

# Sally Ann Mitchell, EdD, MMSc

<b>EDUCATION</b> .....	<b>5</b>
<b>APPOINTMENTS</b> .....	<b>5</b>
ACADEMIC.....	5
CLINICAL.....	6
<b>LICENSURE, CERTIFICATION, SPECIALTY BOARD STATUS</b> .....	<b>6</b>
LICENSURE.....	6
CERTIFICATION .....	6
<b>PROFESSIONAL ORGANIZATION MEMBERSHIPS</b> .....	<b>7</b>
<b>PROFESSIONAL HONORS AND AWARDS</b> .....	<b>8</b>
TEACHING.....	8
SCHOLARSHIP .....	8
<b>PROFESSIONAL DEVELOPMENT</b> .....	<b>8</b>
<b>TEACHING</b> .....	<b>15</b>
<b>TEACHING ASSIGNMENTS</b> .....	<b>15</b>
MEDICAL STUDENT EDUCATION .....	15
GRADUATE MEDICAL EDUCATION – RESIDENTS AND FELLOWS .....	16
HEALTH PROFESSIONALS IN-SITU SIMULATION EDUCATION.....	20
GRADUATE STUDENT EDUCATION .....	20
<i>Doctor of Education (EdD)</i> .....	20
<i>Master of Science in Anesthesia (MSA)</i> .....	21
<i>Master of Education in the Health Professions (MEd; MEHP)</i> .....	22
<i>Master of Medical Science in Anesthesiology (MMSc)</i> .....	22
UNDERGRADUATE STUDENT EDUCATION .....	24
<i>General Education; Health Professions (BA, BS)</i> .....	24
CONTINUING EDUCATION.....	24
<b>MENTORING</b> .....	<b>27</b>
<b>TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT</b> .....	<b>29</b>
<b>GRANTS/FELLOWSHIPS IN TEACHING</b> .....	<b>31</b>
COMPLETED FUNDED TEACHING GRANTS/FELLOWSHIPS .....	31
ACTIVE FUNDED TEACHING GRANTS/FELLOWSHIPS .....	31
SUBMITTED BUT NOT FUNDED TEACHING GRANTS/FELLOWSHIPS.....	31
COMPLETED UNFUNDED TEACHING/EDUCATION RESEARCH PROJECTS .....	32
ACTIVE UNFUNDED TEACHING/EDUCATION RESEARCH PROJECTS .....	33
<b>INVITED PRESENTATIONS - TEACHING</b> .....	<b>33</b>
REGIONAL .....	33
NATIONAL .....	37
INTERNATIONAL.....	38

<b>SERVICE IN TEACHING .....</b>	<b>41</b>
DEPARTMENT .....	41
SCHOOL/COLLEGE .....	41
CAMPUS.....	43
UNIVERSITY.....	43
REGIONAL.....	44
NATIONAL .....	44
INTERNATIONAL.....	44
<b>RESEARCH/CREATIVE ACTIVITY .....</b>	<b>45</b>
<b>GRANTS/FELLOWSHIPS IN RESEARCH .....</b>	<b>45</b>
ACTIVE FUNDED RESEARCH GRANTS/FELLOWSHIPS .....	45
SUBMITTED BUT NOT FUNDED RESEARCH GRANTS/FELLOWSHIPS .....	45
ACTIVE UNFUNDED RESEARCH PROJECTS .....	45
<b>INVITED PRESENTATIONS - RESEARCH .....</b>	<b>46</b>
LOCAL.....	46
<b>SERVICE IN RESEARCH.....</b>	<b>46</b>
SCHOOL/COLLEGE .....	46
UNIVERSITY.....	46
REGIONAL.....	47
NATIONAL .....	47
INTERNATIONAL.....	47
<b>SERVICE .....</b>	<b>47</b>
<b>UNIVERSITY SERVICE.....</b>	<b>47</b>
DEPARTMENT .....	47
CAMPUS.....	48
UNIVERSITY.....	48
<b>PROFESSIONAL SERVICE.....</b>	<b>48</b>
STATE .....	48
NATIONAL .....	49
INTERNATIONAL.....	49
<b>PATIENT CARE/CLINICAL SERVICE .....</b>	<b>50</b>
CLINICAL SERVICE .....	50
<b>PUBLICATIONS .....</b>	<b>50</b>
<b>TEACHING .....</b>	<b>50</b>
REFEREED .....	50
<i>Abstract</i> .....	50
<i>Book Chapter</i> .....	51
<i>Doctoral Dissertation</i> .....	51
<i>Journal Article</i> .....	51
<i>Panel/Commission Report</i> .....	53
<i>Teaching Pamphlet/Cognitive Aid/Video</i> .....	53
NON-REFEREED.....	53

<i>Book</i> .....	53
<i>Policy Development/Revision</i> .....	54
<i>Teaching/Performance Evaluations</i> .....	55
<b>RESEARCH/CREATIVE ACTIVITY</b> .....	<b>56</b>
REFEREED .....	56
<i>Journal Article</i> .....	56

## Sally Ann Mitchell, EdD, MMSc

Indiana University School of Medicine  
Department of Anesthesia  
(317) 274-0280  
mitsasaa@iu.edu

6640 Westminister Dr  
Zionsville IN 46077  
(678) 358-8138  
sallymitchell18@icloud.com (preferred)

### EDUCATION

Undergraduate Studies, non-degree seeking. Northern Kentucky University, Alexandria, KY  
(Summer 1994)

BA, Biology. Hanover College, Hanover, IN (Conferred 1995)

Graduate Studies in Medical Science - Anatomy, Physiology, non-degree seeking.  
Indiana University School of Medicine, Bloomington, IN (1995 – 1997)

MMSc, Master of Medical Science in Anesthesiology and Patient Monitoring Systems.  
Emory University School of Medicine, Atlanta, GA (Conferred 1999)

EdD, Doctor of Education, Instructional Design for Online Teaching and Learning, Higher  
Education. Johns Hopkins University School of Education, Baltimore, MD (Conferred 2016)

**Mitchell SA.** *Instructional Design, Implementation Strategies, and Evaluation of ANES 525 Applied Anatomy for Anesthesia Practice: Transformation of a Dissection-Based Basic Science Course into a Technology and Clinically Based Anatomy Course for Anesthesiologist Assistant Students.* Baltimore, MD: Johns Hopkins University. 2016.  
<http://jhir.library.jhu.edu/handle/1774.2/39743>

### APPOINTMENTS

#### ACADEMIC

Program Faculty, Master of Medical Science in Anesthesiology, Department of Anesthesiology,  
Emory University School of Medicine, Atlanta, GA. (Aug 2011 – Dec 2016)

Adjunct Faculty, Master of Education in the Health Professions Program, Johns Hopkins  
University School of Education, Baltimore, MD. (Aug 2016 – Jun 2021)

Assistant Professor, Department of Anesthesia, Indiana University School of Medicine,  
Indianapolis, IN. (Jan 2017 – Jun 2021)

Director of Educational Quality and Research, Department of Anesthesia, Indiana University  
School of Medicine, Indianapolis, IN. (Jan 2017 – Apr 2019)

Statewide Assistant Clerkship Director, Department of Anesthesia, Indiana University School of  
Medicine, Indianapolis, IN. (Jan 2017 – Present)

Assistant Program Director, Master of Science in Anesthesia, Department of Anesthesia, Indiana  
University School of Medicine, Indianapolis, IN. (Apr 2017 – Feb 2019)

Vice Chair of Education, Department of Anesthesia, Indiana University School of Medicine,  
Indianapolis, IN. (Mar 2019 – Present)

Associate Professor, Department of Anesthesia, Indiana University School of Medicine,  
Indianapolis, IN. (Jul 2021 – Present)

## CLINICAL

Certified Anesthesiologist Assistant, Georgia Perioperative Consultants, Piedmont Hospital,  
Atlanta, GA (Aug 1999 – Jan 2002)

Certified Anesthesiologist Assistant, Emory Healthcare, Emory University Hospital Midtown,  
Atlanta, GA (Mar 2002 – Dec 2016)

Certified Anesthesiologist Assistant, Indiana University Health Physicians, IU Health University  
Hospital, Indianapolis, IN (Jan 2017 – Present)

## LICENSURE, CERTIFICATION, SPECIALTY BOARD STATUS

### LICENSURE

Anesthesiologist Assistant (PA-S #003351), Georgia State Composite Medical Board  
(Aug 1999 – Sep 2017)

Anesthesiologist Assistant (AA #75000008A), Medical Licensing Board of Indiana, Professional  
Licensing Agency (Dec 2016 – Present)

### CERTIFICATION

Certified Anesthesiologist Assistant (CAA #422), National Commission for the Certification of  
Anesthesiologist Assistants (Aug 1999 – Present)

Certifying Examination, primary certification (Jun 1999)

Continued Demonstration of Quality, recertification examination (Jun 2005)

Continued Demonstration of Quality, recertification examination (Jun 2011)

Continued Demonstration of Quality, recertification examination (Jun 2017)

\*Continued Demonstration of Quality, recertification examination (Jun 2023)

Basic Life Support, American Heart Association (1999 – Present)

Advanced Cardiac Life Support, American Heart Association (1999 – Present)

Medical Education Research Certificate, Association of American Medical Colleges (2014)

Pediatric Advanced Life Support, American Heart Association (2016 – Present)

\*Certified Higher Education Peer Reviewer, Quality Matters (2020 – Present)

\*Certified Higher Ed Publisher Peer Reviewer, Quality Matters (2020 – Present)

\*Certified K-12 Education Peer Reviewer, Quality Matters (2020 – Present)

\*Certified K-12 Publisher Peer Reviewer, Quality Matters (2020 – Present)

\*Certified Accessible Documents Reviewer: Word, PowerPoint, Acrobat, WebAIM, Center for  
Persons with Disabilities (2021 – Present)

\*Central Line Insertion Trainer, Indiana University Health (2021 – Present)

\*Certified Professional, Society for Human Resource Management (2022 – Present)

## **PROFESSIONAL ORGANIZATION MEMBERSHIPS**

American Academy of Anesthesiologist Assistants (1997 – Present)

American Society of Anesthesiologists (2002 – Present)

Georgia Academy of Anesthesiologist Assistants (2011 – 2016)

Society for Education in Anesthesia (2012 – Present)

Georgia Society of Anesthesiologists (2013 – 2016)

Michigan Academy of Anesthesiologist Assistants (2013 – 2016)

American Medical Association (2014 – Present)

Colorado Academy of Anesthesiologist Assistants (2015 – 2017)

Texas Academy of Anesthesiologist Assistants (2015 – 2017)

Society for Airway Management (2016 – 2017)

Association of Anesthesiologist Assistant Program Directors (2017 – 2019)

Society of Academic Associations of Anesthesiology and Perioperative Medicine (2017- Present)

Association of Anesthesiology Program Administrators and Educators (2017 – Present)

Society of Simulation in Healthcare (2017 – Present)

Indiana Society of Anesthesiologists (2018 – Present)

Society for Pediatric Anesthesia (2019 – 2021)

Indiana Academy of Anesthesiologist Assistants (2019 – Present)

Association of American Medical Colleges (2019 – Present)

Group on Educational Affairs of AAMC (2019 – Present)

Central Group on Educational Affairs of AAMC (2019 – Present)

Medical Education Research Scholarship and Evaluation of AAMC (2019 – Present)

International Network for Simulation-based Pediatric Innovation, Research, and Education (2019 – Present)

\*International Association of Medical Science Educators (2020 – Present)

\*Society for Human Resource Management (2022 – Present)

## PROFESSIONAL HONORS AND AWARDS

### TEACHING

\*Interprofessional Group Award for 2021, presented by National Academies of Practice, to the Woodruff Health Science Center (WHSC) Interprofessional Team Training (ITT) Program Planning Group at the Emory University School of Medicine (March 20, 2021)

### SCHOLARSHIP

\*Editor's Choice Award, presented by MedEdPORTAL, to article authors. (June 27, 2021). Davis BP, Dragon C, Kim J, Weston J, **Mitchell SA**, Luthra M, Stoddard HA, Ander DS. SBAR-LA: SBAR brief assessment rubric for learner assessment. *MedEdPORTAL*, [submission ID MEP-2021-0037R1]

## PROFESSIONAL DEVELOPMENT

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Annual Meeting", American Society of Anesthesiologists. (Apr 1998 – Apr 2011)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Annual Meeting", American Society of Anesthesiologists. (Apr 2012)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2012)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Annual Meeting", American Society of Anesthesiologists. (Apr 2013)

Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2013)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2013)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Annual Meeting", American Society of Anesthesiologists. (Apr 2014)

Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Jun 2014)

Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2014)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2014)

Teaching, Conference attendance, "Society for Education in Anesthesia Fall Meeting", American Society of Anesthesiologists. (Oct 2014)

Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Apr 2015)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Annual Meeting", American Society of Anesthesiologists. (Apr 2015)

Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2015)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2015)

Teaching, Conference attendance, "Society for Education in Anesthesia Fall Meeting", American Society of Anesthesiologists. (Oct 2015)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Annual Meeting", American Society of Anesthesiologists. (Apr 2016)

Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Apr 2016)

Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2016)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2016)

Teaching, Conference attendance, "Society for Education in Anesthesia Fall Meeting", American Society of Anesthesiologists. (Oct 2016)

Research/Creative Activity, Conference attendance, "Indiana Society of Anesthesiologists Annual Meeting", American Society of Anesthesiologists. (Feb 2017)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Annual Meeting", American Society of Anesthesiologists. (Apr 2017)

Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Apr 2017)

Service, Workshop/tutorial attendance, "Understanding Your Role: IUSM Mistreatment Prevention and Response System", Indiana University School of Medicine, Office of Faculty Affairs and Professional Development [OFAPD]. (Apr 2017)

Teaching, Coursework/continuing education, "IUSM Clerkship Leader Summit, MSE", Indiana University School of Medicine. (May 2017)

Teaching, Coursework/continuing education, "GME Program Directors Meeting", Indiana University School of Medicine. (Jul 2017)

Research/Creative Activity, Workshop/tutorial attendance, "Writing Winning Grant Proposals", Indiana University School of Medicine. (Aug 2017)

Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2017)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2017)

Teaching, Conference attendance, "Society for Education in Anesthesia Fall Meeting", American Society of Anesthesiologists. (Oct 2017)

Service, Conference attendance, "Interprofessional Practice and Education in Indiana: Bringing it All Together", Indiana University School of Medicine, OFAPD. (Nov 2017)

Teaching, Conference attendance, "IU Online Annual Conference", Indiana University Purdue University Indianapolis. (Nov 2017)

Service, Conference attendance, "Society of Academic Associations of Anesthesiology and Perioperative Medicine", American Society of Anesthesiologists. (Nov 2017)

Service, Workshop/tutorial attendance, "Leadership Series: Cultivating the Next Generation of Academic Leaders", Indiana University School of Medicine, OFAPD. (Nov 2017)

Teaching, Certification, "Comprehensive Instructor Course", Center for Medical Simulation, Boston, MA. (Dec 2017)

Teaching, Workshop/tutorial attendance, "Peer Review of Teaching in Simulation", The Center for Simulation at Fairbanks, Indiana University School of Medicine. (Dec 2017)

Research/Creative Activity, Conference attendance, "International Meeting on Simulation in Healthcare", Society for Simulation in Healthcare. (Jan 2018)

Research/Creative Activity, Conference attendance, "Indiana Society of Anesthesiologists Annual Meeting", American Society of Anesthesiologists. (Feb 2018)

Teaching, Coursework/Continuing Education, "2nd Annual IUSM Clerkship Leader Summit, MSE", Indiana University School of Medicine. (Mar 2018)

Teaching, Workshop/tutorial attendance, "Right Problems, Right Solutions: Identifying Test-Taking Challenges", Indiana University School of Medicine, OFADP. (Mar 2018)

Teaching, Workshop/tutorial attendance, "Study Skills Workshop: Helping Your Learner Identify and Fix Test-Taking Challenges", Indiana University School of Medicine, OFAPD. (Mar 2018)

Research/Creative Activity, Conference attendance, "Midwest Anesthesia Residents Conference", Association of Midwest Academic Anesthesia Chairs. (Apr 2018)

Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Apr 2018)

Teaching, Coursework/continuing education, "Developing Faculty Competencies in Assessment", Accreditation Council for Graduate Medical Education, Chicago, IL. (Apr 2018)

Service, Workshop/tutorial attendance, "Stepping Stones of Women Leadership Series", Indiana University School of Medicine, OFAPD. (Jan 2018 – May 2018)

Service, Coursework/continuing education, "Women in Medicine and Science Symposium: #MeToo: Navigating Power Differentials, Sexism, and Gender Inequity in Academic Medicine", Indiana University School of Medicine, OFAPD. (May 2018)

Service, Workshop/tutorial attendance, "Awareness, Reflection, and Meaning-Making: Creating a Professional Toolkit for Resilience and Wellbeing", Indiana University School of Medicine, OFAPD. (May 2018)

Service, Workshop/tutorial attendance, "Finding Meaning, Balance, and Personal Satisfaction in the Practice of Medicine", Indiana University School of Medicine, OFAPD. (May 2018)

Service, Workshop/tutorial attendance, "Professionalism in the Workplace", Indiana University School of Medicine, OFAPD. (May 2018)

Teaching, Coursework/continuing education, "GME Program Directors Meeting", Indiana University School of Medicine. (Jul 2018)

Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2018)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2018)

Teaching, Conference attendance, "Society for Education in Anesthesia Fall Meeting", American Society of Anesthesiologists. (Oct 2018)

Teaching, Conference attendance, "IU Online Annual Conference", Indiana University Purdue University Indianapolis. (Nov 2018)

Service, Conference attendance, "Society of Academic Associations of Anesthesiology and Perioperative Medicine", American Society of Anesthesiologists. (Nov 2018)

Teaching, Workshop/tutorial attendance, "Peer Review of Teaching Workshop, Academy of Teaching Scholars", Indiana University School of Medicine, Faculty Affairs Professional Development and Diversity [FAPDD]. (Dec 2018)

Research/Creative Activity, Conference attendance, "International Meeting on Simulation in Healthcare", Society for Simulation in Healthcare. (Jan 2019)

Research/Creative Activity, Conference attendance, "Indiana Society of Anesthesiologists Annual Meeting", American Society of Anesthesiologists. (Feb 2019)

Teaching, Coursework/continuing education, "3rd Annual Clerkship Leader Summit, MSE", Indiana University School of Medicine. (Feb 2019)

Research/Creative Activity, Coursework/continuing education, "IRB Review and Educational Research, Academy of Teaching Scholars", Indiana University School of Medicine, FAPDD. (Feb 2019)

Teaching, Workshop/tutorial attendance, "Train the Trainer Point of Care Ultrasound", Indiana University School of Medicine. (Feb 2019)

Teaching, Conference attendance, "ACGME Annual Educational Conference", Accreditation Council for Graduate Medical Education. (Mar 2019)

Teaching, Workshop/tutorial attendance, "Quality Matters: Applying the Standards at IU", Indiana University Purdue University Indianapolis, Center for Teaching and Learning. (Mar 2019)

Research/Creative Activity, Conference attendance, "Midwest Anesthesia Residents Conference", Association of Midwest Academic Anesthesia Chairs. (Apr 2019)

Service, Workshop/tutorial attendance, "The Catalyst Effect: Leading from the Middle", Indiana University Women in IT and the IT Leadership Community. (Aug 2019)

Teaching, Conference attendance, "ChangeMedEd", American Medical Association. (Sep 2019)

Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2019)

Service, Conference attendance, "American Academy of Anesthesiologist Assistants Fall Meeting", American Society of Anesthesiologists. (Oct 2019)

Teaching, Conference attendance, "Society for Education in Anesthesia Fall Meeting", American Society of Anesthesiologists. (Oct 2019)

Teaching, Conference attendance, "IU Online Conference", Indiana University Purdue University Indianapolis. (Oct 2019)

Teaching, Workshop/tutorial attendance, "Speed Dating with Learning Technologies, UITS", Indiana University Purdue University Indianapolis, Center for Teaching and Learning. (Oct 2019)

Service, Conference attendance, "Society of Academic Associations of Anesthesiology and Perioperative Medicine", American Society of Anesthesiologists. (Nov 2019).

