

**Alan H. Kim, MD**  
**Medical Record Review and Standards-of-Care**  
**Consultant**

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### **Professional Summary**

Board-certified anesthesiologist with more than thirteen years of independent clinical practice experience spanning academic medical centers, community hospitals, ambulatory surgery centers, and obstetric anesthesia services. Former Assistant Professor of Anesthesiology at Georgetown University School of Medicine, Director of Anesthesia Simulation Training (SiTEL), and Director of Georgetown's ABA-accredited MOCA Simulation Program. Extensive experience in physician education, competency assessment, crisis resource management, patient safety initiatives, quality improvement, adverse-event review, simulation-based education, healthcare workflow design, and perioperative clinical practice.

### **Consulting Focus Areas**

Medical Record Review; Standards-of-Care Analysis; Patient Safety; Physician Competency Assessment; Crisis Resource Management; Airway Management; Obstetric Anesthesia; Regional Anesthesia; Moderate Sedation; Ambulatory Anesthesia; Perioperative Medicine; Healthcare Workflow and Systems Analysis.

### **Board Certification and Licensure**

American Board of Anesthesiology – Board Certified; Maintenance of Certification in Anesthesiology (MOCA) Current; Active Medical Licensure: Maryland and District of Columbia; Previously Licensed: Virginia.

### **Education and Training**

BS Biology, Johns Hopkins University (2003)  
MHS Biochemistry, Johns Hopkins Bloomberg School of Public Health (2004)  
MD, Georgetown University School of Medicine (2009)  
Preliminary Medicine Internship, University of Maryland Medical Center (2010)  
Anesthesiology Residency, Georgetown University Hospital (2013)

### **Academic Appointments**

Assistant Professor of Anesthesiology, Georgetown University School of Medicine (September 2013 – January 2026)  
Director of Anesthesia Simulation Training (SiTEL), MedStar Georgetown University Hospital (2013–2026)  
Director, ABA Maintenance of Certification in Anesthesiology (MOCA) Simulation Program (approximately 2016–2026)

## **Current Clinical Practice**

Associate Anesthesiologist, Anesthesia Company LLC (January 2026–Present). Clinical practice includes Luminis Health Anne Arundel Medical Center, Luminis Health Doctors Community Medical Center, and multiple ambulatory surgery centers.

## **Clinical Practice Experience**

More than thirteen years of independent anesthesiology practice. Experience spans academic tertiary-care medicine, community hospital practice, ambulatory surgery centers, direct-care models, and anesthesia care team supervision models. Extensive exposure to neurosurgery, spine surgery, intracranial tumor surgery, orthopedics, ENT, plastics, gynecology, general surgery, kidney transplantation, obstetric anesthesia, emergency airway management, ICU airway management, perioperative emergencies, and crisis management. Current practice includes high-volume obstetric anesthesia and increased regional anesthesia exposure.

## **Simulation Program Development**

Founded and developed Georgetown's anesthesia simulation program from an initially undeveloped platform. Created educational curricula for medical students, residents, attending physicians, and multidisciplinary healthcare teams. Designed, tested, refined, and implemented simulation scenarios spanning routine perioperative care, crisis management, and rare high-acuity events.

## **MOCA Program Development and Accreditation**

Developed Georgetown's simulation infrastructure, educational framework, faculty training processes, and assessment methodologies required for ABA MOCA accreditation. Participated in successful establishment of Georgetown as an ABA-approved MOCA simulation site. Directed simulation-based continuing education for practicing board-certified anesthesiologists.

## **Crisis Resource Management and Physician Competency Assessment**

Developed and directed simulation-based educational experiences focused on crisis resource management, teamwork, communication, leadership, situational awareness, resource utilization, decision-making under stress, error recognition, and patient safety. Designed scenarios challenging experienced attending physicians through environmental stressors, communication barriers, workflow disruptions, and evolving clinical crises. Facilitated structured debriefings utilizing Plus-Delta methodologies.

