, • Aug 31: IT Test - Bolden 2016 • Sep 28: Cath Failure Rates, CSE v Epidural - Booth 2016 • Oct 26: Phenylephrine v Norepinephrine - Ngan Kee 2015 • Nov 30: Ngaka 2016; Yee 2016

07/2016 - 06/2017 Core seminars, 2016-17: OB Anesthesia Morning Conference Series (37 sessions through Jun 2017), Course Director & Instructor, 4203 VUH, <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35628>

07/2016 - 06/2017 Case Based Assessment: OB Anesthesia Case Based Assessment (CBA), Director & Faculty Assessor, 4108 VUH, 28 contact hrs through May; Residents select & develop complex case, prepare materials, formally present/discuss. Eval by 2 assessors. Includes 15 min pre-CBA mentoring sessions. <http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=36452>

08/2016 - 03/2017 Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Presenter, 4137 VUH, Three-hour, two-part conference (Aug 2016; Mar 2017), with advance study materials/preparation, and case scenarios. <https://www2.mc.vanderbilt.edu/vanderbilt-nursing/41771>

11/2016 - 11/2016 ABA Advanced Topics in Anesthesiology Lecture Series 2016-2017: Anesthetic Management - Epidural & Spinal Anesthesia, Presenter, 419 C-D Light Hall

12/2016 - 12/2016 ASA Basic Lecture Series: Obstetric Anesthesia: The Basics, and Then Some, in One Hour or Less, Presenter, 419 A-B Light Hall

01/2017 - 06/2017 Fellow Conference: Critical Reading Skills (4 Seminars, Jan-Jun 2017), Course Director & Instructor, 4135 MCE, • Feb 1: DPE v Epidural v CSE for labor analg - Chau 2017 • Mar 1: High v low rate oxytocin and uterine

	contractility - Duffield 2017 • Apr 5: Norepi to Prevent Hypotension During CD - Onwochei 2017 • May 3: Neuraxial analg for ECV - Magro-Malosso 2017
06/2017 - 06/2017	CA-1 Orientation to Anesthesia: Physics for the Anesthesiologist, Presenter, 4648 TVC, Flipped Classroom: 8-page Problem Set, study assignment, followed by classroom learning activity
06/2017 - 06/2017	CA-1 Orientation to Anesthesia: Emergence & Extubation: Under-Appreciated Peril and How to Stay Safe, Presenter, 2301A VUH, Flipped Classroom: Advanced assignment with study guide, followed by classroom learning activity
07/2017 - 12/2017	Fellow Conference: Critical Reading Skills (5 Seminars, Jul-Jan 2018), Course Director & Instructor, 4135 MCE, • Aug 2: Left Lat Tilt for Elective CD - Lee 2017 • Aug 30: WOMAN Trial - Lancet 2010/16/17 • Oct 10: Recovery p-Nullip Birth - Komatsu 2017 • Nov 8: ECV - Chalifoux 2017; Ainsworth 2017 • Nov 29: Meta-anal - Magro-Malosso 2016 & Hattler 2016
07/2017 - 03/2018	Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Presenter, 4137 MCE, Three-hour, two-part conference (Jul 2017; Mar 2018), with advance study materials/preparation, and case scenarios. https://ww2.mc.vanderbilt.edu/vanderbilt-nursing/41771
07/2017 - 03/2018	Case Based Assessment: OB Anesthesiology Case Based Assessment (CBA), Director & Instructor, VUH 4203, 18 contact hrs through Dec; Residents select & develop complex case, prepare materials, formally present/discuss. Includes 15 min pre-CBA mentoring sessions. http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=36452
07/2017 - 06/2018	Core seminars, 2017-18: OB Anesthesia Morning Conference Series (24 sessions through Jun 2018), Course Director & Instructor, 4203 VUH, http://www.mc.vanderbilt.edu/root/vumc.php?site=1anesthesiology&doc=35628
01/2018 - 01/2018	ASA Basic Lecture Series: Maternal Physiologic Changes of Relevance to the Anesthesiologist, Presenter, 419A-B LH
01/2018 - 05/2018	Fellow Conference: Critical Reading Skills, Course Director & Instructor, 4153 MCE, Jan 3: Case-Control - Broussard 2011 May 23: Database Cohort - Butwick 2018
07/2018 - 06/2019	Core Seminars, 2018-19: OB Anesthesia Morning Conference Series (27 sessions through Jun 2019), Instructor, 4203 VUH
05/2019 - 05/2019	Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, 4152 MCE, Three-hour, two-part conference (May 2019), with advance study materials/preparation, and case scenarios. https://ww2.mc.vanderbilt.edu/vanderbilt-nursing/41771
07/2019 - 2020	Medical Student Lecture Series (4 sessions through Jan 2020), Instructor, 2301 vuh, 27 Aug - Obstetric Anesthesia 16 Sep - Mechanical Factors in Cardiovasc Aging: Implications for Anesthetizing the Elderly 6 Dec - Anesthesia for the Elderly 15 Jan - Maternal Physiologic Changes, Implications for Obstetric Anesthesia
08/2019 - 2020	Fellow Conference: Critical Appraisal Skills - Reading the Medical Literature (5 sessions through Feb 2020), Course Director & Instructor, 4208 vuh, 21 Aug: Intro to M.A.A.R.I.E framework; Methods, Assignment, Assessment 10 Sep: Results; RCTs 8 Oct: RCTs, part 2; Intro to Cohort Studies 19 Nov: Case Control & Cohort Studies 11 Feb: Systematic Reviews & Meta-Analyses - I 4 Mar: Systematic Reviews & Meta-Analyses - II [Cancelled] 24 Mar: Network Meta-Analysis [Cancelled]
08/2019 - 2020	Core Seminars, 2019-20: OB Anesthesia Morning Conference Series (17 sessions through Feb 2020), Instructor, 4203 vuh
09/2019 - 10/2019	Vanderbilt University Women's Health Nurse Residency Program: Neuraxial Labor Analgesia: Focus on Safety & Quality, and on Anticipating, Recognizing, & Responding to Complications, Instructor, 4153 MCE, Three-hour, two-part conference (Sep 2019), with advance study materials/preparation, and case scenarios. https://ww2.mc.vanderbilt.edu/nurseresidency/
11/2019 - 11/2019	Wagner 2019 - Impact of anesthesiologist's fellowship status on the risk of general anesthesia for unplanned cesarean delivery: OB Anesthesia Journal Club, Journal Club Discussant, 4201 vuh
01/2020 - 08/2020	ABA Basic- Maternal and Fetal Physiology - Anesthetic Implications, Instructor, 415 LH

Research Supervision / Mentorship

1994 - 1997	Lubna Kahn, MD, M.D. Naperville, IL, Current Position: Pediatric Anesthesiologist. (Resident, Education)
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1994 - 1997 Assadulah Hussain, MD, M.D. Dallas, TX, Current Position: Anesthesiologist; Pain Specialist. (Resident, Education)

1995 - 1988 Schahid Rawoof, MD, M.D. Norwood, MA, Current Position: Anesthesiologist. (Resident, Education)

1995 - 1996 Hubert Collins, MD, M.D. Lake Jackson, TX, Current Position: Anesthesiologist; Pain Specialist. (Post-doc Fellow, Education)

1995 - 1998 Gurudat Setty, MD, M.D. Lawrenceville, GA, Current Position: Anesthesiologist; Pain Specialist. (Resident, Education)

1996 - 1999 David Lai, MD, M.D. Tacoma, WA, Current Position: Anesthesiologist. (Resident, Education)

1996 - 1999 Ilya Zhavoronkov, MD, M.D. Rochester, NY, Current Position: Anesthesiologist. (Resident, Education)

1996 - 2000 Eleftherios Baronos, MD, M.D. Rochester, NY, Current Position: Anesthesiologist. (Resident, Education)

1997 - 1997 Carolyn Calalang, MD, M.D. Medical Center at Princeton, Princeton, NJ, Current Position: Anesthesiologist. (Post-doc Fellow, Education)

1997 - 1998 Julie Bedard, MD, M.D. CHU de Québec, Current Position: Anesthesiologist. (Post-doc Fellow, Education)

1997 - 1998 Jeffrey Porth, MD, M.D. University of Utah Health Care, Current Position: Associate Professor of Anesthesiology. (Post-doc Fellow, Education)

1997 - 2000 Kevin DeLuca, MD, M.D. Arnot Health, Arnot Ogden Medical Center, Elmira, NY, Current Position: Vice President of Medical Affairs. (Resident, Education)

1997 - 2000 Son Tran, MD, M.D. Children's Hospital of Orange County, St. Joseph Hospital, Orange, CA, Current Position: Anesthesiologist. (Resident, Education)

1997 - 2001 Franklyn Cladis, MD, M.D. Children's Hospital of Pittsburgh of UPMC, Current Position: Associate Professor; Fellowship Program Director. (Resident, Education)

1998 - 1999 Gregory Schmitt, MD Honolulu, HI, Current Position: Ophthalmologist. (Medical Student, Education)

1998 - 2001 David D'Souza, MD, M.D. Current Position: deceased. (Resident, Education)

1998 - 2001 Kuhia Fisher, MD, M.D. American Fork, UT, Current Position: Anesthesiologist. (Resident, Education)

1998 - 2001 Morgan Grant, MD, M.D. Provo, UT, Current Position: Anesthesiologist. (Resident, Education)

1998 - 2001 Francesco Ramadori, MD, M.D. McGill University, Current Position: Assistant Professor of Anesthesiology; Intensivist. (Resident, Education)

1998 - 2002 James Deuel, MD, M.D. Westside Anesthesia Associates of Rochester, LLP, Rochester, NY, Current Position: Anesthesiologist; President. (Resident, Education)

1998 - 2002 Russell Norton, MD, M.D. Cayuga Medical Center, Ithaca, NY, Current Position: Anesthesiologist. (Resident, Education)

1999 - 2000 Stephen Comella, MD Comella Health and Wellness, Rochester, NY, Current Position: CEO/President. (Medical Student, Education)