Teaching, Conference attendance, "Learn, Serve, Lead", Association of American Medical Colleges. (Nov 2019)

Research/Creative Activity, Conference attendance, "International Meeting on Simulation in Healthcare", Society for Simulation in Healthcare. (Jan 2020)

Research/Creative Activity, Conference attendance, "International Meeting for INSPIRE", International Network for Simulation-based Pediatric Innovation, Research, and Education. (Jan 2020)

Teaching, Conference attendance, "ACGME Annual Educational Conference", Accreditation Council for Graduate Medical Education. (Feb 2020)

Teaching, Coursework/continuing education, "4th Annual Clerkship Leader Summit, MSE", Indiana University School of Medicine. (Feb 2020)

Research/Creative Activity, Workshop/tutorial attendance, "Promotion & Tenure Information Session: Documenting Your Work", Indiana University School of Medicine, FAPDD. (Feb 2020)

Research/Creative Activity, Conference attendance, "IUSM Education Day", Indiana University School of Medicine. (Mar 2020)

Research/Creative Activity, Workshop/tutorial attendance, "Using EndNote Efficiently in Educational Research, Academy of Teaching Scholars", Indiana University School of Medicine, FAPDD. (Apr 2020)

Service, Coursework/continuing education, "Vice Chairs of Education Cabinet Retreat", Indiana University School of Medicine. (May 2020)

\*Teaching, Conference attendance, "IU Online Conference", Indiana University Purdue University Indianapolis. (Oct 2020)

\*Service, Workshop attendance, "Community Action Planning for Educational Technology Interoperability in Health Professions", MedBiquitous and WGEA CRIME, Association of American Medical Colleges. (Oct 2020)

- \*Teaching, Coursework/continuing education, "ePortfolio Community of Practice", Institute for Engaged Learning, Indiana University Purdue University at Indianapolis. (Nov 2020)
- \*Service, Conference attendance, "Society of Academic Associations of Anesthesiology and Perioperative Medicine", American Society of Anesthesiologists. (Nov 2020)
- \*Teaching, Coursework/continuing education, "Peer Reviewer Course for Higher Education", Quality Matters, (Nov 2020)
- \*Teaching, Coursework/continuing education, "Peer Reviewer Course for Higher Ed Publisher", Quality Matters, (Nov 2020)
- \*Teaching, Coursework/continuing education, "Peer Reviewer Course for K-12 Education", Quality Matters. (Dec 2020)
- \*Teaching, Coursework/continuing education, "Peer Reviewer Course for K-12 Publisher", Quality Matters. (Dec 2020)
- \*Teaching, Coursework/continuing education, "ePortfolio Community of Practice", Institute for Engaged Learning, Indiana University Purdue University at Indianapolis. (Dec 2020)
- \*Teaching, Coursework/continuing education, "Peer Reviewer Course for Accessible Documents: Word, PowerPoint, Acrobat", WebAIM and Center for Persons with Disabilities. (Jan 2021)
- \*Research/Creative Activity, Conference attendance, "International Meeting on Simulation in Healthcare", Society for Simulation in Healthcare. (Jan 2021)
- \*Research/Creative Activity, Conference attendance, "International Meeting for INSPIRE", International Network for Simulation-based Pediatric Innovation, Research, and Education. (Jan 2021)
- \*Teaching, Coursework/continuing education, "ePortfolio Community of Practice", Institute for Engaged Learning, Indiana University Purdue University at Indianapolis. (Feb 2021)
- \*Teaching, Coursework/continuing education, "ePortfolio Community of Practice", Institute for Engaged Learning, Indiana University Purdue University at Indianapolis. (Mar 2021)
- \*Research/Creative Activity, Conference attendance, "2nd Annual IUSM Education Day", Indiana University School of Medicine. (Apr 2021)
- \*Research/Creative Activity, Conference attendance, "Midwest Anesthesia Residents Conference", Association of Midwest Academic Anesthesia Chairs. (Apr 2021)
- \*Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Apr 2021)
- \*Teaching, Coursework/continuing education, "5th Annual Clerkship Leader Summit, MSE", Indiana University School of Medicine. (Apr 2021)
- \*Research/Creative Activity, Conference attendance, "Indiana Society of Anesthesiologists Annual Meeting", American Society of Anesthesiologists. (Sep 2021)
- \*Research/Creative Activity, Coursework/continuing education, "Introduction to Qualitative Research", Academy of Teaching Scholars", Indiana University School of Medicine, FAPDD. (Oct 2021)

- \*Service, Conference attendance, " iDREAM Early Incentive Program", Indiana University School of Medicine, FAPDD. (Oct 2021)
- \* Teaching, Conference attendance, "IU Online Conference", Indiana University Purdue University Indianapolis. (Oct 2021)
- \* Research/Creative Activity, Conference attendance, "Anesthesiology Annual Meeting", American Society of Anesthesiologists. (Oct 2021)
- \*Service, Conference attendance, "Society of Academic Associations of Anesthesiology and Perioperative Medicine", American Society of Anesthesiologists. (Nov 2021)
- \*Teaching, Conference attendance, "Learn, Serve, Lead", Association of American Medical Colleges. (Nov 2021)
- \*Research/Creative Activity, Coursework/continuing education, "Methods for Evaluating Educational Programs, Academy of Teaching Scholars", Indiana University School of Medicine, FAPDD. (Nov 2021)
- \*Research/Creative Activity, Coursework/continuing education, "Introduction into Systematic Reviews", Indiana University School of Medicine, Ruth Lilly Medical Library. (Nov 2021)
- \*Research/Creative Activity, Conference attendance, "International Meeting on Simulation in Healthcare", Society for Simulation in Healthcare. (Jan 2022)
- \*Teaching, Coursework/continuing education, "MedBiquitous Community Connection: The Modernization of Health Professions Education", Association of American Medical Colleges. (Feb 2022)
- \*Service, Conference attendance, " iDREAM Faculty Recruitment Program", Indiana University School of Medicine, FAPDD. (Apr 2022)
- \*Research/Creative Activity, Conference attendance, "3rd Annual IUSM Education Day", Indiana University School of Medicine. (Apr 2022)
- \*Research/Creative Activity, Conference attendance, "Midwest Anesthesia Residents Conference", Association of Midwest Academic Anesthesia Chairs. (Apr 2022)
- \*Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Apr 2022)
- \*Teaching, Coursework/continuing education, "5th Annual Clerkship Leader Summit, MSE", Indiana University School of Medicine. (Apr 2022)
- \*Teaching, Conference attendance, "Society for Education in Anesthesia Fall Meeting", American Society of Anesthesiologists. (Nov 2022)
- \*Service, Conference attendance, "Society of Academic Associations of Anesthesiology and Perioperative Medicine", American Society of Anesthesiologists. (Nov 2022)
- \*Teaching, Conference attendance, "Learn, Serve, Lead", Association of American Medical Colleges. (Nov 2022)
- \*Service, Workshop attendance, "Introverts as Leaders", IT Leadership Community, Indiana University Indianapolis. (Nov 2022)

- \*Teaching, Conference attendance, "2022 IT in Academic Medicine Digital Demonstration Virtual Conference", Group on Information Resources, American Association of Medical Colleges. (Dec 2022)
- \*Research/Creative Activity, Conference attendance, "International Meeting on Simulation in Healthcare", Society for Simulation in Healthcare. (Jan 2023)
- \*Teaching, Conference attendance, "Society for Education in Anesthesia Spring Meeting", American Society of Anesthesiologists. (Apr 2023)
- \*Teaching, Conference attendance, "Central Group on Educational Affairs", Association of American Medical Colleges. (Apr 2023)
- \*Research/Creative Activity, Conference attendance, "4th Annual IUSM Education Day", Indiana University School of Medicine. (Apr 2023)
- \*Teaching, Conference attendance, "International Pediatric Simulation Society Workshop 2023", International Pediatric Simulation Society. (May 2023)
- \*Teaching, Conference attendance, "ChangeMedEd", American Medical Association. (Sep 2023)
- \*Research/Creative Activity, Coursework/continuing education, Weekly Regularly Scheduled Series, "Anesthesia Grand Rounds", Department of Anesthesia, Indiana University School of Medicine. (Jan 2017 – Present)
- \*Research/Creative Activity, Weekly meeting, "Surgical Education Research Group", Department of General Surgery, Indiana University School of Medicine. (Mar 2017 – Present)
- \*Research/Creative Activity, Coursework/continuing education, "Interprofessional Simulation Education Journal Club", The Center for Simulation at Fairbanks, Indiana University School of Medicine. (Sep 2017 – Present)

## TEACHING

### TEACHING ASSIGNMENTS

#### MEDICAL STUDENT EDUCATION

##### **Medical Doctorate (MD)**

Indiana University School of Medicine (Jan 2017 – Present)

Course Subject and Class Number	Course Name	Delivery Method	Term and Year	Enrollment Total
16-17-IN-IUSM-L704-162022	ANESTHESIA CLERKSHIP Year 3, Statewide Assistant Clerkship Director	Clinical	Jan 2017 – May 2017	350
17-18-IN-IUSM	ORIENTATION TO CLERKSHIPS Year 3, Procedure Days Course Director, Instructor	Lab	June 2017	350
17-18-IN-IUSM-L704-162022	ANESTHESIA CLERKSHIP Year 3, Statewide Assistant Clerkship Director	Clinical	June 2017 - May 2018	350
18-19-IN-IUSM	TRANSITIONS 2 Phase 2, Procedure Days Course Director, Instructor	Lab	April 2018	360
18-19-IN-IUSM	SURGERY SUB-I, Phase 3	Lab	April 2018	26

	Airway Management Training Day Course Director, Instructor			
18-19-IN-IUSM- L704-1000004	ANESTHESIA CLERKSHIP Phase 2, Statewide Assistant Clerkship Director	Clinical	April 2018 - March 2019	360
19-20-IN-IUSM	TRANSITIONS 2 Phase 2, Procedure Days Course Director, Instructor	Lab	April 2019	250
19-20-IN-IUSM	SURGERY SUB-I, Phase 3 Airway Management Training Day Course Director, Instructor	Lab	April 2019	38
19-20-IN-IUSM- L704-1000004	ANESTHESIA CLERKSHIP Phase 2, Statewide Assistant Clerkship Director	Clinical	April 2019 - March 2020	360
20-21-IN-IUSM- A692-1000029	ANESTHESIA COURSE Phase 2, Statewide Assistant Clerkship Director	Online Synchronous	April 2020 - May 2020	360
20-21-IN-IUSM	SURGERY SUB-I, Phase 3 Airway Management Training Day Course Director, Instructor	Lab	April 2021	15
21-22-IN-IUSM	TRANSITIONS 2.5 Phase 2, Procedure Days Course Director, Instructor	Lab	April 2021	250
21-22-IN-IUSM	TRANSITIONS 2 Phase 2, Procedure Days Course Director, Instructor	Lab	April 2021	250
21-22-IN-IUSM- L704-1000004	ANESTHESIA SELECTIVE Phase 2, Statewide Assistant Selective Director	Clinical	April 2021 - March 2022	400
21-22-IN-IUSM	LEADS PROGRAM Anesthesia Course Assistant Director	Online Synchronous	May 2022	7
21-22-IN-IUSM	SURGERY SUB-I, Phase 3 Airway Management Training Day Course Director, Instructor	Lab	March 2022	50
22-23-IN-IUSM	TRANSITIONS 2 Phase 2, Procedure Days Course Director, Instructor	Lab	April 2022	230
22-23-IN-IUSM- L704-1000004	ANESTHESIA SELECTIVE Phase 2, Statewide Assistant Selective Director	Clinical	April 2022 - March 2023	370
22-23-IN-IUSM	SURGERY SUB-I, Phase 3 Airway Management Training Day Course Director, Instructor	Lab	March 2023	58
23-24-IN-IUSM- L704-1000004	ANESTHESIA SELECTIVE Phase 2, Statewide Assistant Selective Director	Clinical	April 2023 - March 2024	365

#### GRADUATE MEDICAL EDUCATION – RESIDENTS AND FELLOWS

Simulation, "CA1 Bootcamp - Machine Check", Co-Instructor, Anesthesia. Approximately 18 hours spent per year. Primary learner audience: Residents, 26 participants. (Jul 2017)

Simulation, "CA1 Bootcamp - Blood Products", Instructor, Anesthesia. Approximately 8 hours spent per year. Primary learner audience: Residents, 26 participants. (Jul 2017)

Grand Rounds, "Education in Anesthesia - Residents as Teachers", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2017)

Grand Rounds, "Education in Anesthesia - Feedback", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Sep 2017)

Simulation, "CA3 Mock OSCEs", Instructor, Anesthesia. Approximately 50 hours spent per year. Primary learner audience: Residents, 26 participants. (May 2018 – Jun 2018)

Simulation, "CA1 Bootcamp - Blood Products", Instructor, Anesthesia. 1 instruction hours annually. Approximately 8 hours spent per year. Primary learner audience: Residents, 26 participants. (Jul 2018)

Grand Rounds, "Education in Anesthesia - Residents as Teachers", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2018)

Grand Rounds, "Education in Anesthesia - Deliberate Practice", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Sep 2018)

Grand Rounds, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. 3 instruction hours annually. Approximately 8 hours spent per year. Primary learner audience: Residents, 78 participants. (Feb 2019)

Simulation, "CA3 Mock OSCEs", Instructor, Anesthesia. Approximately 50 hours spent per year. Primary learner audience: Residents, 26 participants. (May 2019 – Jun 2019)

Didactics, "CA2/3 Anesthesia Toolbox and myTIPreport", Instructor, Anesthesia. 2 instruction hours annually. Approximately 3 hours spent per year. Primary learner audience: Residents, 52 participants. (Jun 2019)

Didactics, "CA1 Anesthesia Toolbox and myTIPreport", Instructor, Anesthesia. 2 instruction hours annually. Approximately 3 hours spent per year. Primary learner audience: Residents, 26 participants. (Jul 2019)

Grand Rounds, "Education in Anesthesia - Residents as Teachers", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2019)

Grand Rounds, "Education in Anesthesia - EPAs, Procedural Skills, and CBE", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2019)

Simulation, "CA1 Bootcamp - Blood Products", Instructor, Anesthesia. 8 instruction hours annually. Approximately 12 hours spent per year. Primary learner audience: Residents, 26 participants. (Jul 2019)

Grand Rounds, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. 3 instruction hours annually. Approximately 8 hours spent per year. Primary learner audience: Residents, 78 participants. (Feb 2020)

- Simulation, "CA3 Breaking Bad News", Instructor, Anesthesia. 24 instruction hours annually. Approximately 30 hours spent per year. Primary learner audience: Residents, 26 participants. (Feb 2020)
- Didactics, "Survey Design and Tools", Instructor, Clinical Educator Training Pathway. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents and Fellows, 12 participants. (Aug 2020)
- Simulation, "CA3 Mock OSCEs", Instructor, Anesthesia. 30 instruction hours annually. Approximately 50 hours spent per year. Primary learner audience: Residents, 26 participants. (Apr 2020 – May 2020)
- \*Didactics, "CA1 Anesthesia Toolbox and myTIPreport", Instructor, Anesthesia. 2 instruction hours annually. Approximately 3 hours spent per year. Primary learner audience: Residents, 26 participants. (Jul 2020)
- \*Grand Rounds, "Education in Anesthesia - Residents as Teachers", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2020)
- \*Grand Rounds, "Education in Anesthesia - Before and After ", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2020)
- \*Simulation, "IPE/IDE in-situ Pediatric Trauma: ED to OR Transport", Instructor, Riley Hospital Anesthesia, Emergency Medicine, and Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Fellows and Residents, 4 participants. (Nov 2020)
- \*Simulation, "IPE/IDE in-situ Pediatric eCPR: ECHMO on a New Unit", Instructor, Riley Hospital Pulmonary Critical Care Medicine, Pediatric Cardiac Surgery, and Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Fellows and Residents, 4 participants. (Dec 2020)
- \*Simulation, "IPE/IDE in-situ Pediatric Perioperative Complications", Instructor, Riley Hospital ROC Anesthesia and Perioperative Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Fellows, 2 participants. (Jan 2021)
- \*Grand Rounds, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. 3 instruction hours annually. Approximately 8 hours spent per year. Primary learner audience: Residents, 15 participants. (Feb 2021)
- \*Simulation, "CA3 Breaking Bad News", Instructor, Anesthesia. 24 instruction hours annually. Approximately 30 hours spent per year. Primary learner audience: Residents, 26 participants. (Feb 2021)
- \*Simulation, "CA2 Difficult Airway Workshop", Instructor, Anesthesia. 8 instruction hours annually. Approximately 10 hours spent per year. Primary learner audience: Residents, 26 participants. (Feb 2021)
- \* Simulation, "CA3 Mock OSCEs", Instructor, Anesthesia. 30 instruction hours annually. Approximately 50 hours spent per year. Primary learner audience: Residents, 26 participants. (May 2021)

