

AARON J. DOUGLAS, DO, MMM

AARONJDOUGLAS@GMAIL.COM • PHONE: 785-393-0002 • WWW.LINKEDIN.COM/IN/AARONJDOUGLAS

ADDRESS: 5828 ALHAMBRA STREET, FAIRWAY, KANSAS 66205

PROFESSIONAL SUMMARY

Board Certifications in Cardiac Anesthesiology, Critical Care Medicine, and Neurocritical Care

Diplomate of Advanced Perioperative Transesophageal Echocardiography (PTEEXAM)

Testamur of Special Competence in Adult Echocardiography (ASCEXAM)

Master's degree in medical management from Carnegie Mellon University

10 years of experience in Critical Care Medicine and Cardiovascular Anesthesiology

EDUCATION

MASTER OF MEDICAL MANAGEMENT (MMM) Carnegie Mellon University	9/2016 – 5/2018
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DOCTOR OF OSTEOPATHIC MEDICINE Kansas City University of Medicine & Biosciences	8/2004 – 5/2008
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BGS, PSYCHOLOGY University of Kansas	8/1997 – 5/2002
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POSTDOCTORAL TRAINING

CRITICAL CARE MEDICINE (WITH ADVANCED ECHOCARDIOGRAPHY) Cleveland Clinic, Cleveland Ohio	7/2012 – 6/2013
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ANESTHESIOLOGY (CHIEF RESIDENT) Cleveland Clinic, Cleveland Ohio	7/2008 – 6/2012
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BOARD CERTIFICATION(S)

CARDIAC ANESTHESIOLOGY The American Board of Anesthesiology	12/2023 – CURRENT
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NEUROCRITICAL CARE The American Board of Anesthesiology	10/2021 – CURRENT
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CRITICAL CARE MEDICINE The American Board of Anesthesiology	9/2013 – CURRENT
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ANESTHESIOLOGY The American Board of Anesthesiology	4/2013 – CURRENT
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ADDITIONAL CERTIFICATIONS

SPECIAL COMPETENCE IN ADULT ECHOCARDIOGRAPHY (ASCEXAM) Testamur, National Board of Echocardiography	2014
ADVANCED PERIOPERATIVE TRANS-ESOPHAGEAL ECHOCARDIOGRAPHY (PTEEXAM) Diplomate, National Board of Echocardiography	2013, 2023

ACADEMIC APPOINTMENTS

ASSISTANT PROFESSOR OF ANESTHESIOLOGY University of Missouri - Kansas City SOM Kansas City, Missouri	6/2022 – PRESENT
ASSISTANT PROFESSOR OF ANESTHESIOLOGY Cleveland Clinic Lerner College of Medicine Case Western Reserve University	9/2019 – 9/2021
CLINICAL ASSISTANT PROFESSOR OF ANESTHESIOLOGY Cleveland Clinic Lerner College of Medicine Case Western Reserve University	7/2013 – 9/2019

CLINICAL EXPERIENCE

ANESTHESIOLOGIST, CARDIOVASCULAR OR St. Luke's Hospital Kansas City, MO	6/2022 – PRESENT
INTENSIVIST, CARDIOVASCULAR AND NEURO ICU St. Luke's Hospital Kansas City, MO	6/2022 – PRESENT
INTENSIVIST, CARDIOVASCULAR ICU The Christ Hospital Cincinnati, OH	9/2021 – 6/2022
ANESTHESIOLOGIST, CARDIOVASCULAR Anesthesiology Associates of Cincinnati Cincinnati, OH	9/2021 – 6/2022
FACULTY, CARDIOVASCULAR ANESTHESIOLOGY Department of Cardiothoracic Anesthesiology Cleveland Clinic, Cleveland, Ohio	7/2013 – 9/2021
FACULTY, CRITICAL CARE MEDICINE Department of Intensive Care & Resuscitation Cleveland Clinic, Cleveland, Ohio	7/2013 – 9/2021

LEADERSHIP EXPERIENCE

MEDICAL DIRECTOR

9/2021 – 6/2022

Cardiovascular Intensive Care Unit
The Christ Hospital, Cincinnati, Ohio

- 18 bed combined CVICU and CICU. Mixed medical and surgical patient population.
- Helped formulate vision for new heart transplant program
- Short duration, left Cincinnati for family reasons
- As of 2024 I still have a good relationship with hospital and provide informal consulting

VICE CHIEF, CRITICAL CARE OPERATIONS

7/2018 – 9/2021

Department of Intensive Care & Resuscitation
Cleveland Clinic, Cleveland, Ohio

- Large department - 49 FTE Intensivists, 95 Respiratory Therapists, 50 Nurse Practitioners
- \$35m operating budget; >175 critical care beds in 5 hospitals (MICU, SICU, CV-ICUs)
- Led operations projects in 13 ICUs across 5 different hospitals

CHIEF QUALITY OFFICER

1/2018 – 9/2021

Cardiothoracic and Vascular Intensive Care Unit(s)
Cleveland Clinic, Cleveland, Ohio

- *#1 ranked cardiac program in U.S. News and World Report*
- 7 perioperative ICU(s); 95 total beds; 24 cardiothoracic operating rooms
- > 7,500 cardiac, thoracic, and vascular operations are performed yearly.
- Experience leading quality improvement projects and peer review.