## **Resident Education and Mentorship**

Served as both formal and informal faculty mentor to anesthesiology residents. Functioned as a primary source of non-operating-room education through recurring monthly educational programs and ad hoc teaching. Developed and directed resident boot camps, authored original educational content, and facilitated transition-to-practice training for incoming anesthesiology residents.

## **Moderate Sedation Program Development**

Co-developed a multidisciplinary moderate sedation training program from inception for non-anesthesia physician providers. Designed simulation-based and workshop-based educational experiences for cardiology, gastroenterology, and interventional radiology attendings focused on

sedation pharmacology, airway rescue, respiratory physiology, patient monitoring, complication recognition, and escalation pathways.

## **Airway Management Education**

Developed and taught airway curricula for medical students, residents, attending physicians, and multidisciplinary teams. Instruction included direct laryngoscopy, video laryngoscopy, flexible bronchoscopy, awake bronchoscopic intubation, difficult airway management, prone intubation, digital blind intubation, and cricothyrotomy. Developed original simulation models for airway skill acquisition.

## **Regional Anesthesia and Ultrasound Education**

Contributed to development of a regional anesthesia guidebook. Taught ultrasound-guided regional anesthesia, difficult IV access, vascular access, ultrasound fundamentals, and procedural skills utilizing simulation and phantom models.

## **Patient Safety and Regulatory Preparedness**

Developed and implemented malignant hyperthermia preparedness simulations supporting regulatory readiness and institutional patient safety initiatives. Conducted interdisciplinary OR fire simulations and emergency response drills. Participated in obstetric emergency simulations involving anesthesia, obstetric, nursing, and multidisciplinary teams.

## **COVID-19 Response and Operational Workflow Development**

Co-developed institutional PPE protocols and COVID airway management procedures. Designed and delivered multidisciplinary training programs focused on PPE donning/doffing, emergency intubation workflows, aerosol-generating procedures, and exposure reduction strategies. Developed simulation exercises, educational videos, and workflow redesign initiatives involving operating rooms, ICUs, and inpatient units. Assisted in implementation across multiple clinical departments.

## **Quality Improvement and Adverse Event Review**

Performed detailed review of approximately 200 unexpected postoperative ICU admissions at the request of departmental leadership. Evaluated perioperative management, standards of care, communication failures, workflow issues, institutional vulnerabilities, and human factors. Developed recommendations regarding quality improvement, patient safety enhancement, and systems optimization.

## **Educational Innovation and Low-Cost Simulator Development**

Developed low-cost procedural simulation trainers due to limited institutional resources. Created models for spinal anesthesia, epidural anesthesia, combined spinal-epidural procedures, epidural complication management, ultrasound-guided vascular access, difficult IV access, bronchoscopy, and difficult airway management. Developed the 'Lesson in a Box' concept to facilitate asynchronous resident procedural education. Explored early-stage applications of augmented reality, virtual reality, and artificial intelligence technologies in medical education and patient safety.

## **Publications**

Suspected Sugammadex Hypersensitivity Following Repeated Administration. Case Reports in Anesthesiology, 2021.

Interobserver Variability in Photograph Grading. Strabismus Q. 2005.

Duty, Honor, Country, and Amblyopia. J AAPOS. 2005.

## **Textbook Contributions**

Contributing author, Anesthesiology Core Review (McGraw-Hill Education, 2014 and 2016 editions). Authored chapters including sedation guidelines for non-anesthesia providers, aspiration pneumonia, transfusion complications, endocrine physiology, hypopituitarism, hyperpituitarism, pheochromocytoma, peripheral nerve blocks of the head and neck, coagulation monitors, and related topics.

## **Selected Presentations**

Simulation Enhances Anesthesia Trainee Orientation – Society for Education in Anesthesia.

Multiple echocardiography and perioperative research presentations at national meetings.

Tutorial to Interpret Ultrasound Images of Regional Blocks – Jesuit Schools of Medicine Conference.

Critical Care Airway Lectures and Workshops.

Cardiothoracic Point-of-Care Ultrasound Workshop.

Moderate Sedation Educational Programs and Simulation Presentations.

## **Professional Memberships**

American Society of Anesthesiologists (ASA).