- \*Didactics, "Survey Design and Tools", Instructor, Clinical Educator Training Pathway. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents and Fellows, 14 participants. (May 2021)
- \*Simulation, "CA3 Medical Direction Workshop", Instructor, Anesthesia. 24 instruction hours annually. Approximately 28 hours spent per year. Primary learner audience: Residents, 26 participants; student anesthesiologist assistants, 12 participants. (Jun 2021)
- \*Grand Rounds, "Education in Anesthesia - Residents as Teachers", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2021)
- \*Grand Rounds, "Education in Anesthesia - Deliberate Practice and Coaching", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Sep 2021)
- \*Simulation, "CA2 Medical Direction Workshop", Instructor, Anesthesia. 24 instruction hours annually. Approximately 28 hours spent per year. Primary learner audience: Residents, 27 participants; student anesthesiologist assistants, 12 participants. (Oct 2021)
- \*Grand Rounds, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. 4 instruction hours annually. Approximately 12 hours spent per year. Primary learner audience: Residents, 9 participants. (Feb 2022)
- \*Simulation, "CA3 Mock OSCEs", Instructor, Anesthesia. 30 instruction hours annually. Approximately 50 hours spent per year. Primary learner audience: Residents, 28 participants. (May 2022)
- \*Grand Rounds, "Education in Anesthesia - Residents as Teachers", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 78 participants. (Jul 2022)
- \*Assistant GME/ABA Education Program Director, "Alternate Entry Pathway: Clinician Educator Pathway: Four-Year Plan Toward American Board of Anesthesiology Board Eligibility", Instructor, Anesthesia, Medical Education, and Faculty Development. Approximately 80 hours spent per year. Primary learner audience: IMG anesthesiologist BC in India, clinical researcher and attending physician at Riley Hospital for Children, Senthil Packiasabapathy. (Jul 2022 – Present)
- \*Didactics, "Survey Design and Tools", Instructor, Clinical Educator Training Pathway. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents and Fellows, 16 participants. (Aug 2022)
- \*Grand Rounds, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. 4 instruction hours annually. Approximately 12 hours spent per year. Primary learner audience: Residents, 15 participants. (Feb 2023)
- \*Simulation, "CA3 Breaking Bad News", Instructor, Anesthesia. 24 instruction hours annually. Approximately 30 hours spent per year. Primary learner audience: Residents, 28 participants. (Mar 2023)
- \*Simulation, "CA3 Mock OSCEs", Instructor, Anesthesia. 30 instruction hours annually. Approximately 50 hours spent per year. Primary learner audience: Residents, 28 participants. (May 2023)

- \*Grand Rounds, "Education in Anesthesia - Residents as Teachers", Instructor, Anesthesia. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents, 72 participants. (Aug 2023)
- \*Didactics, "Needs Assessments for Educational Research Projects", Instructor, Clinical Educator Training Pathway. 1 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: Residents and Fellows, 18 participants. (Aug 2023)
- \*Didactics, "Debriefing in Simulation", Instructor, Surgery Education Research Group, Department of Surgery, IUSM. 1 instruction hours annually. Approximately 2 hours spent per year. Primary learner audience: Residents and Fellows, 12 participants. (Sep 2023)

## HEALTH PROFESSIONALS IN-SITU SIMULATION EDUCATION

- \*Simulation, "IPE/IDE in-situ Pediatric Trauma: ED to OR Transport", Instructor, Riley Hospital Anesthesia, Emergency Medicine, and Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: emergency department and operating room faculty, nursing, and staff, 35 participants. (Feb 2020)
- \*Simulation, "IPE/IDE in-situ Pediatric eCPR: ECHMO on a New Unit", Instructor, Riley Hospital Pulmonary Critical Care Medicine, Pediatric Cardiac Surgery, and Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: faculty, nursing, and staff, 28 participants. (Dec 2020)
- \*Simulation, "IPE/IDE in-situ Pediatric Perioperative Complications", Instructor, Riley Hospital ROC Anesthesia and Perioperative Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: perioperative staff, 29 participants. (Jan 2021)
- \*Simulation, "IPE/IDE in-situ Train the Trainer: Intra-operative ACLS Code", Instructor, IUH University Hospital Anesthesia and Perioperative Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: perioperative staff leaders, 8 participants. (Feb 2021)
- \*Simulation, "IPE/IDE in-situ Intra-operative ACLS Code", Instructor, IUH University Hospital Anesthesia and Perioperative Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: perioperative staff, 10 participants. (Feb 2021)
- \*Simulation, "IPE/IDE in-situ Post-operative ACLS Code", Instructor, IUH Riley Hospital for Children Perioperative Nursing/Staff. 2 instruction hours annually. Approximately 2 hours spent per year. Primary learner audience: perioperative staff, 9 participants. (Apr 2021)
- \*Simulation, "IPE/IDE in-situ Intra-operative ACLS Code", Instructor, IUH University Hospital Anesthesia and Perioperative Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: perioperative staff, 19 participants. (Feb 2022)
- \*Simulation, "IPE/IDE in-situ Intra-operative ACLS Code", Instructor, IUH University Hospital Anesthesia and Perioperative Nursing/Staff. 2 instruction hours annually. Approximately 4 hours spent per year. Primary learner audience: perioperative staff, 12 participants. (May 2023)

## GRADUATE STUDENT EDUCATION

### Doctor of Education (EdD)

Johns Hopkins University, School of Education. (Jan 2016 – May 2016)

Course Subject and Class Number	Course Name	Delivery Method	Term and Year	Enrollment Total
ED.883.721.1C	EVALUATION OF EDUCATIONAL PROGRAMS AND POLICIES, Teaching Assistant	Online Asynchronous	Spring 2016	24

**Master of Science in Anesthesia (MSA)**

Anesthesiologist Assistant Training Program, Department of Anesthesia, Indiana University School of Medicine, Graduate Division, Indiana University Purdue University Indianapolis. (Jan 2017 – Aug 2020)

Course Subject and Class Number	Course Name	Delivery Method	Term and Year	Enrollment Total
ANES-B 501	ORIENTATION TO SIMULATION AND CLINICAL ANESTHESIA, Co-Director, Instructor	Lab	Fall 2017	12
ANES-B 512	FOUNDATIONS OF CLINICAL SCIENCE II - Anesthesia Pharmacology I, Course Director, Instructor	Classroom	Spring 2018	12
ANES-B 513	FOUNDATIONS OF CLINICAL SCIENCE III - Anesthesia Pharmacology II, Course Director, Instructor	Classroom	Summer 2018	12
ANES-B 512	FOUNDATIONS OF CLINICAL SCIENCE II - Anesthesia Pharmacology I, Course Director, Instructor	Classroom	Spring 2019	12
ANES-B 513	FOUNDATIONS OF CLINICAL SCIENCE III - Anesthesia Pharmacology II, Course Director, Instructor	Classroom	Summer 2019	12
ANES-B 543	PROFESSIONALISM III, Course Director, Instructor	Classroom	Summer 2019	12
ANES-B 531	FOUNDATIONS ANESTHESIA SCI I – Physics and Anesthesia Machines, Course Director of Co-Instructors	Classroom	Fall 2019	12
ANES-B 501	ORIENTATION TO SIMULATION AND CLINICAL ANESTHESIA, Co-Director, Instructor	Lab	Fall 2019	12
ANES-B 541	PROFESSIONALISM I, Course Director, Instructor	Classroom	Fall 2019	12
ANES-B 544	PROFESSIONALISM IV, Course Director, Instructor	Classroom	Fall 2019	12
ANES-B 593	SENIOR SEMINAR III, Co-Instructor	Classroom	Fall 2019	12
ANES-B 512	FOUNDATIONS OF CLINICAL SCIENCE II - Anesthesia Pharmacology I, Course Director, Instructor, Mentor of Junior Instructor	Classroom	Spring 2020	12
ANES-B 542	PROFESSIONALISM II, Course Director, Instructor, Mentor of Junior Instructor	Classroom	Spring 2020	12

ANES-B 513	FOUNDATIONS OF CLINICAL SCIENCE III - Anesthesia Pharmacology II, Course Director, Instructor, Mentor of Junior Instructor	Online Asynchronous	Summer 2020	12
ANES-B 511	FOUNDATIONS OF CLINICAL SCIENCE I – Anatomy, Physiology, and Pharmacology, Course Director	Classroom	Fall 2023	20

\*Didactic Presentation, "How to Read and Critically Review a Journal Article", Instructor, Anesthesia. 1 instruction hours annually. Approximately 3 hours spent per year. Primary learner audience: Graduate Students, 28 participants. (Oct 2020)

\*Didactic Presentation, "How to Construct a Research or Case Presentation Poster", Instructor, Anesthesia. 1 instruction hours annually. Approximately 3 hours spent per year. Primary learner audience: Graduate Students, 30 participants. (Jan 2021)

### Master of Education in the Health Professions (MEd; MEHP)

Johns Hopkins University, School of Education. (Aug 2016 – Dec 2020)

Course Subject and Class Number	Course Name	Delivery Method	Term and Year	Enrollment Total
ED.880.667.95	APPLIED STATISTICS, Course Director, Instructor	Online Asynchronous	Fall 2016	5
ED.880.647	PROFESSIONAL DEVELOPMENT PROJECTS IN HEALTH PROFESSIONS EDUCATION, Capstone Advisor	Online Asynchronous	Fall 2016	1
ED.880.649	RESEARCH PROJECTS IN HEALTH PROFESSIONS EDUCATION, Capstone Advisor	Online Asynchronous	Fall 2016	1
ED.880.647.95	EDUCATIONAL LEADERSHIP CAPSTONE IN HEALTH PROFESSIONS EDUCATION I, Capstone Advisor	Online Asynchronous	Spring 2017	1
ED.880.667.95	APPLIED STATISTICS, Course Director, Instructor	Online Asynchronous	Fall 2017	7
ED.880.648.95	EDUCATIONAL LEADERSHIP CAPSTONE IN HEALTH PROFESSIONS EDUCATION II, Capstone Advisor	Online Asynchronous	Spring 2018	1
ED.880.667.95	APPLIED STATISTICS, Course Director, Instructor	Online Asynchronous	Fall 2018	4
ED.880.667.95	APPLIED STATISTICS, Course Director, Instructor	Online Asynchronous	Spring 2020	9

### Master of Medical Science in Anesthesiology (MMSc)

Anesthesiologist Assistant Training Program, Department of Anesthesiology and Perioperative Medicine, Emory University School of Medicine, Basic Allied Health Sciences Graduate School Division, Emory University. (Clinical Preceptor Aug 1999 – Dec 2016; Didactic Instructor July 2011 – Dec 2016)

Course Subject and Class Number	Course Name	Delivery Method	Term and Year	Enrollment Total
---------------------------------	-------------	-----------------	---------------	------------------

ANES 561 A, B, C	CLINICAL ANESTHESIA I, II, III, Clinical Preceptor 1:1	Clinic	Fall 1999 - Fall 2016 (continuous)	400 +
ANES 660 A, B, C	ADVANCED CLINICAL ANESTHESIA I, II, III, Clinical Preceptor 1:1	Clinic	Fall 1999 - Fall 2016 (continuous)	400 +
BAHS 500	HUMAN ANATOMY WITH CADAVERS, Instructor	Classroom Lab	Fall 2011	36
BAHS 7000	HUMAN ANATOMY WITH CADAVERS, Instructor	Lab	Fall 2011	75
ANES 512A	PRINCIPLES OF AIRWAY MANAGEMENT I, Lab Course Director, Instructor	Lab	Fall 2011	36
ANES 512B	PRINCIPLES OF AIRWAY MANAGEMENT II, Lab Course Director, Instructor	Lab	Spring 2012	36
ANES 536B	ANESTHESIOLOGY PRACTICE II, Instructor	Classroom	Spring 2012	36
BAHS 500	HUMAN ANATOMY WITH CADAVERS, Instructor	Classroom Lab	Fall 2012	36
BAHS 7000	HUMAN ANATOMY WITH CADAVERS, Instructor	Lab	Fall 2012	75
ANES 512A	PRINCIPLES OF AIRWAY MANAGEMENT I, Lab Course Director, Instructor	Lab	Fall 2012	36
ANES 512B	PRINCIPLES OF AIRWAY MANAGEMENT II, Lab Course Director, Instructor	Lab	Spring 2013	36
ANES 536B	ANESTHESIOLOGY PRACTICE II, Instructor	Classroom	Spring 2013	36
ANES 679R	INDIVIDUAL DIRECTED STUDY, Course Director, Project Mentor	Classroom	Spring 2013	6
ANES 679R	INDIVIDUAL DIRECTED STUDY, Course Director, Project Mentor	Classroom	Summer 2013	6
ANES 679R	INDIVIDUAL DIRECTED STUDY, Course Director, Project Mentor	Classroom	Fall 2013	6
BAHS 7000	HUMAN ANATOMY WITH CADAVERS, Instructor	Lab	Fall 2013	75
ANES 512A	PRINCIPLES OF AIRWAY MANAGEMENT I, Lab Course Director, Instructor	Lab	Fall 2013	36
ANES 512B	PRINCIPLES OF AIRWAY MANAGEMENT II, Lab Course Director, Instructor	Lab	Spring 2014	36
ANES 507	INTRODUCTION TO CLINICAL ANESTHESIA, Instructor	Classroom Lab	Summer 2014	36
BAHS 500	HUMAN ANATOMY WITH CADAVERS, Course Co-director, Instructor	Classroom Lab	Fall 2014	36
ANES 512A	PRINCIPLES OF AIRWAY MANAGEMENT I, Lab Course Director, Instructor	Lab	Fall 2014	36
ANES 512B	PRINCIPLES OF AIRWAY MANAGEMENT II, Lab Course Director, Instructor	Lab	Spring 2015	36

ANES 507	INTRODUCTION TO CLINICAL ANESTHESIA, Instructor	Classroom Lab	Summer 2015	36
ANES 525	APPLIED ANATOMY FOR ANESTHESIA PRACTICE, Course Director, Instructor	Classroom Lab	Fall 2015	36
ANES 512A	PRINCIPLES OF AIRWAY MANAGEMENT I, Lab Course Director, Instructor	Lab	Fall 2015	36
ANES 512B	PRINCIPLES OF AIRWAY MANAGEMENT II, Lab Course Director, Instructor	Lab	Spring 2016	36
ANES 507	INTRODUCTION TO CLINICAL ANESTHESIA, Instructor	Classroom Lab	Summer 2016	36
ANES 525	APPLIED ANATOMY FOR ANESTHESIA PRACTICE, Course Director, Instructor	Classroom Lab	Fall 2016	36
ANES 512A	PRINCIPLES OF AIRWAY MANAGEMENT I, Lab Course Director, Instructor	Lab	Fall 2016	36

#### UNDERGRADUATE STUDENT EDUCATION

##### General Education; Health Professions (BA, BS)

Indiana University – Bloomington, Departments of Anatomy, Cell Biology, and Physiology.  
(Aug 1995 – May 1997)

Course Subject and Class Number	Course Name	Delivery Method	Term and Year	Enrollment Total
A215	HUMAN ANATOMY WITH CADAVERS, Teaching Assistant	Lab	Fall 1995	40
A215	HUMAN ANATOMY WITH CADAVERS, Teaching Assistant	Lab	Spring 1996	40
A215	HUMAN ANATOMY WITH CADAVERS, Teaching Assistant	Lab	Summer 1996	40
A215	HUMAN ANATOMY WITH CADAVERS, Teaching Assistant	Lab	Fall 1996	40
P215	HUMAN PHYSIOLOGY, Teaching Assistant	Lab	Fall 1995	40
A215	HUMAN ANATOMY WITH CADAVERS, Teaching Assistant	Lab	Spring 1997	40

#### CONTINUING EDUCATION

Continuing Education, "Education in Anesthesia - Feedback," Presenter, Anesthesia. Sponsoring Academic Institution: IUSM, IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students, 65 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Sep 2017)

Continuing Education, "Faculty Development in Simulation Workshop," Instructor, The Center for Simulation at Fairbanks. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: IPE audience of various simulation instructors from IUSM, IUSON, and IUH, 28 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2018)

Continuing Education, "Education in Anesthesia - Deliberate Practice," Presenter, Anesthesia. Sponsoring Academic Institution: IUSM, IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students, 65 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Sep 2018)

Continuing Education, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, 65 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Feb 2019)

Continuing Education, "Education in Anesthesia - Entrustable Professional Activities, Procedural Skills, and Competency-based Education," Presenter, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students, 80 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Jul 2019)

Continuing Education Workshop, "Faculty Development in Simulation," Instructor, The Center for Simulation at Fairbanks. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: IPE audience of various simulation instructors from IUSM, IUSON, and IUH, 34 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2019)

Management/Executive Development, "Kelley School of Business Graduate Certificate in Medical Management - N526 Business Management of Patient Care, ID 50326," Planner, Kelley School of Business. Primary learner audience: Non-physician healthcare professionals. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Nov 2019)

Management/Executive Development, "Kelley School of Business Graduate Certificate in Medical Management - N527 Leading People and Managing Behavior in Healthcare Organizations," Planner, Kelley School of Business. Primary learner audience: Non-physician healthcare professionals. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Nov 2019)

Continuing Education, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, 60 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Mar 2020)

Management/Executive Development, "Kelley School of Business Graduate Certificate in Medical Management - N525 Value Creation and Financial Performance in Health Care," Planner, Kelley School of Business. Primary learner audience: Non-physician healthcare professionals. Academic Credit awarded for attendees by an accredited CME provider: Yes. (May 2020)

Management/Executive Development, "Kelley School of Business Graduate Certificate in Medical Management - N528 Healthcare System Strategy," Planner, Kelley School of Business. Primary learner audience: Non-physician healthcare professionals. Academic Credit awarded for attendees by an accredited CME provider: Yes. (May 2020)

Management/Executive Development, "Kelley School of Business Graduate Certificate in Medical Management - X529 Immersive Business Capstone," Planner, Kelley School of Business. Primary learner audience: Non-physician healthcare professionals. Academic Credit awarded for attendees by an accredited CME provider: Yes. (May 2020)

Management/Executive Development, "Department of Anesthesia Grand Rounds, Regularly Scheduled Series, ID 54032," Planner, IUSM Department of Anesthesia. Primary learner

- audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Jul 2019 – Jun 2020)
- Management/Executive Development, "Department of Anesthesia Pediatric Anesthesia Conference, Regularly Scheduled Series, ID 54086," Planner, IUSM Department of Anesthesia. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Jul 2019 – Jun 2020)
- Continuing Education, "Education in Anesthesia - Before and After," Presenter, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students, 80 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Jul 2020)
- \*Continuing Education, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, 60 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Feb 2021)
- \*Continuing Education, "Education in Anesthesia – Deliberate Practice and Coaching," Presenter, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students, 80 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Sep 2021)
- \*Management/Executive Development, "Department of Anesthesia Grand Rounds, Regularly Scheduled Series, ID 21-22," Planner, IUSM Department of Anesthesia. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2021 – Jul 2022)
- \*Management/Executive Development, "Department of Anesthesia Pediatric Anesthesia Conference, Regularly Scheduled Series, ID 21-22," Planner, IUSM Department of Anesthesia. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2021 – Jul 2022)
- \*Continuing Education, "Faculty Development in Simulation Workshop," Instructor, The Center for Simulation at Fairbanks. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: IPE audience of various simulation instructors from IUSM, IUSON, and IUH, 15 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2021)
- \*Continuing Education, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, 60 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Feb 2022)
- \* Continuing Education, "Faculty Development in Simulation Workshop," Instructor, The Center for Simulation at Fairbanks. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: IPE audience of various simulation instructors from IUSM, IUSON, and IUH, 14 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (May 2022)
- \*Management/Executive Development, "Department of Anesthesia Grand Rounds, Regularly Scheduled Series, ID 22-23," Planner, IUSM Department of Anesthesia. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2022 – Jul 2023)

- \*Management/Executive Development, "Department of Anesthesia Pediatric Anesthesia Conference, Regularly Scheduled Series, ID 22-23," Planner, IUSM Department of Anesthesia. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2022 – Jul 2023)
- \*Continuing Education, "Mock Midwest Anesthesia Research Conference", Moderator, Anesthesia. Sponsoring Academic Institution: IUSM, annually. Primary learner audience: anesthesiologists, residents, fellows, 50 participants. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Feb 2023)
- \*Management/Executive Development, "Department of Anesthesia Grand Rounds, Regularly Scheduled Series, ID 23-24," Planner, IUSM Department of Anesthesia. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2023 – Jul 2024)
- \*Management/Executive Development, "Department of Anesthesia Pediatric Anesthesia Conference, Regularly Scheduled Series, ID 23-24," Planner, IUSM Department of Anesthesia. Primary learner audience: anesthesiologists, residents, fellows, anesthesiologists, students. Academic Credit awarded for attendees by an accredited CME provider: Yes. (Aug 2023 – Jul 2024)

## MENTORING

- Teaching, Faculty Development, Sterling J, "Master of Medical Science in Anesthesiology Program – Airway Management," Emory University School of Medicine, Department of Anesthesiology, Completed. (Aug 2014 – Dec 2016)
- Teaching, Faculty Development, Lewis M, "Master of Medical Science in Anesthesiology Program – Anatomy," Emory University School of Medicine, Department of Anesthesiology, Completed. (Jun 2016 – Dec 2016)
- Teaching, Master's Thesis, Chair, Kim R, "Assessment of Faculty Development Needs and Faculty Vitality at a New Medical School," Johns Hopkins University, School of Education, Master of Education in the Health Professions. Completed. (Aug 2016 – Jun 2018)
- \*Teaching, Faculty Development, Evankovich S, "Master of Science in Anesthesia Program – Simulation, Assessment, Curriculum Development, Leadership, Program Management," Indiana University School of Medicine, Department of Anesthesia, In-progress. (Mar 2018 – Present)
- Teaching, Faculty Development, Snyder L, "Master of Science in Anesthesia Program – Professionalism Course," Indiana University School of Medicine, Department of Anesthesia, Completed. (Jan 2019 – Dec 2019)
- Teaching, Faculty Development, Quinn K, "Master of Science in Anesthesia Program – Anesthesia Pharmacology Courses," Indiana University School of Medicine, Department of Anesthesia, Completed. (Jan 2019 – May 2020)
- \*Teaching, Grant Recipient Mentor, Centers G, "Curriculum in Point of Care Ultrasound (POCUS) for Pediatric Intensive Care Unit (PICU) Healthcare Providers (physicians, fellows, and APPs)," Indiana University Health Values in Education Grant 2019, External funding. Completed. (Jun 2020 – Feb 2022)

- \*Teaching, Faculty Development, Yu C, “Medical Student Education – Adult Anesthesia Elective Course,” Indiana University School of Medicine, Department of Anesthesia, In-progress. (Jun 2020 – Present)
- \*Research, Grant Writing Mentor, Raskin J, “Creation of a Multidisciplinary Riley Hospital Perioperative Program for Diversity, Inclusion, and Critical Incident Stress Debriefing,” Indiana University Health Values in Education Grant 2020, External funding. Completed. (Nov – Dec 2020)
- \*Teaching, Faculty Development, Steed A, “Master of Science in Anesthesia Program – Simulation, Assessment, Curriculum Development, Leadership, Program Management,” Indiana University School of Medicine, Department of Anesthesia, In-progress. (Jan 2021 – Present)
- \*Teaching, Faculty Development, Greene Y, “Master of Medical Science in Anesthesiology, Professional Development, Leadership, Program Management,” Emory University School of Medicine, Department of Anesthesiology, In-progress. (Jan 2021 – Present)
- \*Research, Grant Writing Mentor, Agrawal A, “Technology Facilitated Experiential Learning Enhances Core Radiology Clerkship Clinical Exposure Equitably Across a Multi-Campus Medical School and Improves Student Experience,” Indiana University Purdue University Indianapolis Curriculum Enhancement Grant 2021, Internal funding, Awarded, Completed. (Jan 2021 – Feb 2021)
- \*Research, Grant Writing Mentor and Project Mentor, Okano D, Cartwright JF, “Direct Laryngoscopy Intubation Training with Real-Time Computerized Feedback: Development of a Pressure-Sensing Task Trainer,” IUSM Department of Anesthesia Innovation and Pilot Grant, Internal funding, Awarded, In-progress. (Jan 2021 – Present)
- \*Research, Educational Scholarship Mentor, Butt S, Eckel C, Husmann P, Magnum J, “Covid Education,” Indiana University School of Medicine, Research in Medical Education, Faculty Learning Community Team Lead: Covid-related Educational Initiatives, In-progress. (May 2021 – Present)
- \*Research, Grant Writing Mentor, Cartwright JF, “Development of a High-fidelity Pressure-sensing Intubation Task Trainer”, 2021 SSH Novice Research Grant Program, Society for Simulation in Healthcare, External funding, Completed. (Aug – Oct 2021)
- \*Teaching, Faculty Development and Education Mentor, Packiasabapathy S, “Alternate Entry Pathway: Clinician Educator Pathway: Four-Year Plan Toward ABA Board Eligibility” American Board of Anesthesiology, Approved, Completed. (Nov 2021 – Jan 2022)
- \*Research, Grant Writing Mentor and Project Mentor, Boyer TJ, “Obtaining the Trifecta: Aligning UME, GME, and Faculty Development in Medical Education Research,” Foundation for Anesthesia Education and Research, External funding, Completed. (Nov 2021 – Feb 2022)
- \*Teaching, Faculty Development and Education Mentor, Packiasabapathy S, “Alternate Entry Pathway: Clinician Educator Pathway: Four-Year Plan Toward ABA Board Eligibility” American Board of Anesthesiology, In-progress. (Jul 2022 – Present)
- \*Research, Grant Writing Mentor and Project Mentor, Boyer TJ, “Improving Wellbeing and Spirituality While Lessening Moral Distress in the Riley Operating Room, A Culture Improvement Process”, IU Health Values Fund for the Integration of Spiritual and Religious Dimensions in Healthcare, External funding, Completed. (Oct 2022 – Dec 2022)

\*Research, Grant Writing Mentor, Blaise A, Boyer TJ, "Unlocking Potential: Empowering Diverse, Creative Minds from Community Colleges to Pursue Medicine", American Society of Anesthesiologists Committee on Professional Diversity Mentoring Grant Program, Mentoring Award Subcommittee, External funding, Awarded, Completed. (Apr 2023 – Aug 2023).

## **TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT**

Major Course Revision, Activity Lead, "Human Anatomy". (Aug 2011 – Dec 2011)

New Course Development, Activity Lead, "Principles of Airway Management Lab". (Nov 2011 – Aug 2012)

New Course Development, Activity Lead, "Applied Anatomy for Anesthesiologist Assistants". (Oct 2013 – Dec 2016)

Major Course Revision, Activity Lead, "Applied Statistics". (Jun 2017 – Dec 2017)

Major Course Revision, Activity Member, "Orientation to Clerkships". (Mar 2017 – Jul 2018)

New Program/Degree Curriculum Development, Activity Member, "Master of Science in Anesthesia". (Apr 2017 – Feb 2019)

Instructional Technology Implementation, Activity Lead, "Medatrx for Student Anesthesiologist Assistant Case Logs and Evaluations Management Software". (Sep 2017 – Jul 2018)

Instructional Technology Implementation, Activity Lead, "Transition from Department Intranet Site to Canvas LMS". (Oct 2017 – Feb 2018)

New Course Development, Activity Lead, "Foundations of Clinical Science 2". (Oct 2017 – Apr 2018)

New Course Development, Activity Lead, "Foundations of Clinical Science 3". (Feb 2018 – Aug 2018)

Instructional Technology Implementation, Activity Lead, "Google Sheets for Student Anesthesiologist Assistant Case Logs and Evaluations Management Software". (Jul 2018 – Dec 2019)

Instructional Technology Implementation, Activity Lead, "Qualtrics for Student Anesthesiologist Assistant Evaluations Management Software". (Jul 2018 – Dec 2019)

Major Course Revision, Activity Member, "Transitions 2 Clerkships". (Nov 2018 – Apr 2019)

New Course Development, Activity Member, "Anesthesia Course - Online, Synchronous". (Mar 2020 – May 2020)

Course Module Contribution, Activity Member, "IUSM Jumpstart to Teaching: Teaching Science in Graduate and Professional Settings". (Apr 2020 – May 2020)

Major Curriculum Revision, Activity Lead, "Required Anesthesia Clerkship and Electives". (Jan 2017 – Jan 2021)

\*Instructional Technology Implementation, Activity Lead, "Department of Anesthesia Educational Programs". (May 2017 – Present)

Major Curriculum Revision, Activity Member, "Residency in Anesthesiology". (May 2017 – May 2022)

\*Lecture Capture for Asynchronous Instruction, Activity Lead, "Zoom for Department of Anesthesia". (Nov 2017 – Aug 2022)

Lecture Video Editing for Asynchronous Instruction, Activity Lead, "Kaltura for Department of Anesthesia". (Nov 2017 – Mar 2021)

Lecture Video Dissemination/Posting/Management for Asynchronous Instruction, Activity Lead, "Kaltura-Canvas for Department of Anesthesia". (Nov 2017 – Mar 2021)

External Website Administrator, Activity Lead, "Sitecore for Department of Anesthesia Website". (Jan 2018 – Present)

Instructional Technology Implementation, Activity Lead, "Anesthesia Toolbox for Residents, Fellows, Student Anesthesiologist Assistants, Advanced Practice Providers, and Faculty Physicians". (Jul 2019 – Jul 2020)

Instructional Technology Implementation, Activity Lead, "myTIPreport Competency-Based Assessment Software for Residents and Faculty Physicians". (Jul 2019 – Jul 2020)

New Curriculum Development, Activity Lead, "Just in Time Training". (Aug 2019 – Dec 2020)

New Curriculum Development, Activity Lead, "POCUS for Anesthesia – Train-the-Trainers, Trainees, and Students". (Aug 2019 – Sep 2022)

Instructional Technology Implementation, Activity Lead, "Anesthesia Toolbox for Medical Students (Phase 2 and 3)". (May 2020 – May 2021)

\*New Course Development, Activity Lead, "Anesthesia Course". (Mar 2020 – May 2020)

\*Major Curriculum Revision, Activity Member, "Anesthesia Electives". (May 2020 – Mar 2022)

\*New Course Development, Activity Member, "Transitions 2.5". (Nov 2020 – Apr 2021)

\*Major Course Revision, Activity Lead, "Anesthesia Selective". (Nov 2020 – Apr 2021)

\*Major Clinical Reasoning Assessment Revision, Activity Member, "Medical Student End of Phase 2 OSCEs Summative Assessment." (Jan – Jun 2022)

\*Clinical Performance Assessment Revision, Activity Member, "Anesthesiology Residency – Milestones 2.0". (Sep 2021 – Jun 2022)

\*Minor Course Revision, Activity Lead, "Anesthesia Selective: Bench to Bedside Articles". (Feb 2022 – Apr 2022)

\*Minor Course Revision, Activity Lead, "Anesthesia Selective: PoCUS Simulation at Orientation". (Feb 2022 – Apr 2022)

\*Instructional Technology Implementation, Activity Lead, "Canvas Course Site for Medical Education Research in Anesthesia Elective". (Aug 2022)

\*Major Course Revision, Activity Lead, "Anatomy, Physiology, and Pharmacology for Master of Science in Anesthesia". (Dec 2022 – Present)

## GRANTS/FELLOWSHIPS IN TEACHING

### COMPLETED FUNDED TEACHING GRANTS/FELLOWSHIPS

Boyer TJ (PI), **Mitchell SA** (Co-PI). Grant, Teaching, "Just in Time Training: Development of an in-situ Simulation Training Program for AA Students, IUSM Medical Students, and IUSM Anesthesia Residents", Curriculum Enhancement Grant, Center for Teaching and Learning, IUPUI, Competitive, Internal, United States, \$30,000.00, % Effort: 0.1, Awarded. (May 2019 – Dec 2020)

Boyer TJ (PI), **Mitchell SA** (Co-PI). Grant, Teaching, "Creation of Nationally Recognized Anesthesia POCUS Curriculum and Implementation for IU Health Department of Anesthesia", IU Health Values in Education Grant, Indiana University Health, Competitive, Not-for-Profit, United States, \$100,000.00, % Effort: 0.1, Awarded. 074565. (Nov 2019 – Oct 2021; extended Sep 2022)

\*Hunter-Squires J (PI), Saruni, SL, (Co-PI), Authors: Anton NE, Athanasiadis D, Bhatia MB, Cumming J, Doster D, Gillio A, Hernandez E, Kim C, Kimani W, Lee N, Levy JS, **Mitchell SA**, Okoth P, Rogers A, Sankaranarayanan G, Stefanidis D, Wainana A. Grant, Teaching, "AMPATH Surgical Cookbook", Global Surgical Training Challenge Discovery Award, Intuitive Foundation, Nesta Challenges, and MIT Solve, Competitive, Not-for-Profit, United States, \$200,000.00, % Effort: 0.1, Awarded. (Feb 2021 – Feb 2022)  
<https://solve.mit.edu/challenges/globalsurgicaltraining/solutions/36379>

### ACTIVE FUNDED TEACHING GRANTS/FELLOWSHIPS

\*Wallach P (PI), Allen B (Co-PI), "Indiana University School of Medicine PRIME Grant", Agency for Healthcare Research and Quality, Competitive, Not-for-Profit, United States, Subaward **Mitchell SA** (PI), Co-PIs: Webb TT, Cartwright JF, Moore C, "POCUS and Procedure Guidance in Anesthesia Clerkship", \$200,120.00, % Effort 0.1, Awarded. (Sep 2022 – Present)

\* Boyer TJ (PI), **Mitchell SA** (Co-PI), Ye J (Co-PI). Grant, Teaching, "Obtaining the Trifecta: Aligning UME, GME, and Faculty Development in Medical Education Research at Riley Hospital for Children", Curriculum Enhancement Grant, Center for Teaching and Learning, IUPUI, Competitive, Internal, United States, \$30,000.00, % Effort: 0.1, Awarded. (Jun 2023 – Jun 2024)

### SUBMITTED BUT NOT FUNDED TEACHING GRANTS/FELLOWSHIPS

Stefanidis D (PI), Co-PIs: Anton N, Bean E, Belisle PJ, Boyer TJ, Cooper D, Gaba D, Hennings J, Lee NK, LaMothe J, **Mitchell SA**, Saysana M, Torbeck LS, Yu D. Grant, Teaching, "Mental Skills Training to Make Average Team Performance Excellent", (R18), Agency for Healthcare Research and Quality, Competitive, Government, United States, \$5,000,000.00, % Effort: 0.1, Rejected. (Mar 2019)

**Mitchell SA** (PI). Grant, Teaching, "Just in Time Teaching and Learning for Deliberate Practice of Procedural Skills on Task Trainers", Young Investigators Project, Society for Simulation in Healthcare, Competitive, Not-for-Profit, United States, \$10,000.00, % Effort: 0.1, Rejected. (May 2019)

Boyer TJ (PI), **Mitchell SA** (Supporting Personnel). Grant, Research/Creative Activity, "Adding Content Validity to Echo on the ABA Board Exams Using a Modified-Delphi Technique", American Board of Anesthesiology; Foundation for Anesthesia Education and Research, Competitive, Foundation, United States, \$100,000.00, % Effort: 0.1, Rejected. (Jul 2019)

**Mitchell SA** (PI), Sadhasivam S (Mentor), Co-PIs: Acquaviva MA, Backfish-White KM. Grant, Teaching, "Anesthesia and Perioperative Patient Safety Curriculum (APPSC): Modification, Implementation, and Evaluation of an Established Core Curriculum through a Specialty-Specific Lens for Education of Anesthesia Care Team Members in Training", Anesthesia Patient Safety Foundation and Patient Safety Movement Foundation, Competitive, Foundation, United States, \$100,000.00, % Effort: 10, Rejected. (May 2020)

\*Hunter-Squires J (PI), Saruni, SL, (Co-PI), Authors: Anton NE, Athanasiadis D, Bhatia MB, Cumming J, Doster D, Gillio A, Hernandez E, Kim C, Kimani W, Lee N, Levy JS, **Mitchell SA**, Okoth P, Rogers A, Sankaranarayanan G, Stefanidis D, Wainana A. Grant, Teaching, "AMPATH Surgical App (ASAP)", and "Evaluating the Effectiveness of the AMPATH Surgical App (ASAP): Open Appendectomy Module", Global Surgical Training Challenge Finalist Award, Intuitive Foundation, Nesta Challenges, and MIT Solve, Competitive, Not-for-Profit, United States, \$1,000,000.00, % Effort: 0.1, Rejected. (Jan 2022)  
<https://solve.mit.edu/challenges/globalsurgicaltraining/solutions/36379>

\***Mitchell SA** (PI). Grant, Teaching, "Objective Structured Clinical Examinations (OSCE) for Clinical Reasoning Assessment Creative Community", National Board of Medical Examiners, Competitive, United States, \$150,000.00, % Effort: 0.2, Rejected. (Mar 2022)

