

BRENT WALLACE

MMSc, CAA

Education

Master of Medical Science in Anesthesia,
Baylor College of Medicine, 2015

Bachelor of Science in Biomedical Engineering, University of Texas at Austin, 2013

Certifications

- NCCAA Certified Anesthesiologist Assistant — 2017–Present
- Advanced Cardiovascular Life Support (ACLS) — Valid through 2026
- Basic Life Support (BLS) — Valid through 2026
- Transesophageal Echocardiography (TEE) Course — American Society of Echocardiography, 2016

Skills

Cardiopulmonary bypass management and monitoring ★★★★★

Basic and advanced TEE interpretation ★★★★★


Hemodynamic pharmacology and anesthesia adjustments ★★★★★

Arterial and central venous catheter placement ★★★★★


Extracorporeal circulation and mechanical support systems ★★★★★

Languages

- Spanish (Professional working proficiency)

 (832) 556-0098

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 United States, Houston, TX

Professional summary

Experienced and NCCAA-certified Certified Anesthesiologist Assistant specializing in cardiothoracic anesthesia. Proficient in managing anesthesia for open-heart surgeries, valve replacements, and vascular procedures involving transesophageal echocardiography (TEE) and cardiopulmonary bypass. Committed to precise intraoperative care and collaborative team dynamics.

Experience

July 2017 - Now

Cardiothoracic Anesthesia Assistant
Houston Methodist Hospital

- Deliver advanced anesthesia management for cardiac and vascular surgeries, including coronary artery bypass grafting and abdominal aortic aneurysm (AAA) repair.
- Monitor and optimize hemodynamic parameters during cardiopulmonary bypass and postoperative weaning.
- Collaborate closely with perfusionists, surgeons, and ICU staff to ensure seamless patient transitions.
- Lead post-operative handoffs in cardiovascular intensive care units.

May 2015 - June 2017

Certified Anesthesiologist Assistant Resident
Texas Heart Institute

- Performed arterial and central line placements under supervision.
- Assisted with TEE monitoring and interpretation during high-acuity cardiac cases.
- Supported complex anesthesia delivery while maintaining focus on patient safety and outcomes.

Extracurricular Activities

- Volunteer Coach, Houston Youth Soccer League (2018–Present)
- Member, Biomedical Engineering Society, University of Texas at Austin (2010–2013)
- Organizer, Annual Cardiothoracic Anesthesia Workshop, Houston Methodist Hospital (2019, 2021)