Carlos Akio

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CERTIFIED REGISTERED NURSE ANESTHETIST

Results-oriented professional with career-long record of healthcare operations, team leadership, and clinical management success for leading organizations

Proven talent for aligning healthcare strategy and objectives with established anesthesia management and application to achieve maximum patient impacts with minimum resource expenditures. Expertise spans clinical operations, healthcare operations, program management, strategy development, cross-functional team leadership, anesthesia administration, operational management, patient care, nursing practices and procedures, data analysis, management development, emergency medicine, cross-functional team collaboration, operations optimization, educational programming, technology solutions, and project management. Exceptionally dedicated professional with keen interpersonal, communication, and organizational skills.

- Perioperative assessment
- Post-op evaluation
- Clinical improvement initiatives
- General, Regional, and Neuraxial Anesthesia

CORE COMPETENCIES:

- Airway management
- Level 1 Trauma ICU Critical Care Management
- · Electronic medical record
- Direct Patient Care Neonate-Geriatric Populations
- SRNA education / evaluation
- Pain management
- ALS Emergency Medical Services
- Electronic medical record

PROFESSIONAL EXPERIENCE

Harvard Medical Associates, Harvard Vanguard Medical Associates, Boston, MA, June 2017 - Present **ASSISTANT SRNA PROGRAM DIRECTOR**

- Direct the development, implementation, and growth of the SRNA educational program.
- Spearheaded innovative simulation laboratory instruction for both anesthesia skills training, ACLS, and crisis resource management.
- Present didactic lectures to Boston College as a lecturer, hold adjunct faculty status at Northeastern University.
- Oversee daily clinical responsibilities required by the school and the Department of Anesthesia to ensure streamlined operations.
- Serve as an integral participant in departmental strategic advising and leadership sessions in conjunction with Chief CRNA and Clinical Director.
- Align objectives and bridge communications between students, faculty, and administration.
- Communicated with both students and faculty routinely to discuss clinical progression.
- Execute various OR duties of Staff CRNA.
- Propose specific metrics and timetables to achieve objectives in coordination with department leadership.
- Support leadership in developing a strategic framework for growth and new opportunities.
- Monitor potential opportunities from both local and global partners.
- Unite both business and program development activities to established strategies, actively contributing to the evolution of those strategies.
- Cultivate and maintain effective working relationships with leadership, administrators, and physicians.

NATIONAL BOARD OF CERTIFICATION AND RECERTIFICATION OF NURSE ANESTHETISTS (NBCRNA), CHICAGO, IL, August 2016 to August 2018

EMERGING LEADER FELLOW

- Granted prestigious opportunity in the Future Leader Mentorship Program.
- Offered strategic insights and high-level decision making for the Certification Board.
- Functioned as an energetic and organized participant to two committees: Bylaws, Polices, and Practice (BPP); and Leadership, Development, and Nominations (LDN).

- Achieved consensus among constituent groups through effective collaborations on a national platform.
- Garnered skill and ability in resolving large-scale complex problems.
- Provided various presentations within the Board, as well as to crowds in excess of 300 on Certification related programs and content.

Framingham Union Hospital, Framingham, MA, May 2015 - November 2017

CERTIFIED REGISTERED NURSE ANESTHETIST

- Worked as a Certified Registered Nurse Anesthetist within the setting of a tertiary care Level Itrauma hospital of approximately 1,000 beds.
- Administered anesthesia to all surgical specialties ranging from neurosurgery to pediatrics.
- Provided anesthesia for electroconvulsive therapy (ECT) at McLean Hospital.
- Formulated and developed strategic design and evaluation of SRNA clinical program.
- Headed departmental clinical improvement projects, most recently the MGH DACCPM intraoperative kidney transplant protocol.

NORTHWESTERN MEDICINE, CHICAGO, IL, October 2013 - May 2015

CERTIFIED REGISTERED NURSE ANESTHETIST

- Became proficient in the administration and selection of GETA, LMA, Regional, and MAC types of anesthesia.
- Dispensed and monitored anesthesia in all adult surgical specialties including vascular, general, neuro, emergency, trauma, orthopedics, obstetrical, gyn, GU, ENT, ophthalmic, thoracic, and radiologic.
- Delivered high quality anesthetic care to a wide array of patients through successful staff collaborations.
- Executed intubations, IV starts, arterial lines, central venous lines, and fiber optic intubations as patient acuity dictates.
- Offered clinical teaching, mentoring, and assessment to residents, medical students, and DePaul University student registered nurse anesthetists.

WAYNE STATE UNIVERSITY, DETROIT, MI, May 2011 - August 2013

STUDENT REGISTERED NURSE ANESTHETIST

- Operated as a student nurse anesthesia provider in a variety of settings within a full time clinical and didactic nurse anesthesia program.
- Maintained responsibility for patient assessment, selection, and implementation of an anesthetic plan and management of perioperative anesthesia care.
- Honed skills in the administration of general, regional, local and IV sedation.
- Focused education on the implementation of all airway management techniques including nasal intubations, fiber optic, and video laryngoscopy.
- Emphasized the acute trauma patient and advanced anesthesia skills including management arterial lines, central lines and pulmonary artery catheters with associated hemodynamic monitoring and management.
- Completed specialty rotations such as obstetrics, pediatrics, and cardiovascular anesthesia.