#### COMPLETED UNFUNDED TEACHING/EDUCATION RESEARCH PROJECTS

Boyer TJ (PI), Co-PIs: Abbasi RK, Egan BN, Kroepfl EA, **Mitchell SA**, Pawale D. "Evaluation and Dissemination of Anesthesia Resident, Fellow, and Medical Student Simulation Program at Indiana University", Department of Anesthesia, Indiana University School of Medicine, Indiana University, IRB #1801644617, Exempt, United States. (Feb 2018 – Jun 2019)

Woodworth G (PI), Co-PIs: Goldstein Z, Marty A, Tanaka P, Ambardekar A, Chen F, Duncan M, Fromer I, Klesius L, Ladlie B, McGrath B, Juve AM, **Mitchell SA**, Sims CR, Van Cleve W, Spofford C, Shepler J, Dillman D, Mitchell JD, Maniker R, Isaak R, Perez ER, Chandran NK, Eskildsen J, Rayaz H, Baird, E. "Creating a Programmatic System of Assessments for Evaluation of Anesthesiology Residency Milestone Achievement: Initial Delphi", Oregon Health Sciences University, IRB #00019524, Exempt, United States. (Jan 2019 – Dec 2021)

Maniker R (PI), Co-PIs: Woodworth G, Marty A, Tanaka P, Ambardekar A, Chen F, Fromer I, Hallman M, Klesius L, Ladlie B, McGrath B, Juve AM, **Mitchell SA**, Sims C, Van Cleve W, Spofford C. "Micro-Assessment – Identifying the Smallest Meaningful Assessment Unit in Postgraduate Medical Education: Entrustable Professional Activities for Anesthesiology Resident Trainees", Columbia University Medical Center, IRB Exempt, United States. (Jan 2019 – Dec 2021)

**Mitchell SA** (PI). "Micro-Assessment – Identifying the Smallest Meaningful Assessment Unit in Postgraduate Medical Education: Entrustable Professional Activities for Anesthesiology Resident Trainees", Department of Anesthesia, Indiana University School of Medicine, Indiana University, IRB #1902418276, Not Human Subject Research, United States. (Feb 2019 – Dec 2021)

Woodworth G (PI), Co-PIs: Arner A, Chen F, Chen M, Diachun CA, Juve AM, Mitchell JD, **Mitchell SA**, Zuo L. "Adaptation of Anesthesiology Residency Training During the COVID 19 Crisis: A Multi-Centered Survey Study", Department of Anesthesiology, Oregon Health Sciences University, IRB #00021458, Exempt, United States. (Apr 2019 – Sep 2021)

Cox L (PI), Co-PIs: Klemsz AF, Mehta RP, Mensz JM, **Mitchell SA**, Smith JP, Stanton K. "Assessment of Medical Education Evaluation Methods as Predictors of Future Performance on Standardized Knowledge and Clinical Assessments", Medical Student Education Work

Group, Indiana University School of Medicine, Indiana University, IRB #1906442286 A002, Exempt, United States. (Jun 2019 – April 2020)

## ACTIVE UNFUNDED TEACHING/EDUCATION RESEARCH PROJECTS

Boyer TJ (PI), Co-PIs: Dunlap JD, Heskett M, **Mitchell SA**. "Evaluation and Dissemination of Anesthesia Education", Department of Anesthesia, Indiana University School of Medicine, Indiana University, IRB #12407, Exempt, United States. (Jun 2019 – Present)

\*Woodworth G (PI), Co-PIs: Goldstein Z, Marty A, Tanaka P, Ambardekar A, Chen F, Duncan M, Fromer I, Klesius L, Ladlie B, McGrath B, Juve AM, **Mitchell SA**, Sims CR, Van Cleve W, Spofford C, Shepler J, Dillman D, Mitchell JD, Maniker R, Isaak R, Perez ER, Chandran NK, Eskildsen J, Rayaz H, Baird, E. "Creating a Programmatic System of Assessments for Evaluation of Anesthesiology Residency Milestone Achievement: OSCE Development", Oregon Health Sciences University, IRB #00022707, Exempt, United States. (Jan 2019 – Present)

\*Yu C (PI), **Mitchell SA** (Co-PI), Webb TT (Co-PI). "Advancing Anesthesiology Education Practice in the Adult Anesthesia Elective", Department of Anesthesia, Indiana University School of Medicine, Indiana University, IRB #2007706330, Exempt, United States. (Aug 2020 – Present)

\*Ahmed RA (PI), Palaganas J (Co-PI), Bajwa M (Co-PI), Key Personnel: multiple **Mitchell SA**. "Establishing the Guidelines for Distance Simulation Educators", Society for Simulation in Healthcare, International. (Dec 2022 – Present)

\*Stefanidis D (PI), Cheng A (PI), Key Personnel: multiple, **Mitchell SA**. "Guideline Development and Systematic Review of Research in Simulation: Simulation/Simulator Fidelity Workgroup: Physical Realism Effect on Team Training", 2023 SSH Research Summit, Society for Simulation in Healthcare, International. (Dec 2022 – Present)

\*Husmann P (PI), Co-PIs: Butt S, Eckel C, Mangus J, **Mitchell SA**. "Perceptions on the Important Aspects of Canvas pages", Research in Medical Education Faculty Learning Community, Office of Faculty Affairs Professional Development and Diversity, Indiana University School of Medicine, Indiana University, IRB #14694, Exempt, United States. (Mar 2022 – Present)

\*Rowland K (PI), Key Personnel: multiple, **Mitchell SA**. "Presence and Patterns of Emotional Language in Third-year Medical Students' (M3) End-of-course Evaluations", Rush University School of Medicine, IRB Not HSR, Medical Education Scholarship Research and Evaluation, Group on Educational Affairs, AAMC, United States. (Aug 2023 – Present)

## INVITED PRESENTATIONS - TEACHING

### REGIONAL

Boyer TJ, Ondecko-Ligda K, Abbasi RK, Blanchard E, Carter T, **Mitchell SA**, Teaching, Poster, Competitive/Refereed, "Anesthesia OSCE Exam Prep – Panel Experience from Three Institutions", Conference, Annual Riley Surgical Research Day, Riley Hospital for Children. (May 2019)

Boyer TJ, Ondecko-Ligda K, Cooper DD, Poore JA, Schroedle K, **Mitchell SA**, Teaching, Poster, Competitive/Refereed, "Free Volunteers vs Costly Standardized Patients: Which is Best?", Conference, Annual Riley Surgical Research Day, Riley Hospital for Children. (May 2019)

**Mitchell SA**, Teaching, Lecture/Talk, Invited, “Healthcare Careers and Education Pathways with Emphasis on Clinical Applications of Anatomy”, Visiting Lecturer, Human Anatomy, Hanover College. (Sep 2019)

**Mitchell SA**, Teaching, Lecture/Talk, Invited, “Healthcare Careers and Education Pathways with Emphasis on Clinical Applications of Pathophysiology”, Visiting Lecturer, Pathophysiology, Hanover College. (Sep 2019)

**Mitchell SA**, Teaching, Lecture/Talk, Invited, “Anesthesiology Careers and Education Pathways: Compare and Contrast Health Professions”, Visiting Lecturer, Exploring Health Professions, Hanover College. (Feb 2020)

Boyer TJ, Ondecko-Ligda K, Abbasi RK, Blanchard E, Carter T, **Mitchell SA**, Teaching, Poster, Competitive/Refereed, "Anesthesia OSCE Exam Prep – Panel Experience from Three Institutions", Conference, IUSM Education Day, Indiana University School of Medicine. (Mar 2020)

Boyer TJ, Dahl JP, **Mitchell SA**, Teaching, Poster, Competitive/Refereed, "Interdisciplinary Simulation Provides Perceived Learning Benefit to both Pediatric Anesthesia Fellows and Otolaryngology Residents", Conference, IUSM Education Day, University School of Medicine. (Mar 2020)

Boyer TJ, Ondecko-Ligda K, Cooper DD, Poore JA, Schroedle K, **Mitchell SA**, Teaching, Poster, Competitive/Refereed, "Free Volunteers vs Costly Standardized Patients: Which is Best?", Conference, IUSM Education Day, Indiana University School of Medicine. (Mar 2020)

\*Vleck AJ, **Mitchell SA**, Boyer TJ, Teaching, Poster, Competitive/Refereed, “Pilot Study of Self-reported Resident Confidence Prior to ABA OSCEs”, Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2020) <https://hdl.handle.net/1805/24186>

\*Priddy C, Dahl, JP, **Mitchell SA**, Boyer TJ, Teaching, Poster, Competitive/Refereed, “A Comparison of Favored Learning Modalities”, Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2020) <https://hdl.handle.net/1805/24190>

\*Schell ZJ, **Mitchell SA**, Boyer TJ, Teaching, Poster, Competitive/Refereed, “Local Anesthetic Systemic Toxicity Simulation Survey: A Resident Experience”, Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2020) <https://hdl.handle.net/1805/24192>

\*Patel CB, Boyer TJ, **Mitchell SA**, Yu C. Research Abstract and Poster, Competitive/Refereed, “Vascular Air Embolism Simulation Demonstrates Effective Resident Training in Rare Life-threatening Perioperative Events”, Conference, Society of Hospital Medicine Indiana Chapter Annual Conference. (Nov 2020)

\***Mitchell SA**, Teaching, Lecture/Talk, Invited, “Anesthesiology Careers and Education Pathways: Compare and Contrast Health Professions”, Visiting Lecturer, Exploring Health Professions, Hanover College. (Feb 2021)

\*Traylor B, Presto E, McCutcheon A, Germeroth D, **Mitchell SA**, Boyer TJ. Teaching, Oral Presentation, Competitive/Refereed, "Designing a Difficult Airway Skills Curriculum for Anesthesiology Residents: A Modified-Delphi Approach to Determine Training-levels for Skills Introduction, Practice, and Retention", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2021)

\*Haskett LA, Doster DA, Athanasiadis DI, Anton NE, Huffman EM, Wallach P, Walvoord E, Stefanidis D, **Mitchell SA**, Lee NK. Research/Creative Activity, Poster,

- Competitive/Refereed, "Resilience Matters! Student Perceptions of the Impact of COVID-19 on Undergraduate Medical Education", Conference, IUSM Education Day. (Apr 2021)
- \*Collins E, Sanborn B, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "From Clinical Clerkship to Virtual Course: Instructional Design for Online Teaching and Learning to Remotely Deliver UME Content: An Application of Evidence-Based Education", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2021)
- \*Boyer T, Sanborn B, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "Robust Scholarly Activity from a New Online Elective in Anesthesia Medical Education Research: A Response to the UME Call for Virtual Learning Opportunities During Covid-19 Pandemic", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2021).
- \*Cartwright J, Boyer TJ, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Smile for the Trail Cam: Capturing Just in Time Training Cart Usage at Three Hospitals: A Case Report of User Adoption of a New Educational Intervention", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2021)
- \*Yu C, Guillaud D, Webb TT, Sanborn B, Cartwright J, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Development of a Hybrid Clinical and Academic Anesthesiology Elective", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2021) <https://hdl.handle.net/1805/28137>
- \*Salas C, Cartwright JF, **Mitchell SA**, Boyer TJ. Teaching, Poster, Competitive/Refereed, "Just in Time Pediatric Anesthesia Simulation for Anesthesia Residents", Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2021) <https://hdl.handle.net/1805/28099>
- \*Campbell NC, **Mitchell SA**, Dahl JP, Boyer TJ. Teaching, Poster, Competitive/Refereed, "Lessons Learned from Interdisciplinary Simulation with Pediatric Anesthesia Fellows and Otolaryngology Residents", Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2021) <https://hdl.handle.net/1805/28143>
- \*Boyer TJ, Cartwright JF, Bassi R, Collins EA, Stewart J, Yu C, **Mitchell SA**. Teaching, Lecture/Talk, Invited, "Just in Time Training in Anesthesia", Conference, 2021 Scholarly Teaching Symposium, Center for Teaching and Learning, IUPUI. (Oct 2021)
- \*Boyer TJ, Cartwright JF, Moore C, Lewis R, Germeroth D, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "A Novel Way to Teach Pediatric Anesthesia Oscillator Training via Simulation", Conference, Annual Riley Surgical Research Day, Riley Hospital for Children. (Feb 2022)
- \*Boyer TJ, **Mitchell SA**, Cartwright JF, Moore C, Okano D. Teaching, Lecture/Talk, Competitive/Refereed, "Medical Direction and Billing Taught via Interprofessional Anesthesia Simulation", Conference, Annual Riley Surgical Research Day, Riley Hospital for Children. (Feb 2022)
- \***Mitchell SA**, Boyer TJ, Sotto SM, Kochhar K. Teaching, Workshop, Competitive/Refereed, "IUSM FAPDD RIME Faculty Learning Communities: A Great Way to Become More Involved in Med Ed Research", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2022)
- \*Yu C, Ye J, Boyer T, **Mitchel SA**. Teaching, Poster, Competitive/Refereed, "Career mentors and 5-year data on the IUSM anesthesiology match", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2022) <https://hdl.handle.net/1805/33215>

- \*Hussman PR, Eckle CM, Mangum JE, Butt S, **Mitchell SA**. Teaching, Presentation, Competitive/Refereed, "IUSM Canvas Page Evaluations: What Should We Include?", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2022)
- \*Yu C, Ye J, **Mitchell SA**, Boyer TJ. Teaching, Presentation, Competitive/Refereed, "Career Mentorship Utilization and Success in the Match: How Can We Best Help Students at Risk of Not Matching?", IUSM Education Day, Indiana University School of Medicine. (Apr 2022)
- \*Richter BD, **Mitchell SA**, Cartwright JF, Moore C, Lewis R, Germeroth D, Boyer TJ. Teaching, Presentation, Competitive/Refereed, "A Novel Way to Teach Oscillator Training via Simulation", IUSM Education Day, Indiana University School of Medicine. (Apr 2022)
- \*Yu C, Ye J, **Mitchell SA**, Boyer TJ. Teaching, Poster, Competitive/Refereed, "Medical Student Concerns for Respiratory Protection on Anesthesiology Electives", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2022)
- \*Chen AW, Okano DR, **Mitchell SA**, Cartwright JF, Moore C, Boyer TJ. Teaching, Poster, Competitive/Refereed, "Intraoperative Tension Pneumothorax in a Trauma Patient: An Adult Simulation Case for Anesthesia Residents", Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2022)
- \*Yu C, Ye J, Boyer T, **Mitchel SA**. Teaching, Poster, Competitive/Refereed, "Career mentors and 5-year data on the IUSM anesthesiology match", Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2022)
- \*Husmann PR, Butt S, Eckel CM, Mangum J, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Development of a Tool to Assess LMS Site Quality at the Medical School Level", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2023)
- \*Weller R, **Mitchell SA**, Tsia M, Yu C. Teaching, Poster, Competitive/Refereed, "Evaluating the Medical Leadership Reading Elective", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2023) <https://hdl.handle.net/1805/33144>
- \*Rigueiro G, Dammann E, Guillaud D, Packiasabapathy S, **Mitchell SA**, Yu C. Teaching, Poster, Competitive/Refereed, "Examining Visiting Student Evaluation Forms", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2023) <https://hdl.handle.net/1805/33155>
- \*Blaise A, Yu C, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Why Not Medicine? Perceived Barriers to Pursuing Medical Degrees in Junior College Students", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2023)
- \*Guillot t'J, Shupp T, Butt S, Eckel CM, Mangum J, **Mitchell SA**, Husmann PR. Teaching, Poster, Competitive/Refereed, "Development and Pilot of Rubric for Evaluating Canvas Pages of Medical Education Courses", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2023)
- \*Husmann PR, Butt S, Eckel CM, Mangum J, **Mitchell SA**. Teaching, Poster and Abstract, Competitive/Refereed, "Development of a Tool to Assess LMS Site Quality at the Medical School Level", Conference, Central Group on Educational Affairs Annual Meeting, Association of American Medical Colleges. (Apr 2023)
- \*Shupp T, Guillot t'J, Butt S, Eckel CM, Mangum J, **Mitchell SA**, Husmann PR. Teaching, Poster and Abstract, Competitive/Refereed, "Evaluating the Quality of Medical School Canvas

Pages, Pre-Pandemic Through Today”, Conference, HAPS Annual Conference, Human Anatomy and Physiology Society. (May 2023)

\*Yu C, Hartman JM, Rigueiro FJ, **Mitchel SA**, Boyer TJ. Teaching, Poster, Competitive/Refereed, “A Simulation Case on Intraoperative Venous Air Embolism for Anesthesiology Residents”, Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2023)

\*Lama S, Okano DR, Moore C, Cartwright JF, **Mitchell SA**, Boyer TJ. Teaching, Poster, Competitive/Refereed, “Enhancing Competence and Preparedness: Identification and Management of Ventricular Tachycardia vs Ventricular Fibrillation for Newbie Anesthesia Resident Physician”, Conference, ISA Annual Meeting, Indiana Society of Anesthesiologists. (Sep 2023)

## NATIONAL

**Mitchell SA**, Robertson A, Schlecht K, Wiisanen M, Zuegge K, Teaching, Workshop, Competitive/Refereed, "How Does Your Clinical Curriculum and Evaluation Compare to Other Medical Schools?", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2018)

Curry S, **Mitchell SA**, Robertson A, Schlecht K, Wiisanen M, Teaching, Workshop, Competitive/Refereed, "How Does Your Didactic Curriculum Compare to Other Medical Schools?", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2018)

**Mitchell SA**, Teaching, Lecture/Talk, Invited, "Implementation of EPAs at the Program Level", Conference, Society of Academic Associations of Anesthesiology and Perioperative Medicine Annual Meeting. (Nov 2019)

Boyer TJ, **Mitchell SA**, Ondecko-Ligda K, Singh D, Blasius K, Gurnaney H, Willie C, Ambardekar A, Young D, Teaching, Workshop, Competitive/Refereed, "Prep Your Residents and Fellows for Success: How to Develop and Run ABA-Style Practice OSCEs Today!", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (May 2020) [cancelled]

\*Boyer TJ, **Mitchell SA**, Ondecko-Ligda K, Singh D, Blasius K, Gurnaney H, Willie C, Teaching, Workshop, Competitive/Refereed, "Prep Your Residents and Fellows for Success: How to Develop and Run ABA-Style Practice OSCEs Today!", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2021)

\*Traylor B, Presto E, McCutcheon A, Germeroth D, **Mitchell SA**, Boyer TJ. Teaching, Oral Presentation, Competitive/Refereed, "Designing a Difficult Airway Skills Curriculum for Anesthesiology Residents: A Modified-Delphi Approach to Determine Training-levels for Skills Introduction, Practice, and Retention”, Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2021)