1999 - 2000 Paul Gaitan, MD, M.D. Laser Spine Institute, Sun City West, AZ, Current Position: Anesthesiologist; Interventional Spinal Physician. (Medical Student, Education)

1999 - 2000 John Pak, MD, M.D. Springfield, MA, Current Position: Anesthesiologist. (Medical Student, Education)

1999 - 2000 Pankaj Sarin, MD, M.D. Dept of Anesthesiology, Brigham & Women's Hospital; Harvard Medical School, Current Position: Anesthesiologist; Director of Medical Informatics; CEO, opflo, LLC. (Medical Student, Education)

1999 - 2000 Brian Spence, MD, MHCDS, M.D. Dartmouth-Hitchcock Medical Center, Hanover, NH, Current Position: Associate Professor of Anesthesiology. (Medical Student, Education)

1999 - 2000 Jessica Yoos, MD, M.D. M2 Anesthesia, Bellingham, WA, Current Position: Anesthesiologist. (Medical Student, Education)

1999 - 2000 Gwenda Kugler, MD, M.D. Mineola, NY, Current Position: Anesthesiologist. (Medical Student, Education)

1999 - 2002 Jennifer Ryder, MD, M.D. Sacramento, CA, Current Position: Anesthesiologist. (Resident, Education)

1999 - 2002 James Lynch, MD, M.D. Mayo Clinic, Rochester, MN, Current Position: Faculty Anesthesiologist. (Resident, Education)

1999 - 2002 Alexander Van Damme, MD University of Rochester School of Medicine & Dentistry, Rochester, NY, Current Position: Assistant Professor of Clinical Anesthesiology. (Medical Student, Education)

2000 - 2001 Jeffrey Berger, MD George Washington University, Washington, DC, Current Position: Professor of Anesthesiology and Critical Care Medicine; Assoc Dean for GME; Designated Institutional Official. (Medical Student, Education)

2000 - 2001 Christopher Dupree-Rios, MD, M.D. Atlantic Anesthesia, Virginia Beach, VA, Current Position: Anesthesiologist. (Medical Student, Education)

2000 - 2001 Lee-Lynn Chen, MD, M.D. UCSF, San Francisco, CA, Current Position: Clinical Professor of Anesthesiology; Anesthesia Director, Enhanced Recovery After Surgery. (Medical Student, Education)

2001 - 2002 Felix Fianko, MD, M.D. Neptune, NJ, Current Position: Anesthesiologist. (Medical Student, Education)

2001 - 2002 Jennifer Hayes, MD, M.D. Albany Medical College, Current Position: Assistant Professor of Anesthesiology. (Medical Student, Education)

2001 - 2002 Michael Kaufman, MD, M.D. Tufts University School of Medicine, Current Position: Assistant Clinical Professor of Anesthesiology. (Medical Student, Education)

2001 - 2002 David Maine, MD, M.D. Mercy, Baltimore, MD, Current Position: Director, The Center for Interventional Pain Medicine at Mercy. (Medical Student, Education)

2001 - 2002 George Semien, MD, M.D. Cleveland Clinic, Miami, FL, Current Position: Adjunct Assistant Professor, Staff Anesthesiologist. (Medical Student, Education)

2001 - 2002 Lena Mayes, MD, M.D. Children's Hospital, University of Colorado, Current Position: Associate Professor of Anesthesiology. (Medical Student, Education)

2001 - 2002 Jennifer Shaulinski Kendall, M.D., M.D. Anesthesia Associates of Rochester P.C., Rochester, NY, Current Position: Anesthesiologist. (Medical Student, Education)

2002 - 2005 Ladd Campbell, DO, M.D. Asheville, NC, Current Position: Anesthesiologist. (Resident, Education)

2002 - 06/2005 Curtis Carson, MD, M.D. Honolulu, HI, Current Position: Anesthesiologist. (Resident, Education)

2002 - 06/2005 Charles Hill, MD, M.D. Stanford University, Current Position: Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine; Medical Director, Cardiovascular Intensive Care Unit;. (Resident, Education)

06/2002 - 06/2005 Nawal Ragheb-Mueller, DO, D.O. John H. Stroger, Jr. Hospital of Cook County, Chicago, IL, Current Position: Anesthesiologist. (Resident, Education)

2003 - 2004 David Norris, MD, M.D. Wichita, KS, Current Position: Anesthesiologist. (Resident, Education)

2003 - 2004 Jason Moret, MD, M.D. North Florida Anesthesia Consultants, Jacksonville, FL, Current Position: Anesthesiologist. (Resident, Education)

2003 - 2004 Sharon Liu, MD, M.D. Seattle, WA, Current Position: Anesthesiologist. (Medical Student, Education)

2004 - 06/2006 William McRae III, M.D., M.D. Southeast Alabama Medical Center, Dothan, AL, Current Position: Pain Medicine Physician, Anesthesiologist. (Resident, Education)

07/2004 - 06/2007 Michael Chester, MD, M.D. Nashville, TN, Current Position: Anesthesiologist. (Resident, Education)

2005 - 2007 Rohith Piyarathna, MD, M.D. Sacramento, CA, Current Position: Anesthesiologist. (Medical Student, Education)

07/2005 - 2007 Rohan Shah, MD, M.D. Southeastern Retina Associates, Chattanooga, TN, Current Position: Ophthalmologist. (Medical Student, Education)

07/2005 - 2010 Sara Norvell, MD, M.D. St Joseph Regional Med Center, Mishawaka, Indiana, Current Position: Anesthesiologist. (Resident, General Mentorship)

2006 - 2010 T. Greg McKelvey Jr. MD, MPH, M.D., M.P.H. KenSci, Seattle, WA, Current Position: Chief Medical Officer. (Undergraduate, Education)

01/2006 - 2008 Katherine Hines Dobie, MD, M.D. Vanderbilt University Medical Center, Current Position: Associate Professor of Clinical Anesthesiology. (Resident, General Mentorship)

2007 - 2008 Yordanos Yohannes, MD, M.D. University of Missouri School of Medicine, Current Position: Assistant Professor of Clinical Anesthesiology. (Post-doc Fellow, Education)

07/2007 - 10/2009 Daniel Spratt, MD, M.D. University of Michigan, Ann Arbor, MI, Current Position: Assistant Professor of Radiation Oncology; Chair, Genitourinary Division of Clinical Research; Director, Spine Oncology Program. (Medical Student, Education)

07/2007 - 04/2011 Daniel Lonergan, MD, M.D. Division of Pain Management, VUMC, Nashville, TN, Current Position: Assistant Professor of Clinical Anesthesiology. (Resident, General Mentorship)

2008 - 2009	Sarah Starr Covell, MD, M.D. St Joseph, MI, Current Position: Anesthesiologist. (Post-doc Fellow, Education)
07/2008 - 10/2010	Stamatios Dentino, MD, M.D. University of Utah Neuropsychiatric Institute, Salt Lake City, UT, Current Position: Psychiatrist. (Medical Student, Education)
07/2008 - 10/2010	Christopher Eakins, MD, M.D. Gundersen La Crosse Hospital, La Crosse, WI, Current Position: Radiologist. (Medical Student, Education)
07/2008 - 10/2010	Shane Volney, MD, M.D. Massachusetts General Hospital, Boston, MA, Current Position: Attending Anesthesiologist, Pain Specialist, Palliative Care Specialist. (Resident, General Mentorship)
07/2008 - 06/2011	Loren Hemachandra, MD, JD, M.D., J.D. San Antonio, TX, Current Position: Anesthesiologist. (Resident, General Mentorship)
07/2009 - 06/2011	Christopher Canlas, MD, M.D. VUMC, Current Position: Assistant Professor of Clinical Anesthesiology. (Faculty, General Mentorship)
04/2010 - 10/2010	Justin Wilson, MD, M.D. UT Health Science Center, San Antonio, TX, Current Position: Associate Professor of Clinical Anesthesiology. (Resident, Education)
04/2010 - 10/2010	Candice Burrier, MD, M.D. Nationwide Children's, Columbus, OH, Current Position: Pediatric Anesthesiologist. (Resident, Education)
04/2010 - 10/2010	Andrey Belous, MD, M.D. The Medicines Company, Parsippany, NJ, Current Position: Medical Director. (Resident, Education)
07/2010 - 07/2011	Jessica Wolin, MD, M.D. Muskegon, MI, Current Position: Anesthesiologist. (Post-doc Fellow, General Mentorship)
08/2010 - 11/2010	Monica Trueba Neiligan, JD Washington, DC, Current Position: Attorney at Law. (Undergraduate, Education)
02/2011 - 08/2011	Mark Lenart, MD, M.D. Naval Medical Center Portsmouth, Current Position: Chair of Anesthesia. (Post-doc Fellow, General Mentorship)
06/2011 - 06/2014	Jessica Quinlan, MD, M.D. Northside Anesthesia Consultants, Atlanta, GA, Current Position: Attending Anesthesiologist. (Resident, Education)
06/2011 - 06/2014	Elizabeth Embury, MD, M.D. Saint Petersburg, FL, Current Position: Anesthesiologist. (Resident, Education)
08/2011 - 07/2012	Adrienne P. Ray, MD, M.D. Ochsner Health System, New Orleans, LA, Current Position: Obstetric Anesthesiologist. (Post-doc Fellow, Education)
07/2012 - 06/2013	Matthew V. Buck, MD, M.D. Duke University School of Medicine, Current Position: Associate Professor of Anesthesiology. (Post-doc Fellow, Education)
08/2013 - 07/2014	Mary DiMiceli Zsigmund, MD, M.D. Anesthesia Medical Group, Inc., Nashville, TN, Current Position: Obstetric Anesthesiologist. (Post-doc Fellow, Education)
08/2014 - 07/2015	Mary Jennette Judd, MD, M.D. American Anesthesiology, Greensboro, NC, Current Position: Anesthesiologist. (Post-doc Fellow, Education)
07/2015 - 07/2016	Brandon Lopez, MD, M.D. University of Florida College of Medicine, Gainesville, FL, Current Position: Assistant Professor of Anesthesiology. (Post-doc Fellow, Education)
07/2016 - 06/2017	Scott Harshman, MD, M.D. Anesthesia Medical Group, Nashville, TN, Current Position: Obstetric Anesthesiologist. (Post-doc Fellow, Education)
07/2016 - 06/2017	Leslie A. (Schornack) Conroy, MD, M.D. Mid-Louisiana Anesthesia Consultants, Alexandria, LA, Current Position: Attending Anesthesiologist. (Post-doc Fellow, Education)
01/2017 - 07/2019	Britany L. Raymond, MD, M.D. Vanderbilt University Medical Center, Current Position: Fellow, Obstetric Anesthesiology. (Post-doc Fellow, Education)
07/2017 - Present	LeAnn Lam, B.S. University of Utah; VU School of Medicine starting 7/2018, Current Position: Research Assistant. (Medical Student, Research)
07/2017 - 06/2018	Bradley T. Kook, MD, M.D. Vanderbilt University Medical Center, Current Position: Fellow, Obstetric Anesthesiology. (Post-doc Fellow, Education)
03/2018 - 12/2018	Thomas Cochran, MD, M.D. VUMC, Current Position: PGY-2 Anesthesiology Resident. (Resident, Education)
07/2018 - 06/2019	Mallika Thampy, MD, M.D. VUMC, Current Position: Obstetric Anesthesiology Fellow. (Post-doc Fellow, Research)
07/2019 - Present	Dwan RL, M.A. VUMC, Current Position: Obstetric Anesthesiology Fellow. (Post-doc Fellow, Research)