MEDICAL OPERATIONS CONSULTANT

1/2016 – 9/2021

Heart Vascular Institute
Cleveland Clinic, Cleveland, Ohio

- Provided consulting of ICU and Anesthesiology care for Cleveland Clinic affiliate hospitals
- Cleveland Clinic has >10 hospital systems nationwide that are supported
- Program provides strategic administrative assistance (metric tracking, protocol development, etc)
- Support Quality improvement, Patient Safety, Marketing, and Growth initiatives

MEDICAL DIRECTOR, SURGICAL INTENSIVE CARE UNIT

2/2016 – 12/2018

Fairview Hospital, Cleveland Clinic, Cleveland, Ohio

- Fairview is a 460 bed Level II trauma center with all major medical specialties.
- 16 bed SICU comprised of cardiac, vascular, neurologic, general, and trauma patients
- Responsibilities included direction of quality, patient safety, metric reporting, budget, capital management, protocol development, and staffing.
- Mentored and trained 19 PGY1 and PGY2 general surgery residents in critical care.

ASSOCIATE PROGRAM DIRECTOR
Anesthesiology Residency
Cleveland Clinic, Cleveland, Ohio

7/2014 – 7/2016

- Program admits 26 residents per year, considered a top training program nationally.
- Responsible for resident education including coordinating lecture schedule for PGY1-PGY4, curriculum development, evaluations, and serving on the Clinical Competency Committee.

STATE MEDICAL LICENSURE

State Medical Board of Ohio
Number: OH 34.010555
06/15/2012 – current

State Medical Board of Indiana
Number: IN 02006096B
Expired

Missouri State Board of Healing Arts
Number: MO 2022012527
01/25/2021 – current

Kansas State Board of Healing Arts
Number: KS 05-47107
12/05/2022 – current

NATIONAL SERVICE APPOINTMENTS

AMERICAN OSTEOPATHIC COLLEGE OF ANESTHESIOLOGISTS
Finance Committee Board Member
Lexington, Kentucky
2023 - PRESENT

APPLIED BOARD EXAMINER (ORALS)
The American Board of Anesthesiology
Raleigh, North Carolina
2016 - PRESENT

EXAM STANDARDS COMMITTEE, BASIC EXAMINATION
The American Board of Anesthesiology
Raleigh, North Carolina
2015

OTHER LEADERSHIP AND EDUCATION TRAINING

Leading in Healthcare, Cleveland Clinic, 12 month Leadership Course, 2015 - 2016
Society of Education in Anesthesia Workshop on Teaching, 3 day Course, 2015
Teaching and Curriculum Development for Medical Simulation Course, 2015
Program Director's Certificate, 12 month course, Cleveland Clinic 2014 - 2015

