

Stanford



Ana Maria Crawford

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICES

- **Anesthesia Department**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. Crawford is board certified in both Anesthesiology and Critical Care Medicine and a leading advocate for global health equity. In 2011, she founded the Division of Global Health Equity within the Department of Anesthesiology, Perioperative and Pain Medicine and now serves as the Director of Global Engagement Strategy. She also holds an honorary appointment at the University of Rwanda as an Associate Professor. Dr. Crawford has a passion for equitable medical education and has spent over a decade working to bring quality education and training through academic partnerships across the globe. She has also served as an educator in under-resourced areas within the borders of the United States. As the proud recipient of the 2021 Kevin Malott Humanitarian Service Award, Dr. Crawford worked assisting the Oglala Lakota Native American reservation and Pine Ridge Hospital in South Dakota with their COVID-19 response. Dr. Crawford is the creator and Editor-in-Chief of the Global Anesthesia and Critical Care Learning Resource Center ("the LRC"), an online education platform offering free and open access resources for healthcare providers. Although focused primarily on Anesthesia and Critical Care training, the LRC was key in the COVID-19 response, providing training and education on oxygen therapy and Critical Care for providers regardless of training background. To date, these programs have reached over 8000 learners from over 145 different countries. In addition, she has served as a consultant to non-profit organizations developing education and training programs, including training for anesthesiology, anesthesia machines, mechanical ventilators, critical care medicine, and medical oxygen supply, safety, and delivery. She serves on multiple committees both nationally and internationally with the aim of improving quality and access to healthcare. Dr. Crawford serves on the Core Leadership Team and as a Global Health Faculty Fellow for the Center for Innovation in Global Health at Stanford University.

CLINICAL FOCUS

- Anesthesia
- Critical Care Medicine

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Director, Global Engagement Strategy, (2022- present)
- Director, Editor-in-Chief, Global Anesthesia and Critical Care Learning Resource Center, (2020- present)
- Director, Global Anesthesia Fellowship, (2013- present)
- Founder, Division of Global Health Equity, (2011- present)

HONORS AND AWARDS

- Alpha Omega Alpha, AOA (2022)
- Kevin Malott Humanitarian Service Award, Stanford Health Care (2021)
- Stanford Leadership Development Nomination, Stanford University (2014)
- Stanford Advanced Leadership Program Nomination, Stanford University (2013)
- Stanford Faculty Development Nomination, Stanford University (2013)
- Anesthesia Teaching Scholar Award, Stanford University (2009)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board Member, American Society of Anesthesiologists Charitable Foundation (2023 - present)
- Medical Oxygen Advisory Board, Lancet Global Health (2022 - present)
- Roster of Consultants, World Health Organization (2022 - present)
- Education Committee Member, World Federation of Societies of Anaesthesiologists (2020 - present)
- Global Health Committee - Chair, California Society of Anesthesiologists (2020 - present)
- Board of Directors, Eden I&R (2019 - 2021)
- Honorary Associate Professor, University of Rwanda (2018 - present)
- ASA-GHO Rwanda Program Lead, American Society of Anesthesiologists (2017 - 2021)
- Canadian Anesthesiologists' Society - International Education Foundation, CASIEF (2017 - 2021)
- ASA-Global Humanitarian Outreach, American Society of Anesthesiologists (2015 - present)

PROFESSIONAL EDUCATION

- MSc, UCSF, Global Health Sciences (2011)
- Board Certification: Anesthesia, American Board of Anesthesiology (2009)
- Board Certification: Critical Care Medicine, American Board of Anesthesiology (2009)
- Fellowship: Stanford University Pulmonary and Critical Care Fellowship (2009) CA
- Residency: University of Texas Southwestern Medical School Registrar (2008) TX
- Internship: Baptist Health System Inc (2005) AL
- Medical Education: University of Alabama School of Medicine (2004) AL

COMMUNITY AND INTERNATIONAL WORK

- EdenI&R, Alameda County
- Operation Access
- MEPI - University of Zimbabwe, Harare, Zimbabwe