\*Collins E, Sanborn B, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "From Clinical Clerkship to Virtual Course: Instructional Design for Online Teaching and Learning to Remotely Deliver UME Content: An Application of Evidence-Based Education”, Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2021)

\*Boyer T, Sanborn B, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "Robust Scholarly Activity from a New Online Elective in Anesthesia Medical Education Research: A Response to the UME Call for Virtual Learning Opportunities During Covid-19 Pandemic”,

- Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2021)
- \*Cartwright J, Boyer TJ, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Smile for the Trail Cam: Capturing Just in Time Training Cart Usage at Three Hospitals: A Case Report of User Adoption of a New Educational Intervention", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2021)
- \*Cartwright J, Boyer TJ, Hamilton M, Ahmed RA, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Rapid prototype feasibility testing with simulation: Improvements and updates to the Taiwanese "aerosol box", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2021)
- \*Yu C, Guillaud D, Webb TT, Sanborn B, Cartwright J, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Development of a Hybrid Clinical and Academic Anesthesiology Elective", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2021)
- \*Haskett LA, Doster, DA, Athanasiadis DI, Anton NE, Huffman EM, Wallach P, Walvoord E, Stefanidis D, **Mitchell SA**, Lee NK. Research/Creative Activity, Oral Podium, Competitive/Refereed, "Resilience Matters! Student Perceptions of the Impact of COVID-19 on Undergraduate Medical Education", Conference, Association for Surgical Education Annual Meeting, American College of Surgeons. (Apr 2021)
- \*Chen F, **Mitchell SA**. Teaching, Lecture/Talk, Invited, "Step-by-Step How to Write an Abstract", Conference, SAAAPM Annual Meeting, Society of Academic Associations of Anesthesiology and Perioperative Medicine. (Nov 2021)
- \*Bhatia MB, Namazi B, Matthews J, Thomas C, Doster D, Collings A, **Mitchell SA**, Stefanidis D, Sankaranarayanan G, Saruni S, Hunter-Squires J, Teaching, Poster, Competitive/Refereed, "Use of Artificial Intelligence to Support Surgical Education Personnel Shortages in Low- and Middle-Income Countries", ASE Annual Meeting, Association for Surgical Education. (May 2022)
- \*Boyer TJ, Brown B, Caplan L, **Mitchell SA**, Willie C. Teaching, Workshop, Competitive/Refereed, "How to Help Yourself and Others with Professional Identity Formation", Conference, Society for Education in Anesthesia Fall Meeting, American Society of Anesthesiologists. (Nov 2022)
- \*Boyer TJ, **Mitchell SA**, Caplan L, Brown B, Willie C. Teaching, Workshop, Competitive/Refereed, "How to Engage Coaches and Mentors as an Early Career Clinician Educator: Tips to Find your Ideal Match", Conference, Society for Education in Anesthesia Spring Meeting, American Society of Anesthesiologists. (Apr 2023)

## INTERNATIONAL

- Mitchell SA**. Teaching, Lecture/Talk, Invited, "Simulation in Education of Anesthesiologist Assistants at Emory University School of Medicine", Conference, Canadian Anesthesiologists Society Annual Meeting, Canadian Anesthesiologists Society, Canada. (Jun 2013)
- Boyer TJ, Blanchard E, Carter T, **Mitchell SA**, Ligda KO. Teaching, Panel, Competitive/Refereed, "Anesthesia OSCE Experience for the ABA Applied Exam", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2019)
- Ligda KO, Boyer TJ, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "Development of an Objective Structured Clinical Examination for Anesthesiology Trainees", Conference,

- International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2019)
- Cooper DD, Hasty G, Mays C, Stephenson EK, Byrne BJ, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "Improving Simulation Quality Through Interprofessional Peer Review", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2019)
- Ligda KO, Boyer TJ, **Mitchell SA**, Blanchard E. Teaching, Workshop, Competitive/Refereed, "Objective Structured Clinical Examination (OSCE) for Anesthesia", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2019)
- Boyer TJ, Cooper DD, Ligda KO, **Mitchell SA**, Poore JA, Schroedle K. Teaching, Panel, Competitive/Refereed, "Using Free Volunteers Versus Costly Standardized Patients: Which is Best?", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2019)
- Mitchell SA**, Boyer TJ, Cartwright JF. Teaching, Lecture/Talk, Competitive/Refereed, "In-situ Just in Time Training in Anesthesiology", Conference, International Network for Simulation-based Pediatric Innovation, Research and Education, INSPIRE. (Jan 2020)
- Boyer TJ, Dahl JP, **Mitchell SA**. Teaching, Poster, Competitive/Refereed, "Interdisciplinary Simulation Provides Perceived Learning Benefit to Both Pediatric Anesthesia Fellows and Otolaryngology Residents", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2020)
- Mitchell SA**, Boyer TJ, Collins EA, Stewart JL. Teaching, Lecture/Talk, Competitive/Refereed, "Just in Time Training: Development of an In-situ Simulation Training Program for AA Students, IUSM Medical Students, and IUSM Anesthesia Residents", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2020)
- Maniker R, Woodworth G, Marty A, Tanaka PP, Ambardekar A, Chen F, Fromer I, Hallman MR, Klesius L, Ladlie B, McGrath B, Juve AM, **Mitchell SA**, Sims CR, Van Cleve WC, Spofford C. Research/Creative Activity, Poster, Competitive/Refereed, "Defining Entrustable Professional Activities for United States Anesthesiology Residency Training", Conference, International Anesthesia Research Society. (May 2020)
- \***Mitchell SA**, Cartwright J, Boyer TJ. Teaching, Lecture/Talk, Competitive/Refereed, "Progress Alert: Just in Time Training in Anesthesia", Conference, International Network for Simulation-based Pediatric Innovation, Research, and Education, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2021)
- \*Boyer TJ, Cartwright J, Ahmed RA, Shablak D, **Mitchell SA**. Teaching, Lecture/Talk, Competitive/Refereed, "How to Use a High-fidelity Lung Simulator", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Mar 2021)
- \*Boyer TJ, Cartwright J, Ahmed RA, Shablak D, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "Operations Workshop on High Fidelity Ventilation Simulator Setup and Use", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Mar 2021)
- \* **Mitchell SA**, Cartwright J, Evankovich SA, Steed A, Boyer TJ. Teaching, Panel, Competitive/Refereed, "Interprofessional Anesthesia Simulation: Education of Resident Physicians and Student Anesthetists", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2022)

- \*Boyer TJ, Cartwright J, Ahmed RA, Shablak D, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "Interactive Workshop on High Fidelity Ventilation Simulator Setup and Use", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2022)
- \*Boyer TJ, Cartwright J, Stanton-Maxey K, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, " Interdisciplinary Education Workshop on Preparation for Internship UME Rotation", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2022)
- \*Boyer TJ, Cartwright J, Stanton-Maxey K, **Mitchell SA**. Teaching, Panel, Competitive/Refereed, "Innovation in Interdisciplinary Surgery-Anesthesia Education: Preparation for Internship Rotation Workshops", Conference, SSH Anesthesiology Section Sponsored Session, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2022)
- \*Boyer TJ, Cartwright J, Ahmed RA, Shablak D, **Mitchell SA**. Teaching, Workshop, Competitive/Refereed, "Interprofessional Educator Workshop: How to Use a High-fidelity Lung Simulator", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2022)
- \*Boyer TJ, **Mitchell SA**, Cartwright JF, Okano D. Research/Creative Activity, Poster and Oral Presentation, Competitive/Refereed, "Interprofessional Anesthesia Simulation: Education of Resident Physicians and Student Anesthetists", Conference, Association of University Anesthesiologists, AUA Annual Meeting. (Mar 2022)
- \*Boyer TJ, Cartwright JF, Germeroth D, **Mitchell SA**. Research/Creative Activity, Poster and Oral Presentation, Competitive/Refereed, "A Sim Ops Guide to Setting Up Pediatric Anesthesia Oscillator Training Simulations", Conference, Association of University Anesthesiologists, AUA Annual Meeting. (Mar 2022)
- \*Mahoney M, Maniker R, Woodworth G, Hallman MR, Klesius L, **Mitchell SA**, McGrath B, Spofford C. Research/Creative Activity, Poster and Oral Presentation, Competitive/Refereed, "Pilot Implementation of Entrustable Professional Activities in Seven United States Anesthesiology Residency Training Programs", Conference, Association of University Anesthesiologists, AUA Annual Meeting. (Mar 2022)
- \*Ahmed RA, Boyer TJ, Cartwright J, Cooper DD, Falvo LE, Mays CL, **Mitchell SA**, Moore MJ, Poore JA, Weidman C, Bona A. Teaching, Panel, Competitive/Refereed, " Development of a Simulation Technical Competence Curriculum for Simulation Fellows", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2023)
- \***Mitchell SA**, Abbasi R, Germeroth D, Tanis-Arens C, Lepper L, Hoyer M, Alexy R, Ross M, Bland R, Cartwright JF, Moore C, Boyer TJ. Teaching, Lecture/Talk, Competitive/Refereed, "Lessons Learned from Mock Codes in the Pediatric Hospital Cardiac Catheterization Laboratory", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2023)
- \*Donoghue A, Blanchard E, **Mitchell SA**, Lockey A. Research/Creative Activity, Lecture/Talk, Competitive/Refereed, "Simulation/Simulator Fidelity (Task Resemblance of Reality): Teamwork: Findings, Recommendations, Research Priorities", Conference, SSH Research Summit, Society for Simulation in Healthcare. (Jan 2023)

\*Boyer TJ, Abbasi R, Germeroth D, Tanis-Arens C, Lepper L, Hoyer M, Alexy R, Ross M, Bland R, Cartwright JF, Moore C, **Mitchell SA**. Teaching, Lecture/Talk, Competitive/Refereed, "Deliberate Practice of Crisis Resource Management and Team Training via Interprofessional Mock Codes in the Riley Catheterization Laboratory", Conference, International Network for Simulation-based Pediatric Innovation, Research, and Education, INSPIRE. (Jan 2023)

\*Willie C, Boyer TJ, Chen K, Garcia P, Mitchell SA, Wayman KL, Caplan LA. " See One, Do One, Teach One: Gamifying Your Simulation Curriculum with the Escape Room Format", Conference, IPSSW Annual Meeting, International Pediatric Simulation Society. (May 2023)

## SERVICE IN TEACHING

### DEPARTMENT

Admissions Committee, Emory University School of Medicine, Master of Medical Science in Anesthesiology Program, Committee Member. Approximately 60 Spent Per Year, Appointed, No. (Sep 2012 – Dec 2016)

Progress and Promotion Committee, Emory University School of Medicine, Master of Medical Science in Anesthesiology Program, Committee Member. Approximately 4 Spent Per Year, Appointed, No. (Sep 2012 – Dec 2016)

Admissions Committee, Master of Science in Anesthesia Program, Committee Member. Approximately 50 Spent Per Year, Appointed, No. (Apr 2017 – Apr 2019)

\*Program Evaluation Committee, Master of Science in Anesthesia Program, Committee Member. Approximately 4 Spent Per Year, Appointed, No. (Aug 2017 – Present)

\*Progress and Promotion Committee, Master of Science in Anesthesia Program, Committee Member. Approximately 20 Spent Per Year, Appointed, No. (Aug 2017 – Present)

\*Clinical Competence Committee, Residency in Anesthesiology Program, Committee Member. Approximately 12 Spent Per Year, Appointed, No. (Oct 2017 – Present)

\*Program Evaluation Committee, Residency in Anesthesiology Program, Committee Member. Approximately 6 Spent Per Year, Appointed, No. (Oct 2017 – Present)

\*Residency Selection Committee, Residency in Anesthesiology Program, Committee Member. Approximately 15 Spent Per Year, Appointed, No. (Oct 2017 – Present)

\*Assessment and Evaluation Focus Group, Residency in Anesthesiology Program, Organizer/Coordinator. Approximately 10 Spent Per Year, Appointed, No. (Mar 2018 – Present)

\*Clinical Competence Committee, Fellowship in Pediatric Anesthesiology Program, Committee Member. Approximately 4 Spent Per Year, Appointed. (Sep 2018 – Present)

\*Surgical Skills Center Advisory Committee, Department of General Surgery, Committee Member. Approximately 6 Spent Per Year, Appointed, No. (Jan 2019 – Present)

\*Surgical Education Fellowship Advisory Committee, Department of General Surgery, Committee Member. Approximately 10 Spent Per Year, Appointed, No. (May 2019 – Present)

### SCHOOL/COLLEGE

- \*Vice Chairs of Education Committee, IUSM, Committee Member, United States. Approximately 24 Spent Per Year, Appointed, No. (Jan 2017 – Present)
  
- Clerkship Procedures Task Force, IUSM Medical Student Education, Task Force Member. Approximately 8 Spent Per Year, Appointed, No. (Nov 2017 – Mar 2018)
  
- \*Clerkship Working Group, IUSM Medical Student Education, Committee Member. Approximately 60 Spent Per Year, Appointed, No. (Jan 2017 – Present)
  
- \*Clerkship Evaluations Subcommittee (formerly Task Force) of Clerkship Working Group, IUSM Medical Student Education, Committee Member. Approximately 10 Spent Per Year, Appointed, No. (Feb 2017 – Present)
  
- \* Peer Reviewer of Teaching – Didactic, Clinical, Simulation, Faculty Affairs Professional Development and Diversity, IUSM. Approximately 30 Spent Per Year, Appointed. (Jan 2019 – Present)
  - As you know, Faculty Affairs | Professional Development | Diversity (FAPDD) offers peer review of teaching for faculty across the institution. These reviews are provided for faculty who have an interest in growing as teachers, as well as for promotion and tenure or awards dossiers. Reviews will consist of a pre-review meeting, the review, and a post-review debrief. You agree to provide the reviewee with written documentation of the review, as described in the workshop and attachments.
  
- \*Advisory Board of Kelley School of Business Graduate Certificate in Medical Management, Committee Member. Approximately 20 Spent Per Year, Appointed, No. (Jun 2019 – Present)
  - Thanks for agreeing to be a member of the Advisory Board of Kelley's Graduate Certificate in Medical Management. The main purpose of this Advisory Board is to help us ensure we have courses that promoted improvements or quality in health care. More specifically, the IU School of Medicine's CME Committee expect accredited activities to meet the ACCME criteria. This involves reviewing, editing, and commenting on syllabus and course proposal. Collaborating with KSB SME to provide allied health professional perspective and lend expertise in education.
  
- Academic Standards Committee, IUSM, Committee Member. Approximately 24 Spent Per Year, Elected, No. (Jul 2019 – Jun 2021)
  - The Academic Standards Committee is charged with implementing a systematic evaluation for the curricular components (courses and clerkships) to ensure adherence to the institutional learning objectives and curricular policy; comparability of instruction, assessment, and outcomes; and equivalency in grading.
  
- \*Curriculum Council Clinical Component Committee, IUSM, Committee Member. Approximately 24 Spent Per Year, Appointed, No. (Jul 2019 – Present)
  - The Clinical Component Committee oversees the creation, implementation, and review of clinical science education at IU School of Medicine. The committee focuses on identifying areas of need, reviewing curricular initiatives, and evaluating outcomes. The Clinical Component Committee recommends policy on matters relating to the clinical science curriculum and reports to the Curriculum Council Steering Committee.
  
- Clerkship Scheduling Task Force of the Curriculum Council Steering Committee/Curriculum Council Clinical Component Committee, IUSM, Committee Member. Approximately 16 Spent Per Year, Volunteered, No. (Aug 2019 – Aug 2020)
  
- Core Curriculum Team of the Curriculum Council Clinical Component Committee, IUSM, Committee Member. Approximately 16 Spent Per Year, Volunteered, No. (Sep 2019 – Apr 2020)

\*Curriculum Council Steering Committee, IUSM, Committee Member. Approximately 24 Spent Per Year, Appointed, No. (Mar 2020 – Present)

The Curriculum Council Steering Committee oversees the design of the School's curriculum for medical students. The CCSC identifies strategic curricular directions, ensures that the IU School of Medicine curriculum reflects the broader school education mission and is attentive to national trends in medicine and medical education. The CCSC actively manages the curriculum at all nine campuses to ensure implementation of priority curricular initiatives, a robust statewide curriculum with appropriate attention to curricular gaps and unwanted redundancy, equivalency of the curriculum, and attention to LCME Standards. The CCSC reviews data at specified intervals to monitor and evaluate the curriculum as a whole and make informed decisions to enhance, coordinate and ensure coherence of the educational program.

\*Educational Policy Committee, IUSM, Committee Chair. Approximately 80 Spent Per Year, Appointed, No. (Mar 2020 – Present)

The Elective subcommittee oversees the review and approval of all medical student electives. This subcommittee also reviews special electives, including all international electives, for individual students. Review and revision of the elective catalog is also an ongoing task for this group.

\*Academic Standards Committee, IUSM, Committee Member. Approximately 40 Spent Per Year, Appointed, No. (Jul 2021 – Present)

The Academic Standards Committee is charged with implementing a systematic evaluation for the curricular components (courses and clerkships) to ensure adherence to the institutional learning objectives and curricular policy; comparability of instruction, assessment, and outcomes; and equivalency in grading.

\*Educational Affairs Policy Cabinet, IUSM, Committee Member. Approximately 40 Spent Per Year, Appointed, No. (Apr 2022 – Present)

The Educational Affairs Policy Cabinet collaborates with subject matter experts (policy 'owners'), oversees, reviews, revises, and makes recommendations for undergraduate medical educational affairs policies in accordance with the requirements by the LCME, IU School of Medicine, and Indiana University regulations.

