



## Elan Chanel Burton, MD, MHA

Clinical Associate Professor, Cardiothoracic Surgery

### CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Cardiothoracic Surgery**

300 Pasteur Dr Rm S287

Falk Bldg CVRB

Stanford, CA 94305

**Tel** (650) 723-3391      **Fax** (650) 723-4200

### Bio

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#### BIO

Dr. Burton is a board-certified cardiothoracic surgeon. She is also a clinical associate professor in the Stanford University School of Medicine Department of Cardiothoracic Surgery and Section Chief for Stanford Medicine Affiliates.

She offers her patients exceptional expertise in advanced cardiothoracic surgical techniques. For each patient, she develops a customized, comprehensive, and compassionate care plan.

Dr. Burton has completed specialized training in robotic technique for minimally invasive direct coronary artery bypass (MIDCAB). This procedure enables surgical access to the heart with a smaller incision than other coronary artery bypass graft (CABG) procedures.

In addition to her clinical practice, Dr. Burton has conducted research on health disparities in cardiovascular disease, diversity in radiology and molecular imaging, and other topics. She received an innovation research grant from the National Science Foundation for her work on an app for emotional support during the COVID-19 pandemic.

Dr. Burton has made presentations to her peers as a guest lecturer on subjects including coronary artery disease, primary cardiac tumors, and minimally invasive cardiac surgery. In addition, she has made presentations to the Western Thoracic Surgical Association, American Heart Association, International Conference on Clinical Ethics and Consultation, and other organizations.

Dr. Burton has published articles on advanced surgical techniques as well as issues such as balancing work and family during the COVID-19 pandemic, plus health disparities, biases in healthcare, and social determinants of health. Her work has appeared in the JAMA Network Open, Journal of Cardiac Surgery, JTCVS Techniques, International Social Work, and elsewhere.

Dr. Burton has earned honors including the Coleman Connolly Award in Thoracic Surgery, which recognizes the exemplary efforts of thoracic surgery residents. She also won the Society of Laparoendoscopic Surgeons Resident Achievement Award and the Dr. Albert G. Marrangoni Research Award.

She is a member of the Society of Thoracic Surgeons, American College of Cardiology, American College of Physicians–American Society of Internal Medicine, Lillehei Surgical Society, Western Thoracic Surgical Association, American Society of Professionals in Patient Safety, Women Health Care Executives, Association of Women Surgeons, Society of Black Academic Surgeons, and American Association of Healthcare Administrative Management.

She has volunteered her time and expertise as a high school medical club faculty mentor, as an elementary school community health nutrition interventionist, and with the Western Pennsylvania Humane Society.

## CLINICAL FOCUS

- Thoracic and Cardiac Surgery

## ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Cardiothoracic Surgery
- Member, Cardiovascular Institute

## PROFESSIONAL EDUCATION

- Medical Education: Morehouse School of Medicine (2005) GA
- Board Certification: Thoracic and Cardiac Surgery, American Board of Thoracic Surgery (2014)
- Fellowship: University of Minnesota Dept of Cardiothoracic Surgery (2013) MN
- Residency: UPMC Mercy General Surgery Residency Program (2010) PA
- Board Certification: General Surgery, American Board of Surgery (2011)
- Fellowship: University of Maryland Div of Cardiac Surgery (2014) MD
- MHA, University of Minnesota , Healthcare Administration (2019)

## LINKS

- Stanford Adult Cardiac Services: <http://med.stanford.edu/ctsurgery/clinical-care/adult-cardiac-surgery-services.html>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Publications

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### PUBLICATIONS

- **Trends in Open Aortic Valve Surgery in the United States: Descriptive Analysis of Sociodemographic Factors in Patient Selection.** *BMC surgery*  
Burton, É., Marafino, B., Pines, K. C., Morrison, T., Groeneveld, M. C., Baiocchi, M.  
2026
- **Uncommon presentations of type A quadricuspid aortic valve in the Septuagenarian.** *Journal of cardiothoracic surgery*  
Choi, P., Paulsen, M., Lin, Y., Moskalik, W., Ji, A., Jackson, E., Malik, S., Burton, E., Woo, Y. J., Burdon, T.  
2024; 19 (1): 301
- **Type A Aortic Dissection With Concurrent Aortic Valve Endocarditis, Subarachnoid Hemorrhage, and Disseminated Intravascular Coagulation.** *JACC. Case reports*  
Elde, S. F., Guenthart, B. A., de Biasi, A., Dalal, A. R., Casselman, K. G., Hiesinger, W., Burton, E. C.  
2022; 4 (14): 839-843

- **Standardization of operative start times for non-emergent cardiac surgical procedures.** *Journal of cardiac surgery*  
Burton, É., Medina, M., Antonio, H.  
2022
- **Assessment of Bias in Patient Safety Reporting Systems Categorized by Physician Gender, Race and Ethnicity, and Faculty Rank: A Qualitative Study.** *JAMA network open*  
Burton, E., Flores, B., Jerome, B., Baiocchi, M., Min, Y., Maldonado, Y. A., Fassiotto, M.  
2022; 5 (5): e2213234
- **Incidentally Found Ascending AorticThrombus: Presentation and Management.** *JACC. Case reports*  
Quach, N., Medina, M., Burton, E.  
2021; 3 (13): 1489-1493
- **Successful beating-heart repair of pulmonary artery dissection using a composite valve-tube graft.** *Journal of cardiac surgery*  
de Biasi, A. R., Wang, H., Medina, M. G., Burton, E., Ogden, W. D.  
2021
- **A Novel Alternative to The Commando Procedure: Constructing a Neo-Aortic Root by Anchoring to the Sewing Ring of the Replaced Mitral Valve.** *JTCVS techniques*  
Elde, S., de Biasi, A., Woo, Y. J., Burton, E.  
2020
- **COVID-19: Health disparities and social determinants of health** *INTERNATIONAL SOCIAL WORK*  
Burton, E. C., Bennett, D. H. S., Burton, L. M.  
2020
- **Remote Working 2.0: Balancing Work and Family during the Coronavirus Pandemic** *California Management Review*  
Bennett, D., Andonova, Y., Anaza, N., Burton, E.  
2020
- **Ascending Aortic B-Cell Lymphoma Masquerading as Intramural Hematoma: A Case Report** *Ascending Aortic B-Cell Lymphoma Masquerading as Intramural Hematoma: A Case Report*  
Holley, C. T., Spratt, J. R., Missov, E., Burton, E. C., Shumway, S. J.  
2014
- **Intracystic Papillary Carcinoma of the Breast.** *Radiology case reports*  
Burton, É. C., Stahlfeld, K. R., McKeating, J. A.  
2009; 4 (3): 279
- **Abdominal aortic pseudoaneurysm managed with endovascular stent graft.** *Surgical laparoscopy, endoscopy & percutaneous techniques*  
Hower, J., Burton, E., Agrawal, S. T., Simone, S., Stahlfeld, K.  
2009; 19 (3): e106-8
- **What do physician extenders in a general surgery residency really do?** *JOURNAL OF SURGICAL EDUCATION*  
Stahlfeld, K. R., Robinson, J. M., Burton, E. C.  
2008; 65 (5): 354-358
- **Laparoscopic management of a small bowel obstruction of unknown cause** *JSLs-JOURNAL OF THE SOCIETY OF LAPAROENDOSCOPIC SURGEONS*  
Burton, E., McKeating, J., Stahlfeld, K.  
2008; 12 (3): 299-302

## PRESENTATIONS

- Funding Options for Early Career Scientist - American Heart Association Scientific Sessions 2017