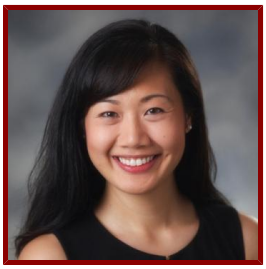
Stanford



Carol Chen, MD

Clinical Assistant Professor, Cardiothoracic Surgery

CLINICAL OFFICE (PRIMARY)

- **Cardiothoracic Surgery**
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  Palo Alto, CA 94304
  Tel (650) 736-9364 **Fax** (650) 736-0901

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**
  Brenda Andrews - Administrative Associate
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Bio

BIO

Dr. Carol Chen is a board-certified, fellowship-trained cardiothoracic surgeon and surgical director of adult heart transplantation at Stanford Health Care. She is also a clinical assistant professor in the Department of Cardiothoracic Surgery, Division of Adult Cardiac Surgery at Stanford University School of Medicine.

Dr. Chen specializes in all aspects of adult cardiac surgery. She has extensive experience in heart transplantation, including patient selection and donor evaluation. She is also highly skilled in aortic surgery, valve repair and replacement, coronary artery bypass, and mechanical circulatory support.

Dr. Chen's research interests include mathematical modeling and outcomes in heart transplantation. She has studied the interaction of donor and recipient age in heart transplants, as well as long-term mechanical circulatory support in patients with left ventricular assist device implants.

Dr. Chen has published her research in peer-reviewed journals such as the Journal of Cardiac Failure, the Journal of Thoracic and Cardiovascular Surgery, the Annals of Thoracic Surgery, and Seminars in Thoracic and Cardiovascular Surgery. She has presented to her peers at international and national meetings, including the American Association for Thoracic Surgery Mitral Conclave, International Society for Heart and Lung Transplantation (ISHLT), American Heart Association, and American College of Surgeons.

Dr. Chen is a member of the ISHLT and the Society of Thoracic Surgeons.

CLINICAL FOCUS

- Thoracic and Cardiac Surgery

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Cardiothoracic Surgery

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Society of Thoracic Surgeons (2024 - present)
- Member, International Society for Heart and Lung Transplantation (2024 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Dept of Cardiothoracic Surgery (2021) CA
- Residency: Hospital of the University of Pennsylvania General Surgery Residency (2019) PA
- Medical Education: Washington University School Of Medicine Registrar (2012) MO

Publications

PUBLICATIONS

- **Transplant Volume Is Associated With Graft Acceptance Threshold and Center Resource Availability.** *Journal of cardiac failure*
  Chen, C. W., Auvil, B. J., Zhang, J. C., Chung, J. J., Gaffey, A. C., Bermudez, C. A., Goldberg, L. R., Acker, M. A., Atluri, P.
  2020; 26 (6): 522-526
- **Interaction of Donor and Recipient Age: Do Older Heart Transplant Recipients Require Younger Hearts?** *The Annals of thoracic surgery*
  Daniel, M., Chen, C., Chung, J., Goldberg, L., Acker, M. A., Atluri, P.
  2019; 107 (1): 62-66
- **Preoperative renal dysfunction does not affect outcomes of left ventricular assist device implantation.** *The Journal of thoracic and cardiovascular surgery*
  Kilic, A., Chen, C. W., Gaffey, A. C., Wald, J. W., Acker, M. A., Atluri, P.
  2018; 156 (3): 1093-1101.e1
- **Sustained release of endothelial progenitor cell-derived extracellular vesicles from shear-thinning hydrogels improves angiogenesis and promotes function after myocardial infarction.** *Cardiovascular research*
  Chen, C. W., Wang, L. L., Zaman, S., Gordon, J., Arisi, M. F., Venkataraman, C. M., Chung, J. J., Hung, G., Gaffey, A. C., Spruce, L. A., Fazelinia, H., Gorman, R. C., Seeholzer, et al
  2018; 114 (7): 1029-1040
- **Is there a difference in bleeding after left ventricular assist device implant: centrifugal versus axial?** *Journal of cardiothoracic surgery*
  Gaffey, A. C., Chen, C. W., Chung, J. J., Han, J., Bermudez, C. A., Wald, J., Atluri, P.
  2018; 13 (1): 22
- **Improved Approach With Subcostal Exchange of the HeartMate II Left Ventricular Assist Device: Difference in On and Off Pump?** *The Annals of thoracic surgery*
  Gaffey, A. C., Chen, C. W., Chung, J. J., Phillips, E., Wald, J., Williams, M. L., Low, D. W., Acker, M. A., Atluri, P.
  2017; 104 (5): 1540-1546
- **Extended distance cardiac allograft can successfully be utilized without impacting long-term survival.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Gaffey, A. C., Chen, C. W., Chung, J. J., Han, J., Owens, A., Acker, M. A., Atluri, P.
  2017; 36 (9): 968-972
- **Non-cardiac surgery in patients with continuous-flow left ventricular assist devices: a single institutional experience.** *Journal of investigative medicine : the official publication of the American Federation for Clinical Research*
  Chen, C. W., Dumon, K. R., Shaked, O., Acker, M. A., Atluri, P., Dempsey, D. T.
  2017; 65 (5): 912-918
- **Low ejection fraction in donor hearts is not directly associated with increased recipient mortality.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Chen, C. W., Sprys, M. H., Gaffey, A. C., Chung, J. J., Margulies, K. B., Acker, M. A., Atluri, P.
  2017; 36 (6): 611-615
- **Bridge with a left ventricular assist device to a simultaneous heart and kidney transplant: Review of the United Network for Organ Sharing database.** *Journal of cardiac surgery*

Gaffey, A. C., Chen, C. W., Chung, J., Grandin, E. W., Porrett, P. M., Acker, M. A., Atluri, P.
2017; 32 (3): 209-214