Grants and Funding

IRB #100145 \$18,000 salary support, \$2,5000 research materials (PI) 01/2010 - 06/2010
 Vanderbilt Center for Biomedical Ethics & Society
 Stahlman Scholar's Grant
 Role: Principal Investigator
 Total Cost: \$20,500.00

IRB #100145	Richardson, MG (PI)	08/2010 - 07/2011
Vanderbilt University, Department of Anesthesiology		
New Innovations Grant		
Role: Principal Investigator		
Total Cost: \$6,540.00		
VR52995	Richardson MG (PI)	11/2018 - 02/2019
Vanderbilt University Medical Center Institute for Clinical and Translational Research (VICTR)		
Evaluation of Maternal-Fetal Trans-Placental Transfer of Sugammadex Using the Dual-Perfused Placental Model		
Role: Principal Investigator		
Total Cost: \$2,000.00		
IRB #182020	Michael G. Richardson, MD (PI)	08/2019 - 03/2020
VUMC, Department of Anesthesiology		
Evaluation of Maternal-Fetal Placental Transfer of Sugammadex using the Dual-Perfused, Single, Isolated, Human Placental Cotyledon		
Role: Principal Investigator		
Total Cost: \$3,240.00		

Honors / Awards

1985	Honor Society, Phi Beta Kappa
1988	Honor Society, Alpha Omega Alpha
1993	Chief Resident, Dept. of Anesthesiology and Critical Care Medicine, The Johns Hopkins Hospital, 1992-93
1997	Teacher of the Year Award, Dept. Anesthesiology, Univ. of Rochester School of Medicine and Dentistry
2001	Ronald A. Gabel Award for Teaching Excellence, Dept. Anesthesiology, Univ. of Rochester School of Medicine and Dentistry
2001	Scholar, Harvard Macy Institute Program for Physician Educators, Boston, Jan 14-24 & May 9-16 2001
2005	Volker I. Striepe Teaching Award, Dept. Anesthesiology, Vanderbilt University
2006	Volker I. Striepe Teaching Award, Dept. of Anesthesiology, Vanderbilt University
2006	Master Clinical Teacher, Vanderbilt School of Medicine
2007	Volker I. Striepe Teaching Award, Dept. of Anesthesiology, Vanderbilt University
2007	Master Clinical Teacher, Vanderbilt School of Medicine
2007	Award for Academic Excellence, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
04/2007	Vanderbilt University Academy for Teaching Excellence, Vanderbilt University School of Medicine, Inducted as Founding Member
2008	Chair's Special Recognition for Academic Achievement, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2008	Master Clinical Teacher, Vanderbilt School of Medicine
2009	Master Clinical Teacher, Vanderbilt School of Medicine
2009	Chair's Special Recognition for Academic Achievement, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2010	Award for Academic Excellence, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2010	Stahlman Scholar Grant Award, Vanderbilt University Center for Biomedical Ethics & Society
2011	Award for Academic Excellence, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2012	Award for Academic Excellence, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2013	Award for Academic Excellence, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2014	Award for Academic Distinction, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program

2015	Academic Merit Award, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2016	Award for Academic Excellence, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
2017	Chair's Award, Vanderbilt University Medical Center, Department of Anesthesiology Academic Achievement Award Program
02/2017	Open Anesthesia, Article of the Month, Editorial Board, Anesthesia & Analgesia, Nitrous Oxide During Labor: Maternal Satisfaction Does Not Depend Exclusively on Analgesic Effectiveness https://www.openanesthesia.org/article-of-the-month/
05/2017	SOAP Patient Safety Award; Top 15 Research Poster of Annual Meeting, Society for Obstetric Anesthesia & Perinatology, Schornack LA (presenter), Richardson MG, Osmundson SO, Grash JL, Zuckerwise LC. Opioid Prescription/Patient Use Mismatch: Prospective Cohort Study of Post-Discharge Opioid Use Following Cesarean
07/2017	Selection for CME Accreditation, Editorial Board, Obstetric & Gynecology, Osmundson SS, Schornack LA, Grash JL, Zuckerwise LC, Young JL, Richardson MG. Postdischarge Opioid Use After Cesarean Delivery. <i>Obstet Gynecol</i> 2017;130(1):36-41.
04/2018	Selection for CME Accreditation, Editorial Board, Anesthesia & Analgesia, Richardson MG, Hall SJ, Zuckerwise LC. Postpartum Tubal Sterilization: Making the Case for Urgency. <i>Anesth Analg</i> 2018;126(4):1225-1231.
05/2018	Top Ten Best Case Report of Annual Meeting, Society for Obstetric Anesthesia & Perinatology, Richardson MG (presenter), Niconchuk JA. Epidural labor analgesia in the presence of preeclampsia and complex regional pain syndrome
05/2018	First Prize, Gertie Marx Research Competition, Society for Obstetric Anesthesia & Perinatology, Raymond BL (presenter), Kook BT, Richardson MG, Voorhees CE, Schornack LA, Osmundson SS. A Randomized Controlled Trial to Reduce Unused Opioids after Cesarean Delivery.
05/2019	Best Paper Award, 1st Prize, Society for Obstetric Anesthesia & Perinatology, Oral Presentation; juried Best Papers Session; Richardson MG (presenter), Johnson RF, Thampy MS, Baysinger CL. Evaluation of Maternal-Fetal Placental Transfer of Sugammadex using the Dual-Perfused, Single, Isolated, Human Placental Cotyledon
07/2019	F1000Prime Recommendation, F1000Prime, Richardson MG1, Raymond BL. Sugammadex Administration in Pregnant Women and in Women of Reproductive Potential: A Narrative Review. <i>Anesth Analg</i> . 2019 Jul 2. doi: 10.1213/ANE.0000000000004305. [Epub ahead of print] PMID: 31283616

Publications

Peer Reviewed Publications

Research Articles

1. **Richardson MG**, Lee AC, Wissler RN. High spinal anesthesia after epidural test dose administration in five obstetric patients. *Reg Anesth* 1996; 21(2):119-123. PMID: 8829404.
2. **Richardson MG**, Setty GK, Rawoof SA. Responses to nondepolarizing neuromuscular blockers and succinylcholine in von Recklinghausen neurofibromatosis. *Anesth Analg* 1996 February;82(2):382-385. PMID: 8561346.
3. **Richardson MG**, Wissler RN. The density of lumbar cerebrospinal fluid in pregnant and nonpregnant humans. *Anesthesiology* 1996 August;85(2):326-330. PMID: 8712448.
4. **Richardson MG**, Thakur R, Abramowicz JS, Wissler RN. Maternal posture influences the extent of sensory block produced by intrathecal dextrose-free bupivacaine with fentanyl for labor analgesia. *Anesth Analg* 1996 December;83(6):1229-1233. PMID: 8942591.
5. **Richardson MG**, Wissler RN. Densities of dextrose-free intrathecal local anesthetics, opioids, and combinations measured at 37 degrees C. *Anesth Analg* 1997 January;84(1):95-99. PMID: 8989007.
6. **Richardson MG**, Wu CL, Hussain A. Midazolam premedication increases sedation but does not prolong discharge times after brief outpatient general anesthesia for laparoscopic tubal sterilization. *Anesth Analg* 1997 August;85(2):301-305. PMID: 9249104.
7. **Richardson MG**, Dooley JW. The effects of general versus epidural anesthesia for outpatient extracorporeal shock wave lithotripsy. *Anesth Analg* 1998 June;86(6):1214-1218. PMID: 9620507.
8. **Richardson MG**, Collins HV, Wissler RN. Intrathecal hypobaric versus hyperbaric bupivacaine with morphine for cesarean section. *Anesth Analg* 1998 August;87(2):336-340. PMID: 9706927.