HONORS

Fellow, American Osteopathic College of Anesthesiologists, 2022

Chief Resident, Cleveland Clinic 2011, 2012

Best PGY3 Resident Award, Cleveland Clinic, 2011

Best PGY2 Resident Award, Cleveland Clinic, 2010

BIBLIOGRAPHY

PEER REVIEWED PUBLICATIONS / BOOK CHAPTERS / ABSTRACTS / POSTERS

1. Hohlfelder B, **Douglas A**, Wang L, Wanek M, Bauer SR. Association of Methylene Blue Dosing with Hemodynamic Response for the Treatment of Vasoplegia. *Journal of Cardiothoracic and Vascular Anesthesia*. September 2022.
2. **Douglas A**, Capdeville M. The AHA/ACC Consensus Conference: A Roadmap for Success or Just a Long Road? *Journal of Cardiothoracic and Vascular Anesthesia*. August 2021.
3. Bermudez CA, Crespo MM, Shlobin OA, [et al. including **Douglas A**.] ISHLT consensus document on lung transplantation in patients with connective tissue disease: Part II. Cardiac, surgical, perioperative, operative, and postoperative challenges and manages statements. *J Heart Lung Transplant*. July 2021.
4. Ince I, Chiu A, Sagir A, Chahar P, Lin J, **Douglas A**, et al. Association of Pain With Atrial Fibrillation and Delirium After Cardiac Surgery: A DECADE Sub-Study. *Journal of Cardiothoracic and Vascular Anesthesia*. May 2021.
5. Tucker T; Perry J; Bock, A; **Douglas, A**; et al. Left Ventricular assist device implantation with axillary-axillary outflow graft. *JTCVS Techniques*. August 11, 2020.
6. **Douglas, A**; Capdeville, M. From Index Medicus to the Palm of our Hands- What's "App-ening" in Graduate Medical Education. *Journal of Cardiothoracic and Vascular Anesthesia* 34; 2133-2135, August 2020.
7. Bissing, D; Cheruku, S; **Douglas, A**; Geube, M. Pericardial Drain Insertion. Poster Presentation. Society of Cardiovascular Anesthesiologist Annual Meeting. March 2019.
8. **Douglas, Aaron**. Mechanical Ventilation. In: *Basic Science in Anesthesia*. Editors: Farag E, Argalious M, Tetzlaff J, Sharma D. Book Chapter. Springer 2018.
9. **Douglas, A**; Nowak, Diane; Gordillo, Desiree; Cresci, Gail; Rahman, Nadeem; Benesh, Bethany; Bury, Christine; Hata, Steven. Comparison of Weight-based Caloric Formula with Indirect Calorimetry in Cardiothoracic ICU Patients. *Critical Care Medicine*. 43(12):68, December 2015.
10. Doyle DG, Abdelmalak B, **Douglas A**. The Art and Science of Awake Fiberoptic Intubation. In: *Clinical Airway Management: An Illustrated Case-Based Approach*. Ed. Doyle DG. Cambridge University Press. Video. 2014.
11. Udeh C, **Douglas A**, Udeh BL, Hata S: Heparin Induced Thrombocytopenia: A Clinical and Economic View. *OA Anaesthetics* 2013 Mar 01;(1):3.

12. **Douglas A**, Convery E, Pickett P, Hata JS. Recent Advanced in Perioperative Anesthetic Management Update in the Perioperative Support of Patients with Septic Shock and the Effect on Outcomes. Curr Pharm Des. 2012 Jul 2.
13. Desai G, **Douglas A**, Dalton A, LaFavor K. Carpal Tunnel Syndrome. In: Encyclopedia of Global Health. Zhang Y, Golson J, Editors. 1st Edition. Los Angeles: SAGE publications, 2008:352-354.

INVITED PRESENTATIONS

1. Critical Care Medicine updates for the Anesthesiologist. American Osteopathic College of Anesthesiologists. Phoenix, Arizona. September 19, 2022.
2. Perioperative Decision in Making in VA-ECMO. Cleveland Clinic ECMO Specialist Course. Cleveland Clinic, Cleveland Ohio, January 29, 2020.
3. Essential Critical Care for the Anesthesiologist. American Osteopathic Anesthesiologists Association. Chicago, Illinois, March 16, 2019.
4. Critical Care Echocardiography. American Osteopathic Anesthesiologists Association. Chicago, Illinois, March 15, 2019.
5. Echocardiography for the Anesthesiologist. Cleveland Society of Anesthesiologists Annual Meeting. Cleveland, Ohio, November 2, 2018.
6. Postoperative Care of the CABG patient. MICU Grand Rounds. Cleveland Clinic, Cleveland, Ohio, January 11, 2018.
7. Comparison of Weight-based Caloric Formula with Indirect Calorimetry in Cardiothoracic ICU Patients. Society of Critical Care Medicine. Orlando, Florida, February 23, 2016.
8. Cardiac Implantable Electronic Devices. Comprehensive Anesthesiology Review Course. Cleveland Clinic, Cleveland, Ohio, March 25, 2015.
9. Anesthesia for Peripheral Vascular Disease. Comprehensive Anesthesiology Review Course. Cleveland Clinic, Cleveland, Ohio, March 25, 2015.
10. The Pacemaker Patient. Comprehensive Anesthesiology Review Course. Cleveland Clinic, Cleveland Ohio, March 26, 2014.
11. Perioperative Management of CIEDs. WRNMMC Grand Rounds. Bethesda Maryland, March 6, 2014.
12. Management of CIEDs. American Osteopathic Anesthesiologists Association. New Orleans, Louisiana. January 18, 2014.
13. Understanding the Epidemic of Delirium in Critical Care. Critical Care Grand Rounds. Cleveland Ohio, October 31, 2013.
14. Perioperative Management of Pacemakers and AICDs. American Osteopathic Anesthesiologists Association. Chicago Illinois, March 16, 2013.
15. Carcinoid Tumors, Anesthetic Implications and Management. Cleveland Clinic Residency Program. June 2012.
16. Non-Dialytic Therapy in AKI. Cleveland Clinic Critical Care Grand Rounds. November 2011.

17. Paravertebral Block for Thoracotomy Pain. Midwest Anesthesia Resident Conference, Chicago, Illinois. March 2009.