\*OSCE Steering Committee, IUSM, Committee Member. Approximately 30 Spent Per Year, Appointed, No. (Sep 2022 – Present)

\*LCME Self Study Committee: Standard 10, IUSM, Co-Chair. Approximately 60 Spent Per Year, Appointed, No. (Feb 2023 – Present)

## CAMPUS

\*Simulation Center Education Committee, IUSM, IUH, IUSON, Committee Member. Approximately 12 Spent Per Year, Appointed, No. (Sep 2017 – Present)

\*Simulation Alliance for Medical Education, IUSM, IUH, IUSON, Committee Member. Approximately 12 Spent Per Year, Appointed, No. (Oct 2018 – Present)

## UNIVERSITY

Interprofessional Education Task Force, Emory University SOM, SON, Allied Health, Task Force Member. Approximately 20 Spent Per Year, Appointed, No. (Feb 2013 – Feb 2016)

Interprofessional Team Training Committee, Emory University SOM, SON, Allied Health, Committee Member. Approximately 40 Spent Per Year, Appointed, No. (Sep 2013 – Dec 2016)

\*Technology Committee, IUPUI Faculty Council, Committee Member. Approximately 20 Spent Per Year, Appointed, No. (Jul 2020 – Jun 2022)

\*Quality Matters Course Peer Reviewer HE, IU Southeast, Department of Business, BUS-J-401 Administrative Policy, External Consultant. Approximately 30 Spent Per Year, Invited, No. (Jan 2021 – Feb 2021)

\*Quality Matters Course Peer Reviewer HE, IU Southeast, Department of Business, BUS-A 310 Management Decisions and Financial Reporting, External Consultant. Approximately 30 Spent Per Year, Invited, No. (Jun 2021 – Aug 2021)

\*Quality Matters Course Peer Reviewer K-12, Virtual Arkansas, Health Science, 49539V, Medical Procedures Expanded, Subject Matter Expert. Approximately 30 Spent Per Year, Invited, No. (May 2021 – Jul 2022)

## REGIONAL

\*Central Indiana Simulation Alliance for Health Professions Education, Committee Member. Approximately 10 Spent Per Year, Appointed, No. (Oct 2018 – Present)

## NATIONAL

PULSE Planning Committee for Online CME Development, American Society of Anesthesiologists, Committee Member. Approximately 30 Spent Per Year, Appointed, No. (Jun 2016 – Aug 2017)

\*Society for Education in Anesthesia, Annual Meeting Co-Chair. Approximately 80 Spent Per Year, Invited, No. (Apr 2022 – Apr 2023)

\*Clinical Skills Assessment and Standardization (CLASS) Project, Association of American Medical Colleges, Committee Member. Approximately 10 Spent Per Year, Invited, No. (Aug 2023 – Present)

## INTERNATIONAL

International Meeting of Simulation in Healthcare, Professor Moderator, Conference-Related. Approximately 6 Spent Per Year, Invited. (Jan 2020)

\*StatPearls Publishing, Editor-in-chief, online learning management system, Anesthesiologist Assistant. Approximately 10 Spent Per Year, Invited. (Apr 2019 – Present)

\*International Meeting of Simulation in Healthcare, Professor Moderator, Conference-Related. Approximately 6 Spent Per Year, Invited. (Jan 2021)

\*MedBiquitous Business Case/Working Group: Community Action Planning: Data Standards, Leadership/Governance, Vendor Relationships. Working Group Member, Leadership/Governance Subgroup. Approximately 50 Spent Per Year, Invited. (May 2021 – Present)

\*SQUIRE-SIM Reporting Guidelines: Simulation-based extensions to SQUIRE 2.0, Working Group Member. Approximately 20 Spent Per Year, Invited. (Jan 2022 – Present)

\*Medical Education Online: Stress, Anxiety, and Depression Among Medical Students, Guest Advisor, peer-reviewed journal special edition. Approximately 30 Spent Per Year, Invited. (Dec 2022 – Present)

## RESEARCH/CREATIVE ACTIVITY

### GRANTS/FELLOWSHIPS IN RESEARCH

#### ACTIVE FUNDED RESEARCH GRANTS/FELLOWSHIPS

\*Okano D (PI), Cartwright JF (Co-PI), Wood Z (Co-PI), Faas T (Co-PI), Boyer TJ (Mentor), **Mitchell SA** (Mentor). Grant, Research, “Development of a Pressure-sensing Direct Laryngoscopy Intubation Task Trainer with Augmented Reality Feedback,” Department of Anesthesia Innovation and Pilot Grant, Indiana University, IRB #11546, Competitive, Not-for-Profit, United States, \$25,000.00, % Effort: 0.1, Awarded. (May 2021 – Present)

#### SUBMITTED BUT NOT FUNDED RESEARCH GRANTS/FELLOWSHIPS

\*Okano D (PI), Cartwright JF (Co-PI), Boyer TJ (Mentor), **Mitchell SA** (Mentor). Grant, Research, “Direct Laryngoscopy Intubation Training with Real-time Computerized Feedback: Development of a Pressure-sensing Task Trainer,” SEAd Grant, Society for Education in Anesthesia, Competitive, Not-for-Profit, United States, \$10,000.00, % Effort: 0.1, Rejected. (Feb 2021)

\*Okano D (PI), Cartwright JF (Co-PI), Wood Z (Co-PI), Faas T (Co-PI), Boyer TJ (Mentor), **Mitchell SA** (Mentor). Grant, Research, “Development of a Pressure-sensing Direct Laryngoscopy Intubation Task Trainer with Augmented Reality Feedback,” IU Translational Research Grant (TReG), Indiana University Innovation and Commercialization Office, Competitive, Not-for-Profit, United States, \$25,000.00, % Effort: 0.1, Rejected. (May 2021)

\*Cartwright JF (PI). Mentors: **Mitchell SA**, Boyer TJ, Wood Z, Faas T, Okano D. Grant, Research, “Development of a High-fidelity Pressure-sensing Intubation Task Trainer,” IMSH Novice Researcher Grant, Society for Simulation in Healthcare, Competitive, Not-for-Profit, United States, \$10,000.00, % Effort: 0.1, Rejected. (Dec 2021)

\*Emhardt EA (PI), **Mitchell SA** (Co-PI), McCutchan A (Co-PI), Co-Investigators: Connor U, Hume M. Grant, Research, “Psycholinguistics and Postoperative Pain Management: How Does Individualized Patient-Provider Communication Affect Opioid Consumption and Recovery Outcomes?: A Prospective Pilot and Feasibility Study”, IU Health Values Fund Grant Pilot and Feasibility Program: Research, IU Health, Competitive, Not-for-Profit, United States, \$150,000, % Effort: 0.1, Rejected. (May 2022)

#### ACTIVE UNFUNDED RESEARCH PROJECTS

\*McCutchan A (PI), **Mitchell SA** (Co-PI), Co-Investigators: Connor U, Hume M, Sandy R. Research, “CoMac Segmentation and Predictive Power in the Preoperative Setting: A Prospective Pilot and Feasibility Study”, Department of Anesthesia, Indiana University, IRB pending. (Jul 2022 – Present)

## INVITED PRESENTATIONS - RESEARCH

### LOCAL

Cartwright JF, Boyer TJ, Hamilton MC, Ahmed RA, **Mitchell SA**. Research/Creative Activity, Poster, Competitive/Refereed, Prototype Feasibility Testing with Simulation: Improvements and Updates to the Taiwanese "Aerosol Box", Conference, Annual Riley Surgical Research Day, Riley Hospital for Children. (May 2020)

Boyer TJ, **Mitchell SA**, Cartwright JF, Ahmed RA. Research/Creative Activity, Poster, Competitive/Refereed, "Use of High-fidelity Lung Simulators to Test a Ventilator Splitter Device", Conference, Annual Riley Surgical Research Day, Riley Hospital for Children. (May 2020)

\*Cartwright J, Boyer TJ, Hamilton M, Ahmed RA, **Mitchell SA**. Research, Poster, Competitive/Refereed, "Rapid prototype feasibility testing with simulation: Improvements and updates to the Taiwanese "aerosol box", Conference, IUSM Education Day, Indiana University School of Medicine. (Apr 2021)

\***Mitchell SA**, Boyer TJ, Cartwright J, Ahmed RA. Panel Presentation, Competitive/Refereed, "Methodological Assessment of Mechanical and Manual Ventilation Training and Testing", Conference, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare. (Jan 2021) [cancelled]

## SERVICE IN RESEARCH

### SCHOOL/COLLEGE

Research in Medical Education Committee, IUSM, Committee Member. United States. Approximately 6 Spent Per Year, Appointed, No. (Aug 2018 – Present)

Research in Medical Education Committee, IUSM, Faculty Learning Community Lead. United States. Approximately 40 Spent Per Year, Appointed, No. (Aug 2020 – Present)

\*2<sup>nd</sup> Annual IUSM Education Day, IUSM, Reviewer, Research Submissions, United States. Approximately 6 Spent Per Year, Appointed, No. (Jan – Mar 2021)

\*2<sup>nd</sup> Annual IUSM Education Day, IUSM, Professor Moderator, Live Poster Q&A, United States. Approximately 2 Spent Per Year, Appointed, No. (Apr 2021)

\*3<sup>rd</sup> Annual IUSM Education Day, IUSM, Reviewer, Research Submissions, United States. Approximately 6 Spent Per Year, Appointed, No. (Jan – Mar 2022)

\*4<sup>th</sup> Annual IUSM Education Day, IUSM, Reviewer, Research Submissions, United States. Approximately 6 Spent Per Year, Appointed, No. (Jan 2023)

### UNIVERSITY

\*IU Health Values Fund for Education, IU Health, Reviewer, Grant Proposal, United States. Approximately 8 Spent Per Year, Appointed, No. (Jan – Mar 2021)

\*IU Health Values Fund for Education, IU Health, Reviewer, Grant Proposal, United States. Approximately 8 Spent Per Year, Appointed, No. (Jan – Mar 2022)

\*IU Health Values Fund for Education, IU Health, Reviewer, Grant Proposal, United States. Approximately 8 Spent Per Year, Appointed, No. (Jan – Mar 2023)

## REGIONAL

\*Central Group on Education Affairs Grant Review Committee, Association of American Medical Colleges, Reviewer, Grant Proposal, United States. Approximately 6 Spent Per Year, Appointed, No. (Feb 2023)

## NATIONAL

\*Group on Education Affairs Grant Review Committee, Association of American Medical Colleges, Reviewer, Grant Proposal, United States. Approximately 6 Spent Per Year, Appointed, No. (Mar 2023)

## INTERNATIONAL

Society for Simulation in Healthcare, Reviewer, Grant Proposal, United States. Approximately 4 Spent Per Year, Appointed, No. (Nov 2017)

Society for Simulation in Healthcare, Reviewer, Grant Proposal, United States. Approximately 4 Spent Per Year, Appointed, No. (Nov 2018)

Society for Simulation in Healthcare, Research Committee, Reviewer, Conference Paper, United States. Approximately 4 Spent Per Year, Appointed, No. (Nov 2018)

Society for Simulation in Healthcare, Reviewer, Grant Proposal, United States. Approximately 4 Spent Per Year, Appointed, No. (Nov 2019)

Society for Simulation in Healthcare, Research Committee, Reviewer, Conference Paper, United States. Approximately 4 Spent Per Year, Appointed, No. (Nov 2019)

\*Society for Simulation in Healthcare, Reviewer, Grant Proposal, United States. Approximately 4 Spent Per Year, Appointed, No. (Nov 2020)

\*Society for Simulation in Healthcare, Section in Anesthesia Interest Group, Research Committee, Lead Reviewer, Conference Abstracts: Innovation in Anesthesia Simulation, United States. Approximately 12 Spent Per Year, Elected, No. (Mar 2021 – Jul 2021)

# SERVICE

## UNIVERSITY SERVICE

### DEPARTMENT

\*Interviewer of Advanced Practice Providers for IUHP/IUSM Dual-Employment, Department of Anesthesia. Approximately 80 Spent Per Year, Appointed, No. (Jan 2017 – Present)

Program Director Search Committee, Residency in Anesthesiology Program, Committee Member. Approximately 6 Spent Per Year, Appointed, No. (Apr 2018 – May 2018)

\*Interviewer of Administrative Staff and Education Specialists, Department of Anesthesia. Approximately 10 Spent Per Year, Appointed, No. (Oct 2019 – Present)

Medical Director Search Committee, Master of Science in Anesthesia Program, Committee Member. Approximately 4 Spent Per Year, Appointed, No. (Feb 2020 – Mar 2020)

\*Interviewer of Department Chair/Service Line Leader Candidates, Department of Anesthesia. Approximately 10 Spent Per Year, Appointed, No. (Jul 2020 – Nov 2020)

\*Diversity, Equity, Inclusion, and Justice Task Force, Department of Anesthesia, Committee Member. Approximately 10 Spent Per Year, Appointed, No. (Aug 2021 – Oct 2021)

\*Clerkship Director Search Committee, Department of Anesthesia, Program Manager and Committee Member. Approximately 8 Spent Per Year, Appointed, No. (Oct 2021 – Dec 2021)

\*Vice Chair of Pediatric Anesthesia/Service Line Leader Search Committee, Program Manager and Committee Member, Department of Anesthesia. Approximately 20 Spent Per Year, Appointed, No. (Jul 2022 – Aug 2023)

\*Medical Director of Simulation Search Committee, Department of Anesthesia, Program Manager and Committee Member. Approximately 8 Spent Per Year, Appointed, No. (Oct 2023 – Present)

## CAMPUS

\*Academic Health Center Space Planning Team, Education Committee, IUSM, IUH, Committee Member. Approximately 20 Spent Per Year, Appointed, No. (Oct 2017 – Present)

## UNIVERSITY

\*Medical Professions Alumni Council, Hanover College, Committee Member and Representative to Alumni Leadership Council. Approximately 12 Spent Per Year, Appointed, No. (Mar 2018 – Present)

Alumni Leadership Council, Hanover College, Committee Member. Approximately 24 Spent Per Year, Elected, No. (Oct 2018 – Jun 2020)

Alumni Awards Selection Committee, Hanover College, Committee Member. Approximately 10 Spent Per Year, Elected, No. (Aug 2019 – May 2020)

\*Alumni Leadership Council, Hanover College, First Vice President. Approximately 50 Spent Per Year, Elected, No. (Jun 2020 – Jun 2021)

\*Alumni Awards Selection Committee, Hanover College, Committee Chair. Approximately 18 Spent Per Year, Appointed, No. (Nov 2020 – May 2021)

\*Alumni Leadership Council, Hanover College, President and Representative to Board of Trustees. Approximately 100 Spent Per Year, Elected, No. (Jun 2021 – Jun 2022)

\*Alumni Leadership Council, Hanover College, Immediate Past President. Approximately 50 Spent Per Year, Elected, No. (Jun 2022 – Jun 2023)

## PROFESSIONAL SERVICE

### STATE

Georgia Academy of Anesthesiologist Assistants, Board of Directors. Approximately 16 Spent Per Year, Elected, No. (Feb 2015 – Feb 2016)

Georgia Academy of Anesthesiologist Assistants, Committee Chair, Membership. Approximately 24 Spent Per Year, Appointed, No. (Jul 2015 – Jul 2016)

\*Indiana Academy of Anesthesiologist Assistants, Officer, Vice President. Approximately 10 Spent Per Year, Elected, No. (Apr 2019 – Sep 2021)

\*Indiana Academy of Anesthesiologist Assistants, Fellow. Approximately 5 Spent Per Year, Appointed, No. (Sep 2021 – Present)

\*Junior Achievement of Central Indiana, JA Job Spark, IU Health Volunteer. Approximately 25 Spent Per Year, Appointed, No. (Sep 2022)

## NATIONAL

American Academy of Anesthesiologist Assistants, Committee Member, National Affairs. Approximately 10 Spent Per Year, Appointed, No. (Apr 2012 – Apr 2013)

American Academy of Anesthesiologist Assistants, Task Force Chair, Employment Task Force. Approximately 30 Spent Per Year, Elected, No. (Apr 2012 – Apr 2013)

American Academy of Anesthesiologist Assistants, Committee Member, Practice. Approximately 10 Spent Per Year, Appointed, No. (Apr 2013 – Apr 2014)

American Academy of Anesthesiologist Assistants, Committee Member, Education. Approximately 10 Spent Per Year, Appointed, No. (Apr 2013 – Apr 2014)

American Academy of Anesthesiologist Assistants, Committee Member, Governance. Approximately 10 Spent Per Year, Appointed, No. (Apr 2014 – Apr 2015)

American Academy of Anesthesiologist Assistants, Committee Member, Nominations and Elections. Approximately 10 Spent Per Year, Appointed, No. (Apr 2014 – Apr 2015)

American Academy of Anesthesiologist Assistants, Committee Member, Membership. Approximately 10 Spent Per Year, Appointed, No. (Apr 2015 – Apr 2017)

\*American Academy of Anesthesiologist Assistants, Committee Member, Centers for Medicare and Medicaid. Approximately 30 Spent Per Year, Appointed, No. (Jun 2016 – Aug 2017)

\*Society for Education in Anesthesia, Committee Member, Medical Student Education. Approximately 10 Spent Per Year, Appointed, No. (Apr 2017 – Present)

\*Society for Education in Anesthesia, Committee Member, Simulation. Approximately 10 Spent Per Year, Appointed, No. (Apr 2017 – Present)

\*Society for Education in Anesthesia, Committee Member, Educational Meetings. Approximately 20 Spent Per Year, Appointed, No. (Nov 2022 – Present)

\*Society for Education in Anesthesia, Committee Member, Research. Approximately 40 Spent Per Year, Appointed, No. (Apr 2023 – Present)

## INTERNATIONAL

- \*Society for Simulation in Healthcare, Member, Interprofessional Education Affinity Group. Approximately 4 Spent Per Year. (Jan 2018 – Present)
- \*Society for Simulation in Healthcare, Member, Perioperative Interest Group. Approximately 8 Spent Per Year. (Jan 2018 – Present)
- \*Society for Simulation in Healthcare, Member, Section in Anesthesia Interest Group. Approximately 12 Spent Per Year. (Jan 2018 – Present)
- \*Society for Simulation in Healthcare, Reviewer, Journal Article. Approximately 8 Spent Per Year, Appointed, No. (Aug 2018 – Present)
- \*StatPearls, Reviewer, Journal Article. Approximately 10 Spent Per Year, Appointed, No. (Apr 2019 – Present)
- \*Cureus, Reviewer, Journal Article. Approximately 4 Spent Per Year, Appointed, No. (May 2019 – Present)
- \*Journal of Education in Perioperative Medicine, Reviewer, Journal Article. Approximately 12 Spent Per Year, Appointed, No. (Jun 2019 – Present)
- \*Medical Education, Reviewer, Journal Article. Approximately 4 Spent Per Year, Appointed, No. (Apr 2021 – Present)
- \*Academic Medicine, Reviewer, Journal Article. Approximately 4 Spent Per Year, Appointed, No. (Jul 2023 – Present)

## **PATIENT CARE/CLINICAL SERVICE**

### **CLINICAL SERVICE**

- Practice anesthesiology as a Certified Anesthesiologist Assistant (CAA)
- Work as part of the anesthesia care team under the medical direction of licensed physician anesthesiologists
- Administer anesthesia and provide advanced physiological monitoring to patients undergoing surgical, medical, and obstetrical procedures
- Provide clinical instruction to all learners in the department of anesthesiology: Anesthesiologist Assistant Students, Physician Assistant Students and Interns, Advanced Nurse Practitioner Interns, Medical Students, Anesthesiology Residents, Emergency Medicine Residents, Oral and Maxillofacial Surgery Resident