9. **Richardson MG**, Wissler RN. The effects of needle bevel orientation during epidural catheter insertion in laboring parturients. Anesth Analg 1999 February;88(2):352-356. PMID: 9972755.
10. Bingham JW, Quinn DC, **Richardson MG**, Miles PV, Gabbe SG. Using a healthcare matrix to assess patient care in terms of aims for improvement and core competencies. Joint Commission journal on quality and patient safety / Joint Commission Resources 2005 February;31(2):98-105. PMID: 15791769.
11. **Richardson MG**. Blending web-based technology and live conference: continuing discussions. Medical education 2008 September; PMID: 18826395.
12. **Richardson MG**. The patient pain experience: an innovative student curriculum. Medical education 2008 October; PMID: 18991987.
13. **Richardson MG**. Pain overlooked--imperfect technology. Academic medicine : journal of the Association of American Medical Colleges 2009 January;84(1):57. PMID: 19116478.
14. Spratt DE, **Richardson MG**. Locked-in: listening to save a life. Academic medicine : journal of the Association of American Medical Colleges 2010 January;85(1):62. PMID: 20042824.
15. **Richardson MG**, Domaradzki KA, McWeeney DT. Implementing an Obstetric Emergency Team Response System: Overcoming Barriers & Sustaining Response Dose. Jt Comm J Qual Patient Saf 2015 November;41(11):514-523. PMID: 26484684.
16. **Richardson MG**, Lopez BM, Baysinger CL, Shotwell, MS, Chestnut DH. Nitrous oxide during labor: maternal satisfaction does not depend exclusively on analgesic effectiveness. Anesth Analg 2017 February;124(2):548-553. PMID: 28002168.
17. Osmundson SS, Schornack LA, Grash JL, Zuckerwise L, Young J, **Richardson MG**. Opioid use following cesarean section after hospital discharge. Obstet Gynecol 2017 July;130(1):36-41. PMID: 28594766.
18. **Richardson MG**, Raymond BL, Kook BT, Judd MJ. Communication when caring for obstetric patients with limited English proficiency: A survey of anesthesiology residents. Patient Educ Couns [in preparation] 2018.
19. Osmundson SO, Raymond BL, Kook BT, Lam L, Thompson EB, Schornack LA, Voorhees CE, **Richardson MG**. Individualized versus Standardized Opioid Prescribing after Cesarean Delivery: A Randomized Controlled Trial to Reduce Unused Opioids. Obstet Gynecol 2018 2018 September;132(3):624-630. PMID: 30095773.
20. **Richardson MG**, Raymond BL, Baysinger CL, Kook BT, Chestnut DH. A Qualitative Analysis of Parturients' Experiences Using Nitrous Oxide for Labor Analgesia: It's Not Just About the Pain Relief. Birth [Epub 2018 Jul 22] 2019 March;46(1):97-104. PMID: 30033596.
21. **Richardson MG**, Johnson RF, Baysinger CL. Evaluation of maternal-fetal trans-placental transfer of sugammadex using the dual perfused placental model [manuscript in preparation]. Anesthesiology [intended] 2021.
22. Dwan RL, Raymond BL, **Richardson MG**. Unanticipated Consequences of Switching to Sugammadex: Anesthesia Provider Survey on the Hormone Contraceptive Drug Interaction. Anesth Analg [accepted] 2021.
23. Lam L, **Richardson MG**, Zhao Z, Thampy M, Ha L, Osmundson SS. Enhanced discharge opioid counseling to reduce outpatient opioid use after cesarean birth: a randomized clinical trial. Am J Obstet Gynecol Maternal-Fetal Medicine 2021 January;3(1):100286.

Review Articles

1. **Richardson MG**. The pregnant patient undergoing nonobstetric surgery. Problems in Anesthesia 1997; 9:241-251.
2. **Richardson MG**. Regional anesthesia for obstetrics. Anesthesiology Clin N Am 2000 June;18(2):383-406. PMID: 10935016.
3. DiMiceli-Zsigmond M, Williams AK, **Richardson MG**. Expecting the Unexpected: Perspectives on Stillbirth & Late Termination of Pregnancy for Fetal Anomalies. Anesthesia & Analgesia 2015 August;121(2):457-464. PMID: 26197374.
4. **Richardson MG**, Lopez BM, Baysinger BL. Should nitrous oxide be used for the laboring patient?. Anesthesiology Clin N Am 2017 March;35(1):125-143. PMID: 28131115.
5. **Richardson MG**, Hall SH, Zuckerwise LC. Postpartum tubal sterilization: making the case for urgency. Anesth Analg 2018 April;126(4):1225-1231. PMID: 28632532.
6. Raymond BL, Kook BT, **Richardson MG**. The Opioid Epidemic and Pregnancy: Implications for Anesthetic Care. Curr Opin Anaesthesiol 2018 June;31(3):243-250. PMID: 29601303.
7. **Richardson MG**, Raymond BL. Sugammadex Administration in Pregnant Women and in Women of Reproductive Potential: a Narrative Review. Anesth Analg. 2020 Jun;130(6):1628-1637 [epub ahead of print 2019 Jul 2. doi: 10.1213/ANE.0000000000004305] 2019 July;130(6) PMID: 31283616.

Editorials

1. **Richardson MG**, Litman RS. Ventilation Before Paralysis: Crossing the Rubicon, Slowly. Anesthesiology 2012 September;117(3):1-3. PMID: 22814386.
2. **Richardson MG**, Litman RS. In Utero Myelomeningocele Repair: Baby Steps and Giant Leaps for Fetal Surgery. Anesthesiology 2013 May;118(5):1016-1018. PMID: 23508218.

Case Reports

1. **Richardson MG**, Roark GL, Helfaer MA. Intraoperative epinephrine-induced torsades de pointes in a child with long QT syndrome. *Anesthesiology* 1992 April;76(4):647-9. PMID: 1550292.
2. **Richardson, MG**, Dooley, JW. Acute facial, cervical, and thoracic subcutaneous emphysema: a complication of fiberoptic laryngoscopy. *Anesth Analg* 1996; 82(4):878-880. PMID: 8615516.
3. Bédard JM, **Richardson MG**, Wissler RN. Epidural anesthesia in a preeclamptic parturient with a lumboperitoneal shunt. *Anesthesiology* 1999 February;90(2):621-623. PMID: 9952171 PMID: 9952171.
4. Bédard JM, **Richardson MG**, Wissler RN. General anesthesia with remifentanyl for Cesarean section in a parturient with an acoustic neuroma. *Can J Anaesth* 1999 June;46(6):576-580. PMID: 10391607.
5. Connery LE, Deignan MJ, Gujer MW, **Richardson MG**. Cardiovascular collapse associated with extreme iatrogenic PEEP in patients with obstructive airways disease. *Br J Anaesth* 1999 September;83(3):493-495. PMID: 10655931.
6. Tatro CR, **Richardson MG**. Maternal blood pressure in preeclampsia: How low is too low?. *Am J Anesth* 2001; 28:149-150.
7. Goodman BT, **Richardson MG**. Unilateral negative pressure pulmonary edema - a complication of endobronchial intubation. *Canadian journal of anaesthesia* 2008 October;55(10):691-695. PMID: 18835967.
8. Zajac AE, **Richardson MG**. Postdural Puncture Headache Treated With Epidural Blood Patch and Subsequent Resolution of Atypical Odontalgia: A Case Report. *A A Pract* 2018 August;11(3):73-75. PMID: 29634557.
9. Niconchuk JA, **Richardson MG**. Complete Relief of CRPS-Associated Pain during Magnesium Infusion in a Postpartum Preeclamptic Patient. *Regional Anesthesia and Pain Medicine [ePub ahead of print]* 2019 January; PMID: 30635501.

Letters

1. **Richardson MG**, Wissler RN. Unexpected high spinal block in obstetrics. *Br J Anaesth* 1996 December;77(6):806-807. PMID: 9014640.
2. **Richardson MG**, Wissler RN. Lateral positioning for regional analgesia during labor. *Br J Anaesth* 1997; 79:261.
3. Bedard JM, **Richardson MG**, Wissler RN. Paravertebral lumbar sympathetic block for labor analgesia. *Anesthesiology* 2000; 93:580. PMID: 10910513.
4. **Richardson MG**, Ikeda A, Isono S, Litman RS. In Reply (Facemask ventilation and neuromuscular blockade in anesthetized patients). *Anesthesiology* 2013 April;118(4):994-996. PMID: 23511536.
5. **Richardson MG**. Hazards of "Standard" Epidural Test Dose in Laboring Parturients. *Reg Anesth Pain Med* 2017 March;42(2):271-271. PMID: 28207645.
6. **Richardson MG**, Baysinger CL. Dural Puncture Epidural Technique: Not So Fast. *Anesth Analg* 2017 August;125(2):700-700. PMID: 28737518.
7. **Richardson MG**, Baysinger CL, Chestnut DH. Informed Consent and Nitrous Oxide for Labor Analgesia. *Anesth Analg* 2017 September;125(3):1082-1083. PMID: 28753171.
8. **Richardson MG**, Raymond BL. Lack of Evidence for Ceiling Effect for Buprenorphine Analgesia in Humans. *Anesth Analg* 2018 July;127(1):310-311. PMID: 29624528.

Non-Peer Reviewed Publications

Research Articles

1. Ende HB, **Richardson MG**, Lopez BM, Wanderer JP. Implementation of an Automated Email Notification System for Antenatal Surgeries Increased Fellow Participation in ACGME-Required Cases. *J Clin Anesth [submitted]* 2021.
2. Ende HB, Bauchat J, Sorabella LL, Raymond BL, Feng XK, **Richardson MG**. Gabapentin does not affect post-cesarean opioid consumption or pain scores in women taking buprenorphine: a 10-year retrospective cohort study [in preparation]. 2021.

Review Articles

1. **Richardson MG**. Sugammadex Administration in Pregnant and Non-Pregnant Women. *Society for Obstetric Anesthesia and Perinatology Newsletter* 2019 January;(Winter 2019):8-9.

Book Chapters

1. Buck MV, **Richardson MG**. Fetal Monitoring. *Monitoring Technologies in Acute Care Environments*. Editors: Ehrenfeld J, Cannesson M. New York, New York, United States: Springer; 2014.

2. **Richardson MG**, DiMiceli-Zsigmond M, Gambling D. Fetal Assessment & Monitoring. A Practical Approach to Obstetric Anesthesia, 2nd ed.. Editors: Bucklin B, Baysinger C, Gambling D. Philadelphia, Pennsylvania, United States: Wolters Kluwer; 2016 January;95-114. ISBN: 978-1-4698-8286-4.
3. **Richardson MG**. STAT Cesarean Delivery: Preparation, Planning, and Team Performance [in press]. Advanced Perioperative Crisis Management. Editors: McEvoy M, Furse C. New York, New York, United States: Oxford University Press; 2017 August; ISBN: 9780190226459.