DETROIT MEDICAL CENTER, DETROIT, MI, May 2011 - October 2012

SWAT/ RAPID RESPONSE TEAM

- Provided emergency coverage within the assigned area of practice based on unit needs, patientacuity, and crises.
- Partnered with ancillary departments participating in the patient care process to ensure tests were completed promptly and ensure that needs were met.
- Promoted Patient Family Centered Care, anticipated and responded to the needs of others, mastered leadership skills.

VANDERBILT UNIVERSITY MEDICAL CENTER, TRAUMA ICU, NASHVILLE, TN, October 2009 - May 2011

RESEARCH NURSE SPECIALIST

- Assisted the Principal Investigator in assuring that the integrity and quality of the clinical research trial
 was maintained and conducted in accordance with the Clinical Practice Guidelines for Progesterone vs.
 Placebo BHR-100 traumatic brain injury (TBI) study.
- Orchestrated, coordinated, and implemented recruitment procedures for potential participants and managed enrolment of the trial lifecycle, from screening to study completion.
- Gained strong administrative skills by maintaining accurate and timely documentation and actively communicating with the sponsor.

STAFF NURSE

- Performed as a registered nurse as a member of an interdisciplinary team at a renowned Level 1 trauma center, cared for critically ill trauma patients.
- Analyzed and troubleshot various problems in a high-pressure environment, and managed multiple vasoactive medications and complex pharmacology to affect positive patient outcomes.
- Offered practical assistance in the completion of multiple surgical procedures at the bedside to stabilize patients.

EDUCATION AND CREDENTIALS

Doctor of Philosophy (Ph.D.) in Nursing, Expected 2020; Northeastern University, Boston, MA

Master of Business Administration (MBA), Expected 2020; University of Illinois, Urbana-Champaign, IL

Certificate, Paramedic, 2016; Creighton University, Omaha, NE

Master of Science (M.Sc.) in Anesthesia, 2013; Wayne State University, Detroit, MI

Master of Science in Nursing (M.S.N.) Direct Entry Program, 2009; Salem State College, Salem, MA

Bachelor of Art (B.A.) in Natural Science, 2007; Saint Anselm College, Manchester, NH; Certificate in Forensics

CERTIFICATIONS

- NBCRNA Recertified
- Nationally Registered Paramedic
- American Heart Association BLS Instructor
- Advanced Cardiac Life Support Instructor
- Pediatric Advanced Life Support Instructor

PROFESSIONAL ASSOCIATIONS AND RESEARCH

- NBCRNA Communications Committee, 2019-Present
- NBCRNA CPC Professional Practice Analysis Chair, 2019
- Northeastern PhD Advisory Committee, 2018-2019
- NBCRNA Emerging Leader Fellow, 2016-2018
- NBCRNA CPC Sample Item Writing Committee, 2015
- NBCRNA CPC Professional Practice Analysis Committee, 2015
- Key Political Contact, Michigan Association of Nurse Anesthetists, 2012-2013
- Curriculum Committee, Nurse Anesthesia Program, Wayne State University, 2011-2013
- Student Hearing Committee Panel, Eugene Applebaum College of Health Sciences, Wayne State University, 2011-2013
- Vanderbilt Trauma Unit Drug Reference Card Redesign, 2010
- Vanderbilt University Medical Center Workplace Violence Committee, 2010

PUBLICATIONS

• Chapter Reviewer: Chapters 6, 7, 34, Nagelhout J. Plaus K., ed. Nurse Anesthesia. 5th ed. St. Louis, Mo.: Saunders/Elsevier; 2014.

• Chapter Authoring: Gill C. Anesthesia for Ear, Nose, and Throat, and Maxillofacial Surgery. In: Nagelhout J. Elisha S, ed. Nurse Anesthesia. 6th ed. St. Louis, MO: Elsevier/Saunders.

PRESENTATIONS

- Infusion Nursing Society, National Academy November 2016 "Big Trouble with Little Bubbles" Effects of microbubbles on physiology and the physics which govern them.
- Massachusetts Society of Peri Anesthesia Nurse Society, Fall 2017 and Spring 2018 Meetings "Coagulation Pathophysiology" & "Ketamine it's in the evidence."
- Urologic Surgery lecture, Boston College Nurse Anesthesia Program November 2017 & 2018.
- Eastern Nursing Research Society Spring 2019 Meeting "Systematic Review of Adjuvant Analgesics."

AWARDS AND HONORS

 Massachusetts General Hospital, Department of Anesthesia, Critical Care, and Pain Management – Service Excellence Award

ADDITIONAL INFORMATION

Technical Proficiencies: Windows, Mac OS, Microsoft Exchange, Microsoft Office Suite

Interests: Fitness, Running, Private pilot license training