## **PUBLICATIONS**

### **TEACHING**

#### **REFEREED**

##### **Abstract**

Maniker R, Woodworth G, Marty A, Tanaka PP, Ambardekar A, Chen F, Fromer I, Hallman MR, Klesius L, Ladlie B, McGrath B, Juve AM, **Mitchell SA**, Sims CR, Van Cleve WC, Spofford C. Defining entrustable professional activities for United States anesthesiology residency training. In: Abstracts of International Anesthesia Research Society & Society of Critical Care

Anesthesiologists 2020 Annual Meetings. *A&A*. 2020;130(5S):304-306.  
<https://journals.lww.com/anesthesia-analgesia/toc/2020/05002>

- \*Boyer TJ, **Mitchell SA**. Robust scholarly activity from a new online elective in anesthesia medical education research: a response to the UME call for virtual learning opportunities during Covid-19 pandemic. In: Abstracts of International Anesthesia Research Society & Society of Critical Care Anesthesiologists 2021 Annual Meetings. *A&A*. 2021;132(5S):445-446. <https://journals.lww.com/anesthesia-analgesia/toc/2021/05001>
- \*Boyer TJ, Cartwright JF, **Mitchell SA**. Smile for the trail cam: capturing just in time training cart usage at three hospitals: a case report of user adoption of a new educational intervention. In: Abstracts of International Anesthesia Research Society & Society of Critical Care Anesthesiologists 2021 Annual Meetings. *A&A*. 2021;132(5S):1042-1043. <https://journals.lww.com/anesthesia-analgesia/toc/2021/05001>
- \*Boyer TJ, Cartwright JF, Germeroth D, **Mitchell SA**. A sim ops guide to setting up pediatric anesthesia oscillator training simulations. In: Abstracts of International Anesthesia Research Society & Society of Critical Care Anesthesiologists 2022 Annual Meetings. *A&A*. 2022;134(5S):1157-1159. <https://journals.lww.com/anesthesia-analgesia/toc/2022/05001#-333718674>
- \*Boyer TJ, **Mitchell SA**, Cartwright JF, Okano D. Interprofessional anesthesia simulation: education of resident physicians and student anesthesiologists. In: Abstracts of International Anesthesia Research Society & Society of Critical Care Anesthesiologists 2022 Annual Meetings. *A&A*. 2022;134(5S): 427-428. <https://journals.lww.com/anesthesia-analgesia/toc/2022/05001#-333718674>
- \*Mahoney M, Maniker R, Woodworth G, Hallman MR, Klesius L, **Mitchell SA**, McGrath B, Spofford C. Pilot Implementation of entrustable professional activities in seven United States anesthesiology residency training programs. In: Abstracts of International Anesthesia Research Society & Society of Critical Care Anesthesiologists 2022 Annual Meetings. *A&A*. 2022;134(5S): 404-407. <https://journals.lww.com/anesthesia-analgesia/toc/2022/05001#-333718674>

### Book Chapter

- Mitchell SA** (Author), Boyer TJ (Editor). Deliberate Practice in Medical Simulation. *StatPearls*. Treasure Island, FL: StatPearls Publishing. 2020. PMID:32119445
- Boyer TJ (Author), **Mitchell SA** (Editor). Utilization of Embedded Simulation Personnel in Medical Simulation. *StatPearls*. Treasure Island, FL: StatPearls Publishing. 2020. PMID:32965965
- \*Boyer TJ, Ye J, Ford MA, **Mitchell SA**. Modernizing Education of the Pediatric Anesthesiologist. *Anesthesiology Clin*. Elsevier. 2020;38(3):545-58. PMID:32792183

### Doctoral Dissertation

- Mitchell SA**. *Instructional Design, Implementation Strategies, and Evaluation of ANES 525 Applied Anatomy for Anesthesia Practice: Transformation of a Dissection-Based Basic Science Course into a Technology and Clinically Based Anatomy Course for Anesthesiologist Assistant Students*. Baltimore, MD: Johns Hopkins University. 2016.  
<http://jhirlibrary.jhu.edu/handle/1774.2/39743>

### Journal Article

- Webb TT, Boyer TJ, **Mitchell SA**, Eddy CS. Intraoperative sepsis: a simulation case for anesthesiology residents. *MedEdPORTAL*. 2020;16:10886. PMID:32206702
- \*Woodworth GE, Marty AP, Tanaka PP, Ambardekar AP, Chen F, Duncan MJ, Fromer IR, Hallman MR, Klesius LL, Ladlie BL, **Mitchell SA**, Miller Juve AK, McGrath BJ, Shepler JA, Sims C, Spofford CM, Van Cleve W, Maniker RB. Development and Pilot Testing of Entrustable Professional Activities for US Anesthesiology Residency Training. *Anesth Analg*. 2021;132(6):1579-1591. PMID:33661789
- \*Davis BP, Dragon C, Kim J, Weston J, **Mitchell SA**, Luthra M, Stoddard HA, Ander DS. SBAR-LA: SBAR brief assessment rubric for learner assessment. *MedEdPORTAL*. 2021;17:11184. PMID:34746375 [Winner: Editor's Choice Award 2021]
- \*Haskett LA, Doster DL, Athanasiadis DI, Anton NE, Huffman EK, Wallach P, Walvoord E, Stefanidis D, **Mitchell SA**, Lee NK. Resilience matters: student perceptions of the impact of COVID-19 on medical education. *Am J Surg*. 2022;224(1 Pt B):358-362. PMID:35123769
- \*Ahmed RA, Cooper D, Mays CL, Weidman CM, Poore JA, Bona AM, Falvo LE, Moore MJ, **Mitchell SA**, Boyer TJ, Atkinson SS, Cartwright JR. Development of a simulation technical competence curriculum for medical simulation fellows. *Adv Simul*. 2022;7(1):24. PMID:35945638
- \*Eddy C, Webb TT, Daly C, Sturm J, **Mitchell SA**, Boyer TJ. Intra-operative ARDS: a simulation case for anesthesia residents. *MedEdPORTAL*. Submitted 2022 Jul 31, MEP-2022-0310, decision pending.
- \*Bhatia MB, Namazi N, Matthews J, Thomas C, Doster D, Martinez CJ, Collings A, **Mitchell SA**, Stefanidis D, Sankaranarayanan G, Saruni SI, Hunter-Squires J. Use of artificial intelligence to support surgical education personnel shortages in low- and middle-income countries: developing a safer surgeon. *Global Surgical Education - Journal of the Association for Surgical Education*. Submitted 2022 Oct 4, decision pending.
- \*Okano DR, Chen AW, **Mitchell SA**, Cartwright JF, Moore C, Boyer TJ. Intraoperative tension pneumothorax in a trauma patient: an adult simulation case for anesthesia residents. *Healthcare*. 2022;10(9):1787. PMID:36141399
- \*Okano DR, Perez-Toledo JA, **Mitchell SA**, Cartwright JF, Moore C, Boyer TJ. Intraoperative accidental extubation during thyroidectomy in a known difficult airway patient: an adult simulation case for anesthesia residents. *Healthcare*. 2022;10(10):2013. PMID:36292458
- \*Bajwa M, Ahmed R, Lababidi H, et al. Byline Author **Mitchell SA**. Development of distance simulation educator guidelines in healthcare: a delphi method application. *Simul Healthc*. 2023;10.1097. PMID:36598821
- \*Davis BP, **Mitchell SA**, Weston J, Dragon C, Luthra M, Kim J, Stoddard HA, Ander DS. Situation, background, assessment, recommendation (SBAR) education for healthcare students: assessment of a training program. *MedEdPORTAL*. 2023;19:11293. PMID:36655140
- \*Woodworth GE, Goldstein ZT, Ambardekar AP, Arthur ME, Bailey C, Booth GJ, Carney PA, Duncan MJ, Fromer IR, Hallman MR, Hoang T, Issak R, Klesius LL, Ladlie BL, **Mitchell SA**, Miller Juve AK, Mitchell JD, McGrath BJ, Shepler JA, Simms III CR, Spofford CM, Tanaka PP, Maniker RB. Development and pilot testing of a programmatic system for competency assessment in united states anesthesiology residency training [accepted pending publication June 2023], *Anesth Analg*.

\***Mitchell SA**, Blanchard E, Curran V, Hoadley T, Donoghue A, Lockey A. Effects of simulation fidelity on healthcare providers on team training: a systematic review [accepted pending publication October 2023]. *Simul Healthc*.

### Panel/Commission Report

**Mitchell SA**, Cox LM. Panel/Commission Report, Teaching, State, Peer-reviewed/Refereed, Invited, "Common Clerkship Evaluation Form". (April 2017 - May 2017).  
Co-author for design, development, and implementation of an evidence-based education intervention/instrument for formative (mid-rotation feedback) and summative (end-rotation) clinical performance and professional behavior assessment. Utilized by eleven required clerkships at IUSM. Peer-reviewed and approved by the IUSM CCSC, CCC, and CWG.

### Teaching Pamphlet/Cognitive Aid/Video

Woodward DJ, **Mitchell SA**, Dunlap J. Teaching Pamphlet/Cognitive Aid, Teaching, Local, Peer-reviewed/Refereed, "Peds Anesthesia Pocket Reference". (June 2020).

Co-designer and co-editor for layout, typography, content to include/exclude, proofread for errors. This pocket reference card is utilized as a cognitive aid by pediatric anesthesiology trainees, students, and physicians for routine and emergency protocols, drug dosing, fluid and blood therapy, airway management equipment use, and frequently called phone numbers at Riley Hospital for Children.

\*Haskett LA, Cartwright, JF, Ahmed RA, Doos D, **Mitchell SA**, Hernandez E, Stanton-Maxey, K. Teaching Video, Teaching, National, Peer-reviewed/Refereed, "Interprofessional Simulation – Pediatric Burn Trauma Scenario", Annual IPE Simulation Video Competition, Association for Surgical Education, 2021.

First Place, Association for Surgical Education 1st Annual Interprofessional Education Simulation Competition. The ASE Simulation Committee will implement a video-based competition of team-based Inter-Professional Education (IPE). Multidisciplinary teams from different institutions will complete our standardized and scripted IPE scenario at their simulation centers and submit video footage of the simulation. Teams will consist of a minimum of two general surgeons, one nurse, and one emergency medicine doctor or **anesthesiologist**, with the option of adding more individuals from any discipline at their discretion. The video footage will then be objectively scored based on the inter-professional teams' non-technical skill set by a review panel who has achieved consistent interrater reliability. NOTECH II, NOTSS, and OTAS will be used as the objective metrics for scoring.

\*Woodward DJ, Boyer TJ, Dunlap J, **Mitchell SA**. Teaching Pamphlet/Cognitive Aid, Teaching, Local, Peer-reviewed/Refereed, "Peds Anesthesia Pocket Reference, 2<sup>nd</sup> ed". (Sep 2022).

\*Woodward DJ, Boyer TJ, Dunlap J, **Mitchell SA**. Teaching Pamphlet/Cognitive Aid, Teaching, Local, Peer-reviewed/Refereed, "Peds Anesthesia Pocket Reference, 3<sup>rd</sup> ed". (Jul 2023).

### NON-REFEREED

#### Book

Hall JR (Editor), Amerson LP, Biggs BD, Brouillard RG, Eissa SH, Laing JR, Lewis MH, **Mitchell SA**, Monroe KS, Mury GM, Stever JM, Stewart ST (Contributors). *Clinical Anesthesia Workbook*. Master of Medical Science in Anesthesiology, Emory University; 2014.

The work is an introductory guidebook for student anesthesiologist assistants to use throughout the 28-month education program. An anesthesiologist assistant must be knowledgeable and skilled in many areas in order to be a safe, efficient, cost-

effective practitioner. The Clinical Anesthesia Workbook has been designed to provide each student with guidance and opportunities to attain requisite knowledge, skills, and efficiency. The clinical task progression series, which is part of this workbook, is designed to bring students up to speed safely and efficiently on those clinical activities for which they will be expected to be safe and proficient when they enter the clinical arena full time.

**Mitchell SA**, Mury GM, Brouillard RG, eds. *The Guide to the OR*. Master of Medical Science in Anesthesiology, Emory University; 2015.

The work is a basic, introductory, clinical guidebook for anesthesiology residents, medical students on clerkships and electives, student anesthesiologist assistants, and student nurse anesthetists. Subject matter experts from within the Emory University Department of Anesthesiology and Perioperative Medicine compiled updates and edits with permission from the original authors. Dutton RP, Goldstein A. *The Anesthesiologists Guide to the OR: Prepped*. Little Brown. 1995.

**\*Mitchell SA**, Hein M, Dunlap J, eds. *The Pediatric Anesthesia Manual*. 2nd ed. Pressbooks, Indiana University. [in press]

The work is a clinical guidebook for residents, fellows, students, and new hires. The first edition was authored and edited by Tom Wolfe. Subject matter experts from within the IUSM Department of Anesthesia at Riley Hospital for Children IU Health compiled updates for protocols, made edits of current best-practice, added new procedures, drugs, dosing guidelines, and removed antiquated procedures, practices, and drugs.

### Policy Development/Revision

**Mitchell SA**. (Committee Chair, Co-Author, Senior Editor), multiple IUSM colleagues (Co-Author, Co-Editor, Subject Matter Expert). Policy Revision, Service, State, Internally reviewed/approved by IUSM Curriculum Council Steering Committee and Educational Policy Cabinet, (Mar 2020 – Present)

- Medical Education Disaster Response with Addendum A: Summary of Modifications to the Curriculum and Suspension of Conflicting Education Policies in Response to COVID-19 Pandemic, March 17, 2020 – June 30, 2021
- Academic Misconduct
- Class Visitors
- Resident Contact in Clinical Education
- Clerkship Inpatient and Outpatient Clinical Experiences
- Student Clinical and Educational Work Hours
- Campus Transfer in Phase 1
- Time Away
- Leave of Absence
- Guidelines for Promotion, Suspension, Dismissal, and Withdrawal
- Required Clinical Experiences
- Requirements to Graduate
- Supervision and Scope of Practice
- Grade Policy for Courses in Phase 1
- Grade Policy for Courses, Clerkships, and Electives in Phases 2 and 3
- Formative Feedback
- Guidelines for Promotion, Suspension, Dismissal, and Withdrawal
- Medical Student Information Privacy
- Non-Involvement of Healthcare Providers in Student Assessment
- USMLE Exam Requirements Policy
- Tuition Adjustment
- Tuition and Fees Refund
- Computer Requirements

- Visiting Student Enrollment in Elective Courses
- Timeliness of Grades
- Transportation
- Grade Appeal and MSPE
- Malpractice and Liability Insurance
- Technical Standards for Admission and Ongoing Matriculation
- Exposure to Infectious Disease and Hazardous Materials

### Teaching/Performance Evaluations

**Mitchell SA.** Didactic Teaching Evaluation, Teaching, Local, "Teaching Evaluation for Resident Didactic Sessions and Anesthesia Grand Rounds Presentations". (Jul 2018)

**Mitchell SA.** Clinical Performance Evaluation, Teaching, Local, "Clinical Performance Evaluation for Department of Anesthesia: Physician Evaluation of Advanced Practice Provider". (Oct 2018)

**Mitchell SA.** Clinical Performance Evaluation, Teaching, Local, "Clinical Performance Evaluation for Department of Anesthesia: Advanced Practice Provider Evaluation of Physician". (Oct 2018)

**Mitchell SA,** Block E. Clinical Performance Evaluation, Teaching, Local, "Clinical Performance Evaluation for Riley Hospital Department of Anesthesia: Physician and Advanced Practice Provider Evaluation of New Hire Advanced Practice Provider". (May 2019)

**Mitchell SA.** Qualtrics Survey, Teaching, Local, "Digital Attendance Sign-In for Triggered Delivery of Teaching Evaluation". (Oct 2019)

\***Mitchell SA.** Peer Review, Clinical Teaching, Local, "Michael Sim, MD, ENT Surgery, IUSM, IUH University Hospital", (Jan 2021)

\***Mitchell SA.** Peer Review, Clinical Teaching, Local, "Saria Butt, MD, Infectious Disease, IUSM, IUH Methodist Hospital", (Feb 2021)

\***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Sandra Prucka, MS, LCGC, IUSM, Daly Center", (Feb 2021)

\***Mitchell SA.** Peer Review, Simulation Teaching, Local, "Tanna Boyer, DO, MS, IUSM, IUH Fairbanks Simulation Center", (Jun 2021)

\***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Colin Huang, PhD, IUSM, Asynchronous Virtual", (Aug 2021)

\***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Andrea Conroy, PhD, IUSM, Asynchronous Virtual", (Sep 2021)

\***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Tuan Tran, MD, PhD, IUSM, Synchronous Virtual", (Feb 2022)

\***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Phillip Wong, DMD, IU Dental School", (Feb 2022)

\***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Clint Bahler, MD, IUSM, IUH University Hospital", (May 2022)

- \***Mitchell SA.** Peer Review, Simulation Teaching, Local, "Senthil Packiasabapathy, MD, IUSM, IUH University Hospital", (Jan 2023)
- \***Mitchell SA.** Peer Review, Clinical Teaching, Local, "William A C Berry, MD, IUSM, IUH University Hospital", (Feb 2023)
- \***Mitchell SA.** Peer Review, Clinical Teaching, Local, "Abhishek Khemka, MD, IUSM, Eskenazi Hospital", (Feb 2023)
- \***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Kathleen (Kathy) Eggleston, PhD, IUSM, Hine Hall", (Apr 2023)
- \***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Atul Agarwal, MD, IUSM, Asynchronous Virtual", (Apr 2023)
- \***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Julie Dunlap, MD, IUSM, Asynchronous Virtual", (Jun 2023)
- \***Mitchell SA.** Peer Review, Didactic Teaching, Local, "Thomas C Whitt MD, IUSM, Asynchronous Virtual", (Jun 2023)

## RESEARCH/CREATIVE ACTIVITY

### REFEREED

#### Journal Article

- Boyer TJ, **Mitchell SA**, Cartwright JF, Ahmed RA. Innovative use of high-fidelity lung simulators to test a ventilator splitter device. *A&A Practice*. 2020;14(8):e01253. PMID:32496430
- Cartwright J, Boyer TJ, Hamilton MC, Ahmed RA, **Mitchell SA**. Rapid prototype feasibility testing with simulation: improvements and updates to the Taiwanese "aerosol box". *J Clin Anesth*. 2020;66:109950. PMID:32505688