Presentations

Visiting Professor

1. Richardson MG. Grand Rounds. University of Louisville, Department of Anesthesiology; Louisville, Kentucky. 2006 May 1; Moving Toward Competence-Based Education: It's (Mostly) About Assessment.
2. Richardson, MG. Grand Rounds. University of Vermont, Department of Anesthesiology; Burlington, Vermont. 2007 Oct 3; Medical Mishaps & Second Victims: How Should We Respond?.
3. Richardson MG. Visiting Professor Resident Conference. University of Vermont, Department of Anesthesiology; Burlington, Vermont. 2007 Oct 3; Cardiovascular Aging, Renal Failure, and Poor Communication – a Challenging Case.
4. Richardson MG. Grand Rounds (Tseuda Visiting Professor Program). University of Louisville, Department of Anesthesiology; Louisville, Kentucky. 2007 Nov 19; Mishaps & Second Victims: Time to Talk About It.
5. Richardson MG. Department of Pediatric Anesthesia Fellows Conference. The Children's Hospital of Philadelphia; Philadelphia, Pennsylvania. 2008 May 28; Limited English Proficiency: Still An Underappreciated Source of Healthcare Disparity.
6. Richardson, MG. Medical Education Faculty Development Workshop. University of Rochester; Rochester, New York. 2009 Sep 23; The Purpose of Medical Education: Really Good Learning.
7. Richardson, MG. Grand Rounds. University of Rochester, Department of Anesthesiology; Rochester, New York. 2009 Sep 24; Expanding Our Thinking on Errors & Quality: A Moral Issue.

Workshop

1. Richardson, MG. Annual Meeting. Society for Education in Anesthesia; Rochester, New York. 1999 Jun 4; Workshop on Obstetrical Anesthesia Issues (METI Simulator) [Simulation in Anesthesia Education – a Comprehensive Approach].
2. Richardson MG. Fourth Annual Medical Education Conference: Assessing Outcomes Across the Medical Continuum. University of Rochester School of Medicine & Dentistry; Rochester, New York. 2001 Jun 7; Learning New Evaluation Methods – Structured Observation of Clinical Skills.
3. Richardson MG. GME Education Day on Professionalism & Communication Skills. University of Rochester School of Medicine, Office of Graduate Medical Education; Rochester, New York. 2001 Sep 17; Ethical Boundaries [3 x 1 hr sessions].
4. Richardson, MG. Annual Meeting. Society for Education in Anesthesia; Harrisburg, Virginia. 2004 Jun 5; ACGME Workshop: Patient Care in Anesthesiology [SEA Presidential Task Force on ACGME Core Competencies].
5. Richardson MG. Airway Management Workshop. Vanderbilt University Department of Anesthesiology; Nashville, Tennessee. 2005 Sep 17; Airway Management Adjuncts.
6. Richardson, MG. Vanderbilt Regional Anesthesia Workshop, Instructor. Anesthesiology Department, Vanderbilt University School of Medicine; Nashville, Tennessee. 2006 May 20; Vanderbilt Regional Anesthesia Workshop.
7. Richardson, MG, Santen SA, Shatzer JH. Annual Meeting. Association for Medical Education in Europe; Malaga, Spain. 2009 Aug 31; Workshop: Taking AMEE home, why wait? Delivering medical education faculty development at our home institutions now.

Medically Challenging Cases

1. Sinclair DR, Richardson MG. Midwest Anesthesia Residents Conference. Cleveland, Ohio. 1996 Mar; Postpartum headaches and cortical venous thrombosis [First Prize, Best Case Presentation].
2. Connery LE, Deignan MJ, Gujer MW, Richardson MG. Midwest Anesthesia Residents' Conference. Chicago, Illinois. 1997 Apr; Fatal and near-fatal intrinsic PEEP.
3. Fisher KL, Wissler R, Richardson MG. Midwest Anesthesia Residents Conference. Chicago, Illinois. 2000 Apr; Anesthesia for cesarean section in a parturient with hereditary hemorrhagic telangiectasia (Osler-Weber-Rendu).
4. Deuel JT, Wissler R, Richardson MG. Midwest Anesthesia Residents Conference. Chicago, Illinois. 2000 Apr; Subarachnoid block for cesarean section in a parturient with idiopathic thrombocytopenia and a platelet count of 51,000/mcL.

5. Grant MK, Wissler R, Richardson MG. Midwest Anesthesia Residents Conference. Chicago, Illinois. 2000 Apr; Lumbar epidural analgesia for labor in a patient with Landry-Guillain-Barre Syndrome.
6. Baysinger CL, Richardson MG. Annual Meeting. Society of Obstetric Anesthesia & Perinatology; Chicago, Illinois. 2008 May; Local anesthetic tachyphylaxis during prolonged labor: a cause of subsequent spinal anesthetic failure for cesarean section.
7. Lonergan D, Richardson MG. Annual Meeting. American Society of Anesthesiologists; Orlando, Florida. 2008 Oct; Profound postoperative weakness: perioperative diagnosis of paraneoplastic syndrome.
8. Hemachandra L, Richardson MG. Annual Meeting. American Society of Anesthesiologists; San Diego, California. 2010 Oct; Just a MAC for a breast biopsy: Quality outcomes lessons learned by listening carefully to the patient's perspective [Medically Challenging Case Program].
9. Wilson J, Richardson MG. Annual Meeting. American Society of Anesthesiologists; San Diego, California. 2010 Oct; Decision-making in the presence of uncertainty: A case of delayed recognition of late postpartum eclampsia due diagnostic bias.
10. Burrier C, Richardson MG. Annual Meeting. American Society of Anesthesiologists; San Diego, California. 2010 Oct; Protocolized Versus Personalized Medicine: Decision making when institutional pressures to standardize care conflict with complex and unique patient needs.
11. Belous A, Richardson MG, Boyle J. Am Soc of Anesthesiologists. American Society of Anesthesiologists; San Diego, California. 2010 Oct; Anatomy of a near miss: System failures & miscommunication in a case of placenta previa/percreta.
12. Wolin JA, Richardson MG, Baysinger CL. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Las Vegas, Nevada. 2011 Apr 17; Delayed Recognition & Treatment of Headache from Intracranial Hypotension Following Uneventful Epidural for Vaginal Delivery.
13. Maziad J, Richardson MG. Annual Meeting. American Society of Anesthesiologists; Chicago, Illinois. 2011 Oct 16; Extreme Hyperpyrexia of 108.3°F Following Administration of Vasopressor Therapy in the Setting of Septic Shock: Iatrogenic Heat Stroke?.
14. Mudrick TR, Richardson MG. Annual Meeting. Am Soc Anesthesiologists; New Orleans, Louisiana. 2014 Oct 11; Incapacitating Atypical Spinal Headache in an Undelivered Pre-Term Parturient: To Patch or Not to Patch?.
15. Schornack LA, Jennette M, Chestnut D, Richardson M. Annual Meeting. American Society of Anesthesiologists; San Diego, California. 2015 Oct 24; Successful Resuscitation During a Perimortem Cesarean Delivery in a Morbidly Obese Patient With Severe Preeclampsia and Pulmonary Edema.
16. DiMiceli-Zsigmond M, Richardson MG. Annual Meeting. SOAP; Boston, Massachusetts. 2016 May 20; Geleophysic Dysplasia, Difficult Airway, and Needle Phobia: Threading the Needle, Balancing Patient Autonomy & Safety.
17. DiMiceli-Zsigmond M, Richardson MG. Annual Meeting. SOAP; Boston, Massachusetts. 2016 May 20; Multidisciplinary Management of Life-Threatening Hypokalemia and Rhabdomyolysis in the Pregnant Patient: The OB Anesthesiology Consultant's Role in Obstetric Critical Illness.
18. Kook B, Kohorst K, Richardson MG. Annual Meeting. IARS; San Francisco, California. 2016 May 21; Eclampsia and Refractory, Severe Thrombocytopenia: The Vital Role of Uterine Tone in Preventing Postpartum Hemorrhage.
19. Richardson MG, Parks MD, Downing JW. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Boston, Massachusetts. 2016 May 22; Severe Preeclampsia, Platelet Count 40,000, and Spinal Anesthesia for Cesarean Delivery: Navigating Uncertainty at the Intersection of Patient Autonomy and Non-Maleficence.
20. Parks MD, Richardson MG, Downing JW. Annual Meeting. American Society of Anesthesiologists; Chicago, Illinois. 2016 Oct; Primum Non Nocere and Preserving Patient Autonomy: Neuraxial Anesthesia for Cesarean Delivery in a Preeclamptic Parturient with Platelet Count of 40,000.
21. Kook BT, Kohorst KL, Richardson MG. Annual Meeting. American Society of Anesthesiologists; Chicago, Illinois. 2016 Oct; Severe Thrombocytopenia in Pregnancy: Differential Diagnosis with Focus on Safe Delivery.
22. Obi OG, Richardson MG. Annual Meeting And Scientific Sessions. Tennessee Pain Society; Nashville, Tennessee. 2016 Nov; Cesarean Delivery with Epidural Anesthesia in a Parturient with Mitral Stenosis and Pulmonary Hypertension.
23. Obi OG, Richardson MG. 2017 Annual Meeting. American Academy of Pain Medicine; Orlando, Florida. 2017 Mar; Cesarean Delivery with Epidural Anesthesia in a Parturient with Mitral Stenosis and Pulmonary Hypertension.
24. Zajac AE, Richardson MG. Annual Meeting. American Society of Anesthesiologists; Boston, Massachusetts. 2017 Oct; Spinal Headache and Dental Pain Treated with Epidural Blood Patch: Referred Trigeminal Facial Pain Due to Negative Pressure CSF Physiology?.
25. Richardson MG, Niconchuk JA. Annual Meeting. Society for Obstetric Anesthesia and Perinatology; Miami, Florida. 2018 May 12; Epidural labor analgesia in the presence of preeclampsia and complex regional pain syndrome—24-hour pain-free period during postpartum magnesium infusion [Top Ten Best Case Reports of meeting].