- University of Rwanda Anesthesia Training Program and Residency, Rwanda

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)
- Critical Care Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Global critical care: a call to action.** *Critical care (London, England)*
Crawford, A. M., Shiferaw, A. A., Ntambwe, P., Milan, A. O., Khalid, K., Rubio, R., Nizeyimana, F., Ariza, F., Mohammed, A. D., Baker, T., Banguti, P. R., Madzimbamuto, F.
2023; 27 (1): 28
- **An audit of the carbon footprint of travel for the Canadian Anesthesiologists' Society International Education Foundation partnerships.** *Canadian journal of anaesthesia = Journal canadien d'anesthesie*
Chibane, S., Ryan, T., Nizeyimana, F., Gill, O., Abate, A., Hamstra, J., Crawford, A., Barnbrook, J., Bould, M. D.
2023
- **Surviving Sepsis Campaign 2021 Updates for Management of Sepsis and Septic Shock** *ASA Monitor*
Crawford, A. M.
2023; 87 (30)
- **Anesthesia Fellowship Programs in Global Health: An Update** *ASA Monitor*
Park, S., Arteaga, M., Percy, S., Crawford, A.
2023; 87: 24-25
- **ASA Global Health Overseas Training Programs: A Rwanda Update** *ASA Monitor*
Asher, S. R., Crawford, A. M.
2023; 87: 22
- **The Value of Global Engagement** *ASA Monitor*
Crawford, A. M., Belani, K. G., Drum, E. T.
2023; 87: 16-17
- **Remote Education: Opportunity in Necessity** *Update in Anaesthesia*
Morley, R., Crawford, A. M., Abdel-Rahman El-Refai, N.
2022; 36
- **Barriers to Effective Transfusion Practices in Low-Resourced Settings: From Infrastructure to Cultural Beliefs**
Crawford, A., Mohammad, A., Ntambwe, P.
LIPPINCOTT WILLIAMS & WILKINS.2021: 680-681
- **Global Includes Local** *ASA Monitor*
Crawford, A., Jensen, A.
2021; 85: 21-22
- **Assessment of intraoperative temperature management at the University Teaching Hospital of Kigali: A quality improvement project** *World Journal of Advanced Research and Reviews*
Flannery, K., Uwimana, J., Nikuze, C., Uwineza, J., Crawford, A. M.
2021; 09 (01): 97-103
- **Global Health Without Travel? Reframing Global Health for Anesthesiologists**
Crawford, A. M., Singleton, M., Sanghvi, R.
California Society of Anesthesiologists.

2021 ; CSA Vital Times Annual Report

- **Correction to: Barriers to Effective Transfusion Practices in Limited-Resource Settings: From Infrastructure to Cultural Beliefs.** *World journal of surgery*
Mohammed, A. D., Ntambwe, P., Crawford, A. M.
2020
- **Barriers to Effective Transfusion Practices in Limited-Resource Settings: From Infrastructure to Cultural Beliefs.** *World journal of surgery*
Mohammed, A. D., Ntambwe, P., Crawford, A. M.
2020
- **California Programs Address Global Needs and Enrich the Career Development of Young Anesthesiologists: California Society of Anesthesiologists**
Singleton, M., Crawford, A., Duperrault, M., et al
California Society of Anesthesiologists.
2019 ; CSA Vital Times Annual Report
- **Considerations in Developing Thoughtful Anesthesia Global Health Programs** *ASA Monitor*
Duperrault, M., McGoldrick, R., Crawford, A.
2018; 82 (4): 50
- **Bi-directional International Resident Scholar Exchange: Is it Valuable?** *ASA Monitor*
Crawford, A. M., Mets, B.
2018; 82 (10)
- **ASA Global Humanitarian Outreach Overseas Teaching Program: Rwandan versus American Perspective** *ASA Monitor*
Crawford, A. M., Bangui, P., Uwambazimana, J. D.
2017; 81: 46 – 50
- **Global Health Fellowships** *American Society of Anesthesiologists Newsletter*
McGoldrick, R., Crawford, A. M., McQueen, K. q.
2015; 79 (3)
- **Editorial comment: anesthetic management of a malnourished, 7-year-old child in Malawi undergoing a pneumonectomy. A & A case reports**
Crawford, A. M.
2014; 3 (6): 72-?
- **Modulatory effects of hypercapnia on in vitro and in vivo pulmonary endothelial-neutrophil adhesive responses during inflammation** *CYTOKINE*
Liu, Y., Chacko, B. K., Ricksecker, A., Shingarev, R., Andrews, E., Patel, R. P., Lang, J. D.
2008; 44 (1): 108–17
- **Fluid Management: Minimization versus Goal-Directed Therapy** *American Society of Anesthesiologists Newsletter*
Crawford, A. ., Joshi, G. P.
2008; 72 (4)
- **Perioperative Ventilation Strategies: New modes and monitoring features in anesthesia ventilators improve management of challenging patients, situations.** *Acuity Care Technology*
Beckham, J., Crawford, A., Joshi, G.
2006