26. Zic J, Spradling C, Raymond BL, Richardson MG. Annual Meeting. American Society of Anesthesiologists; 2020 Oct; A Curious Case of Digital Ischemia – Was the Arterial Line to Blame? [accepted].
27. Baranello B, Richardson MG. Annual Meeting. American Society of Anesthesiologists; 2020 Oct; Navigating Uncertainty And Preserving Patient Autonomy: Spinal Anesthesia For Urgent Cesarean Delivery In The Presence Of Acute Traumatic Subdural Hematoma [accepted].

Internal Grand Rounds

1. Richardson MG. Departmental Quality Assurance Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1993 Sep 23; Preoperative Detection of Pregnancy.
2. Richardson MG. Grand Rounds. University of Rochester, Department of Anesthesiology; Rochester, New York. 1995 Oct 5; Non-dextrose-containing intrathecal local anesthetics and opioids for obstetric analgesia: Effectiveness, side-effects, & influence of maternal posture.
3. Richardson MG. Grand Rounds. University of Rochester, Department of Anesthesiology; Rochester, New York. 1999 Jun 24; Spinal Lidocaine Toxicity: The Heavyweight Fights On.
4. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2003 Aug 15; Time for Competency-Based Education.
5. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2004 May 16; CBY-CA1 Clinical Orientation Program.
6. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2004 Jul 16; Feedback in Anesthesiology Training.
7. Richardson MG, Campbell L, Quinn D, Bingham J. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2004 Dec 10; Matrix (Reloaded): Systems Errors and 21st Century Medicine.
8. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2005 Sep 30; Local Anesthetic Tachyphylaxis.
9. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2006 May 12; Time for Competence-Based Education: Emphasis on Assessment.
10. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2007 Mar 16; Medical Mishaps & the Wounded Healer: Time to Talk About It.
11. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2007 Nov 30; Insights into Perioperative Vision Loss.
12. Richardson MG. Grand Rounds. Department of Anesthesiology; Nashville, Tennessee. 2008 Jan 25; Phenylephrine Toxicity & Acute Renal Failure: The Role of Communication & Systems in Two Adverse Outcomes.
13. Richardson, MG. Grand Rounds. Vanderbilt University, Department of Anesthesiology; Nashville, Tennessee. 2010 Jun 28; A Minor Complication from the Patient's Perspective: Getting Personal to Broaden Perspectives on Healthcare Quality.

Presentations at Scientific Meetings

1. Richardson MG, Thakur RB, Francisco DR, Wissler RN. Annual Meeting. American Society of Anesthesiologists; Atlanta, Georgia. 1995 Oct 24; Combined spinal epidural analgesia with intrathecal bupivacaine and fentanyl: Effects of patient position on extent of block and duration of analgesia [Anesthesiology 1995;83:A945].
2. Richardson MG, Setty GK, Rawoof SA. New York State Society of Anesthesiologists; New York, New York. 1995 Dec 7; Normal response to neuromuscular blocking agents in type-I neurofibromatosis (von Recklinghausen's disease): A ten-year retrospective study.
3. Dooley JW, Richardson MG. Midwest Anesthesia Residents Conference. Chicago, Illinois. 1996 Mar; Epidural versus general anesthesia for outpatient extracorporeal shock wave lithotripsy.
4. Hussain A, Richardson MG. Midwest Anesthesia Residents Conference. Cleveland, Ohio. 1996 Mar; Does midazolam premedication affect postoperative recovery and discharge times following outpatient laparoscopic tubal ligation?.
5. Setty GK, Richardson MG, Rawoof SA. Midwest Anesthesia Residents Conference. Cleveland, Ohio. 1996 Mar; Response to neuromuscular blocking agents inpatients with von Recklinghausen neurofibromatosis.
6. Dooley JW, Richardson MG. Midwest Anesthesia Residents Conference; Cleveland, Ohio. 1996 Mar; Acute facial, cervical, and thoracic subcutaneous emphysema: a complication of fiberoptic laryngoscopy.
7. Richardson MG, Wissler RN. Annual Meeting. American Society of Regional Anesthesia; San Diego, California. 1996 Mar 29; The density of human cerebrospinal fluid [Reg Anesth 1996;21:S29].
8. Richardson MG, Wissler RN. Annual Meeting. American Society of Regional Anesthesia (ASRA); San Diego, California. 1996 Mar 29; Density of dextrose-free local anesthetics, opioids and combinations used for intrathecal administration. [Reg Anesth 1996;21:S86].
9. Richardson MG, Wissler RN. Annual Meeting. Society for Obstetric Anesthesia and Perinatology; Tucson, Arizona. 1996 May; Tuohy needle bevel orientation during epidural catheter placement: effect on analgesic success during labor.

10. Richardson MG, Wissler RN. Annual Meeting. Society for Obstetric Anesthesia and Perinatology; Tucson, Arizona. 1996 May; Pregnancy-associated changes in cerebrospinal fluid density.
11. Richardson MG, Wissler RN. Annual Meeting. Society for Obstetric Anesthesia and Perinatology; Tucson, Arizona. 1996 May; Many dextrose-free intrathecal anesthetics are hypobaric relative to human cerebrospinal fluid.
12. Richardson MG, Wissler RN. Annual Meeting. American Society of Anesthesiologists; Atlanta, Georgia. 1996 Oct 22; Tuohy needle bevel orientation during epidural catheter placement: effects on analgesic success during labor.
13. Richardson MG, Wu CL, Hussain A. Annual Postgraduate Assembly. New York State Society of Anesthesiologists; New York, New York. 1996 Dec 7; The effects of midazolam premedication on sedation and recovery following brief outpatient general anesthesia.
14. Richardson MG, Singh M, Wissler RN. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Bermuda. 1997 Apr; Do very obese parturients experience spinal headache after inadvertent dural puncture using an 18 G Tuohy needle?
15. Richardson MG, *Collins HV, Wissler RN. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Bermuda. 1997 Apr; Intrathecal plain versus hyperbaric bupivacaine with morphine for cesarean section: comparison of effectiveness, side effects, and sedation.
16. Richardson MG, Collins HV, Wissler RN. Annual Meeting. American Society of Anesthesiologists; San Diego, California. 1997 Oct 21; Intrathecal plain versus hyperbaric bupivacaine with morphine for cesarean section: comparison of effectiveness, side effects, and sedation [Anesthesiology 1997;87:AS890].
17. Eaton MP, Richardson MG. Annual Postgraduate Assembly. New York State Society of Anesthesiologists; New York, New York. 1997 Dec 13; Intravenous sedation using remifentanyl for immersion extracorporeal shock wave lithotripsy.
18. Richardson MG, Wissler RN, Bedard J, Porth J. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Vancouver, Canada. 1998 Apr; Spinal lidocaine vs bupivacaine for cesarean section.
19. Richardson MG, Wissler RN, *Bédard J, *Porth J. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Vancouver, Canada. 1998 Apr; Cervical cerclage: spinal Lidocaine vs bupivacaine/fentanyl [Anesthesiology 1998;88:A32].
20. Tariq-Qureshi M, Richardson MG. 1998 Chief Residents' Commencement Events. University of Rochester, Dept of Obstetrics & Gynecology; Rochester, New York. 1998 Jun; Effect of transcervical injection of 0.5% bupivacaine on pain after outpatient laparoscopic sterilization under general anesthesia.
21. Richardson MG, Wissler RN. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Denver, Colorado. 1999 Apr; Defining the onset of labor analgesia [Anesthesiology 1999;90:A65].
22. Henson LC, Richardson MG, Stern DH, Shekhter I. International Meeting of Medical Simulation. Society for Simulation in Health Care; Scottsdale, Arizona. 2001 Jan 13; Using the Human Patient Simulator to Credential First-Year Anesthesiology Residents for Taking Overnight Call.
23. Richardson MG. Annual Meeting. Soc for Education in Anesthesia; Cleveland, Ohio. 2001 May 31; A curriculum for resident competence in critical reading skills.
24. Richardson MG. Annual Meeting. Society for Education in Anesthesia; Cleveland, Ohio. 2001 Jun 1; A curriculum for resident competence in communication & teaching.
25. Richardson MG. Annual Meeting. American Society of Anesthesiologists; New Orleans, Louisiana. 2001 Oct 14; A curriculum for resident competence in communication & teaching [Anesthesiology, 95, A1142, 2001].
26. Easdown LJ, Richardson MG. Annual Meeting. Society Education in Anesthesia; Montreal, Canada. 2003 Jun 7; Assessment of ACGME competencies: beginning with the resident selection process.
27. Gillespie SE, Richardson MG. Annual Meeting. Society Education in Anesthesia; Montreal, Canada. 2003 Jun 7; Assessment of resident & faculty perspectives on the general operating room learning experience.
28. Richardson MG, Barwise JA. Society of Education in Anesthesia; Montreal, Canada. 2003 Jun 7; The use of a time & attendance badge reader system to audit resident work hours.
29. Richardson MG. Annual Meeting. Soc for Education in Anesthesia; Santa Fe, New Mexico. 2007 Jun; Clinical Transaction Project: Management of Acute Pain [Oral Presentation; First Prize, Best Curriculum Abstract of Meeting].
30. Richardson MG. Annual Meeting. Society for Education in Anesthesia; Santa Fe, New Mexico. 2007 Jun; Asynchronous e-Learning: Blending Web-based Technology with Morning Conference to Keep the Discussion Going.
31. Richardson MG. Annual Meeting. Association of Medical Education in Europe (AMEE); Prague, Czech Republic. 2008 Sep; Pain assessment & management: an innovative medical student instructional experience.
32. Richardson MG. Annual Meeting. Association for Medical Education in Europe (AMEE); Malaga, Spain. 2009 Sep 1; Medical education faculty development seminars: bringing core knowledge home.

33. Richardson MG. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Las Vegas, Nevada. 2011 Apr 14; Case Based Assessment (CBA): Perceived learning effects of peer presence during formal assessed case presentations.
34. Richardson MG. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Las Vegas, Nevada. 2011 Apr 14; Brief qualitative post-partum interviews: Alternative perspectives (the patient) on the quality of our work. Soc for Obstetric Anesthesia & Perinatology.
35. Richardson MG. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Las Vegas, Nevada. 2011 Apr 14; Case Based Assessment (CBA): Effects on adult learning behaviors, metacognition, & transfer of learning, Soc for Obstetric Anesthesia & Perinatology, 2011 Annual Meeting, Las Vegas.
36. Richardson MG. Annual Meeting. Society for Obstetric Anesthesia & Perinatology; Las Vegas, Nevada. 2011 Apr 16; Case Based Assessment (CBA): What value does it add to the OB anesthesia resident learning experience?.
37. Hester D, McGrane S, Higgins M, Richardson M. Annual Spring Meeting. Society for Education in Anesthesia; San Antonio, Texas. 2011 Jun 4; Striving for ideal airway management: an intervention to foster mastery of fiberoptic intubation skills in anesthesiology residents.
38. Ray AP, Richardson MG, McWeeney DT. Annual Meeting. Soc for Obstet Anesth & Perinatol (SOAP); Monterey2012 May 4; Obstetric Practice Survey: Factors perceived to promote successful management of challenging or risky obstetric patient situations.
39. McWeeney DT, Ray AP, Richardson MG. Annual Meeting. Soc for Obstet Anesth & Perinatol (SOAP); Monterey2012 May 5; Inter-Professional Practice Survey: Factors enhancing collaborative obstetric care.
40. Richardson MG, McWeeney DT, Ray AP. Annual Meeting. Soc for Obstet Anesth & Perinatol (SOAP); Monterey2012 May 5; Obstetrics Practice Survey: Perceived Barriers to Collaborative Inter-Professional Care.
41. Richardson MG, Domaradzki K, McWeeney DS. Annual Meeting. Society for Obstetric Anesthesia & Perinatology (SOAP); San Juan, Puerto Rico. 2013 Apr 25; Introduction of an Obstetric Emergency Team (OBET) Response System: Response Dose as a Metric of Successful Implementation.
42. Richardson MG, Domaradzki K, McWeeney DS. Annual Meeting. Society for Obstetric Anesthesia & Perinatology (SOAP); San Juan, Puerto Rico. 2013 Apr 26; Obstetric Emergency Team (OBET) Response System: Activation Triggers and Location of Request Origination.
43. Richardson MG, Buck MV, Baysinger CL, Domaradzki K, Spetalnick B. Annual Meeting. Society for Obstetric Anesthesia & Perinatology (SOAP); San Juan, Puerto Rico. 2013 Apr 27; Timeliness of Indicated & Urgent Cesarean Delivery: An Inter-Professional Approach to Improving Decision-to-OR Entry Intervals.
44. Richardson MG. Canadian Conference on Medical Education. Association for Medical Education in Europe & 5 Canadian medical organizations; Ottawa, Canada. 2014 Apr 27; Novice to July-Ready in 20 days: Implementation & Assessment of an Intensive Anesthesiology Clinical Introductory Program.
45. Richardson MG. 16th Ottawa Conference & 12th Canadian Conference on Medical Education (CCME). Association for Medical Education in Europe & 5 Canadian medical organizations; Ottawa, Canada. 2014 Apr 28; Quality of Written Comments on Clinical Performance in a Four-Week Introductory Anesthesiology Program: Directed Content Analysis.
46. Richardson MG. 16th Ottawa Conference & 12th Canadian Conference on Medical Education (CCME). Association for Medical Education in Europe & 5 Canadian medical organizations; Ottawa, Canada. 2014 Apr 28; Specialty-Specific Clinical Performance Milestones Evaluation in an Introductory Anesthesiology Program: Correlation between Composite Independence Scores & Recommended Supervisory Levels.
47. Boyle J, Baysinger C, DiMicelli M, Richardson M. Annual Meeting. Society of Obstetric Anesthesiologists & Perinatologists; Toronto, Canada. 2014 May 15; Use of a Time Out Checklist Identifies Deficiencies in Obstetric Preanesthetic Preparation.
48. DiMicelli M, Williams AK, Richardson MG. Annual Meeting. Society of Obstetric Anesthesiologists & Perinatologists; Toronto, Canada. 2014 May 16; Expecting the unexpected: What does it mean to carry death instead of life?.
49. Lopez B, Richardson MG, Baysinger CL, Chestnut DH. Annual Meeting. SOAP; Boston, Massachusetts. 2016 May 21; Nitrous Oxide during Labor: What Matters, Analgesic Effectiveness or Patient Satisfaction?.
50. Lopez B, Richardson MG, Chestnut DH. Annual Meeting. SOAP; Boston, Massachusetts. 2016 May 22; Anesthesia for Parturients with Corrected Transposition of the Great Arteries.
51. Osmundson, S, Grash J, Schornack L, Young J, Bennett K, Richardson MG. 37th Annual Pregnancy Meeting. Society for Maternal Fetal Medicine; Las Vegas, Nevada. 2017 Jan 27; Opioid use after cesarean delivery following hospital discharge.
52. Richardson MG, Raymond BL, Baysinger CL, Chestnut DH. Annual Meeting. Society of Obstetric Anesthesia & Perinatology; Bellevue, Washington. 2017 May 12; Determinants of satisfaction among women who deliver vaginally using nitrous oxide as their sole labor analgesic: A conventional qualitative content analysis of recorded patient comments.
53. Schornack LA, Richardson MG, Osmundson SO, Grash JL, Zuckerwise LC. Annual Meeting. Society of Obstetric Anesthesia & Perinatology; Bellevue, Washington. 2017 May 12; Opioid

- Prescription/Patient Use Mismatch: Prospective Cohort Study of Post-Discharge Opioid Use Following Cesarean [SOAP Patient Safety Award; Top 15 Research Poster].
54. Lopez BM, Richardson MG, Wanderer JP. Annual Meeting. Society of Obstetric Anesthesia & Perinatology; Bellevue, Washington. 2017 May 13; Development of a System to Identify Antenatal Non-Obstetric Surgery Cases: Meeting Fellowship Program Educational Goals and ACGME Requirements.
 55. Osmundson SS, Lam L, Raymond BL, Kook BT, Thompson EB, Voorhees CE, Richardson MG. Annual Meeting. American College of Obstetricians and Gynecologists; Austin, Texas. 2018 Apr 28; Standard versus Customized Post-Cesarean Opioid Prescription: A Randomized Controlled Trial to Reduce Unused Opioids.
 56. Raymond BL, Kook BT, Richardson MG, Voorhees CE, Schornack LA, Osmundson SS. Annual Meeting. Society for Obstetric Anesthesia and Perinatology; Miami Beach, Florida. 2018 May 10; A Randomized Controlled Trial to Reduce Unused Opioids after Cesarean Delivery [First Prize, Gertie Marx Research Competition].
 57. Kook BT, Raymond BL, Richardson MG. Annual Meeting. Society for Obstetric Anesthesia and Perinatology; Miami, Florida. 2018 May 11; Communication with Limited English Proficiency Patients: A Needs Analysis Survey of Obstetric Anesthesiology Residents.
 58. Thampy MS, Lam L, Osmundson SS, Richardson MG. Annual Meeting. Society of Obstetric Anesthesia & Perinatology; Phoenix, Arizona. 2019 May 3; Impact of Enhanced Pre-Discharge Analgesic Counseling on Post-Discharge Knowledge Retention and Disposal of Opioids following Cesarean Delivery.
 59. Lam L, Thampy MS, Osmundson SS, Richardson MG. Annual Meeting. Society of Obstetric Anesthesia & Perinatology; Phoenix, Arizona. 2019 May 3; Pro Re Nata or "Per Registered Nurse"? Observed Clinical Variation in PRN Analgesic Administration and Implications for Pain Research.
 60. Richardson MG, Johnson RF, Thampy MS, Baysinger CL. Annual Meeting. Society of Obstetric Anesthesia & Perinatology; Phoenix, Arizona. 2019 May 3; Evaluation of Maternal-Fetal Placental Transfer of Sugammadex using the Dual-Perfused, Single, Isolate, Human Placental Cotyledon [oral presentation; 1st Prize Award, Best Paper Session].
 61. Lam L, Richardson M, Thampy M, Zhao Z, Ha L, Osmundson. 40th Annual Meeting. Society for Maternal Fetal Medicine; Grapevine, Texas. 2020 Feb 11; Education to decrease discharge outpatient opioid use: a randomized controlled trial.
 62. Dwan RL, Richardson MG. 52nd Annual Meeting. Society for Obstetric Anesthesiologists & Perintologists; Halifax NS, Canada. 2020 May; Shared Decision Making in the Face of Uncertainty: Spinal Anesthesia for Cesarean Delivery in Parturient with Arnold-Chiari Malformation, Cervicothoracic Syringomyelia, and Tethered Thoracic Cord (abstract accepted, meeting cancelled).
 63. Ende HB, Sorabella LL, Raymond BL, Richardson MG, Feng S, Bauchat J. 52nd Annual Meeting. Society for Obstetric Anesthesiologists & Perintologists; Halifax NS, Canada. 2020 May; Gabapentin does not affect post-cesarean opioid consumption or pain scores in women taking buprenorphine and receiving neuraxial morphine: a 10-year retrospective cohort study (abstract accepted, meeting cancelled).
 64. Dwan RL, Raymond BL, Richardson MG. 52nd Annual Meeting. Society for Obstetric Anesthesiologists & Perintologists; Halifax NS, Canada. 2020 May; Practice at Odds with Recommendations for Preventing Contraceptive Failure after Sugammadex Exposure: A Survey of Providers' Knowledge, Clinical Practices, and Views on Patient Autonomy and Shared Decision Making (abstract accepted, meeting cancelled).

Problem based learning discussion

1. Richardson MG. Annual Meeting. American Society of Anesthesiologists; San Francisco, California. 2003 Oct 13; Anesthetizing the aged: postoperative delirium in the elderly surgical patient.
2. Richardson, MG. Annual Meeting. American Society of Anesthesiologists; San Francisco, California. 2007 Oct 13; Medical Mishaps & the Forgotten Victim: Preserving Physician Health in the Face of Bad Outcomes.
3. Richardson MG. Annual Meeting. American Society of Anesthesiologists; Orlando, Florida. 2008 Oct 18; Mishaps & 2nd Victims: Physician Health in Wake of Bad Outcomes & Setting the Course for Improvement.
4. Richardson, MG. Annual Meeting [Oct 20 & 21 2008]. American Society of Anesthesiologists; Orlando, Florida. 2008 Oct 20; Limited English Proficiency: Bridging the Language Chasm is a Clinical Imperative" Problem-based learning discussion.
5. Richardson MG. Annual Meeting. American Society of Anesthesiologists; Chicago, Illinois. 2011 Oct 17; Limited English Proficiency: Bridging the Language Chasm to Ensure Equitable & Safe Health Care.
6. Richardson MG. Annual Meeting. American Society of Anesthesiologists; Chicago, Illinois. 2011 Oct 18; Mishaps & 2nd Victims: Physician Health, Healing, and Improvement in the Wake of Bad Outcomes.

Other

1. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1993 Aug 5; Malignant Hyperthermia.
2. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1994 Aug 25; Postpartum Hemorrhage.
3. Richardson MG. Departmental Case Conference. University of Rochester Dept of Anesthesiology; Rochester, New York. 1995 Jan 12; Airway management in patients with unstable C-spine; and postoperative neurologic complications in a patient with cervical spondylosis.
4. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1995 Apr 27; Lidocaine Neurotoxicity – Does it exist?.
5. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1995 May 25; Postoperative voice change: Intra-operative neuromuscular junction monitoring.
6. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1995 Sep 24; Airway management in patients with unstable C-spine; and postoperative neurologic complications in a patient with cervical spondylosis.
7. Richardson MG. Departmental Quality Improvement Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1995 Nov 16; Carotid artery cannulation during pulmonary artery catheterization.
8. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1995 Nov 30; Cortical vein thrombosis masquerading as postdural puncture headache in post-cesarean section patient.
9. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1996 Jun 27; Critical review of the intrathecal component of the epidural test dose.
10. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1996 Oct 17; Surprise! Can't intubate.
11. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1996 Oct 31; + hCG: Emergent surgery for a pregnant trauma victim.
12. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1997 Feb 27; Fatal and Near Fatal Auto PEEP.
13. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1997 May 8; Perioperative Pulmonary Aspiration.
14. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1997 Sep 4; Maternal Physiologic Changes – Anesthetic Implications for the Parturient Scheduled for Cesarean Section.
15. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 1997 Oct 16; High Spinal Block in Obstetrics.
16. Richardson MG. Annual Meeting. American Society of Anesthesiologists; San Diego, California. 1998 Oct 22; Obstetric Anesthesia and Perinatology: Perinatal Pharmacology/ Physiology [Scientific Poster Session Moderator].
17. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 2000 Aug 10; General Anesthesia & Maternal Mortality.
18. Richardson MG. Departmental Case Conference. University of Rochester, Department of Anesthesiology; Rochester, New York. 2001 Jan 25; Preeclampsia & Other Life-Threatening Maternal Conditions.
19. Richardson, MG. Medical Education Journal Club. Vanderbilt University Office of Teaching & Learning in Medicine; Nashville, Tennessee. 2006 Oct 12; Speed kills? Speed, accuracy, encapsulations, and causal understanding.
20. Richardson, MG. Medical Education Journal Club. Vanderbilt University Office of Teaching & Learning in Medicine; Nashville, Tennessee. 2007 Jun 14; Orienting teaching toward the learning process.
21. Richardson MG, Buck MV, Baysinger CL, Domaradzki K, Spetalnick B. 2013 Leadership Summit. Tennessee Hospital Association (THA); Nashville 2013 Oct 30; Timeliness of Indicated & Urgent Cesarean Delivery: An Inter-Professional Approach to Improving Decision-to-OR Entry Intervals.
22. Richardson MG. Celebrating 50 Years: Anesthesiology & Perioperative Medicine. University of Rochester Medical Center; Rochester, New York. 2019 Sep 21; Is a case report research? The value of close observation, an open mind, and curiosity.

External Grand Rounds

1. Richardson MG. Grand Rounds. Highland Hospital, Department of Anesthesiology; Rochester, New York. 1996 Nov 7; Preoperative Evaluation of the Pregnant Patient for Nonobstetric Surgery.

- Richardson MG. Grand Rounds, Depts. of Anesthesiology, Surgery, & Perioperative Nursing. The Children's Hospital of Philadelphia; Philadelphia, Pennsylvania. 2008 May 29; Emotional Responses to Mishaps: Adaptive & Productive Next Steps.
- Richardson, MG. Grand Rounds. Vanderbilt University, Department of Obstetrics & Gynecology; Nashville, Tennessee. 2011 Apr 8; Reflecting Together on Postpartum Hemorrhage: Attending to Inter-Professional Teamwork as a Source of Quality Improvement.
- Richardson MG. Combined OB/Gyn, Anesthesiology, and Nursing Grand Rounds. Greenville Health System; Greenville, South Carolina. 2017 Aug 16; Nitrous Oxide Labor Analgesia: Seven-Year Experience at a Tertiary Care Center.

Panel Presentation

- Richardson MG. Annual Fall Meeting. Society for Education in Anesthesia; Orlando, Florida. 2002 Oct 11; Resident Work Hours: Entitlement or Abuse? [Panel on The Entitled Trainee: Culture Clash].
- Richardson MG. Annual Meeting. American Society of Anesthesiologists; San Francisco, California. 2003 Oct 14; Assessing Technical Competence.
- Richardson MG. Annual Meeting. Society for Education in Anesthesia; Nashville, Tennessee. 2006 Jun 2; Learning Can Be Measured: Pro/Con [debate moderator].
- Richardson MG, Henson L, Lagasse R. Annual Meeting. American Society of Anesthesiologists; Orlando, Florida. 2008 Oct 19; In-Depth Analysis of Outcomes to Derive Maximal Benefit from Errors: An Individual Opportunity and Responsibility [Panel: Educating Anesthesiologists to Improve Care].
- Richardson MG (moderator), Iannoli ED, Adams DC. Annual Meeting. American Society of Anesthesiologists; Chicago, Illinois. 2011 Oct 19; Effects of Medical Mishaps on Second Victims: Strategies for Adaptive Coping, Preserving Well-Being, and Enhancing Learning.

Invited Presentation - Local

- Richardson MG. Visiting Faculty Lecture. University of Rochester, Dept of Anesthesiology; Rochester, New York. 1992 Dec 18; Anesthetic Considerations in Patients After Heart Transplant.
- Richardson MG. Neonatology Fellows Conference. University of Rochester, Department of Pediatrics; Rochester, New York. 1994 Apr 28; The Effects of Obstetric Anesthesia on the Neonate.
- Richardson MG. Obstetric Nursing Didactic Conference. Strong Memorial Hospital; Rochester, New York. 1995 Jun 13; Neuraxial Analgesia and Anesthesia for the Parturient.
- Richardson MG. PACU Nursing Conference. Strong Memorial Hospital; Rochester, New York. 1997 Jan 30; Midazolam premedication for outpatient anesthesia: Effects on recovery.
- Richardson MG. Materno-Fetal Medicine Faculty Conference. University of Rochester, Department of Obstetrics & Gynecology; Rochester, New York. 1999 Sep 21; Maternal Physiologic Changes.

Invited Presentation - Regional

- Richardson MG. Upstate Anesthesia Conference. New York State Society of Anesthesiologists; Rochester, New York. 1994 Sep 24; Postpartum Neurologic Complications: What is the Role of the Anesthesiologist?.
- Richardson MG. Perinatology Resident Conference. Highland Hospital; Rochester, New York. 1994 Nov 22; Considerations in Obstetric Anesthesia.
- Richardson MG. Outcomes from Anesthesia & Perioperative Medicine: Celebrating 50 Years of Anesthesiology at the University of Rochester. University of Rochester, Department of Anesthesiology; Rochester, New York. 2000 May 20; Excellence [Symposium Keynote Address].

Invited Presentation - National

- Richardson MG. Joint Annual Meeting. Society for Obstetric Anesthesia & Perinatology and Society for Education in Anesthesia; Vancouver, Canada. 1998 Apr 29; Management of Critical Events in Obstetric Anesthesia.
- Richardson MG. Annual Meeting. Association of University Anesthesiologists; Milwaukee, Wisconsin. 2003 May 2; The ACGME Outcomes Project: Competencies, Outcomes, and Quality: Opportunities for Scholarship & Leadership.
- Richardson MG. Annual Meeting. Society for Education in Anesthesia; Nashville, Tennessee. 2006 Jun 2; Resident Education: Time for Competency-Based Education.
- Richardson MG & Hines K. ACGME Annual Education Conference. Accreditation Council for Graduate Medical Education (ACGME); Orlando, Florida. 2007 Mar 4; Good Conversations about Bad Outcomes.

Podcasts / Webinar

1. Richardson MG. OB Anesthesia Fellows Virtual Grand Rounds [live webinar]. Soc for Obstet Anesth & Perinatol / OpenAnesthesia.org; Nashville, Tennessee. 2014 Oct 8; Bridging the Language & Cultural Chasm: Low Hanging Quality Improvement Fruit.
2. Richardson, MG. OB Anesthesia Fellows Virtual Grand Rounds [live webinar]. Society for Obstetric Anesthesia & Perinatology / OpenAnesthesia.org; Nashville, Tennessee. 2016 Feb 10; Late term fetal loss and severe life-limiting fetal conditions: Delivering patient-centered anesthetic care.
3. Richardson MG. Open Anesthesia Article of the Month. <https://www.openanesthesia.org/article-of-the-month/>; 2017 Feb; Author Interview - Nitrous Oxide During Labor: Maternal Satisfaction Does Not Depend Exclusively on Analgesic Effectiveness.
4. Richardson MG. OB Anesthesia Fellows Virtual Grand Rounds [live webinar]. Soc Obstet Anesth Perinatol / OpenAnesthesia.org; Nashville, Tennessee. 2017 Aug 9; Understanding why mothers die: Benefits & challenges of systematic study of maternal mortality.