



Christiane Haeffele

- Clinical Associate Professor, Medicine - Cardiovascular Medicine
- Clinical Assistant Professor, Pediatrics - Cardiology

CLINICAL OFFICE (PRIMARY)

- **Stanford Cardiovascular Clinic**

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Bio

BIO

Dr. Christiane Haeffele earned her medical degree from the Duke University School of Medicine in Durham, North Carolina. She completed a combined medicine and pediatric residency at Harvard University in Boston, Massachusetts at the Brigham and Women's Hospital and Boston Children's Hospital. She also completed the Doris and Howard Hiatt Residency in Global Health Equity and Internal Medicine program, working on oncology infrastructure in Rwanda in partnership with the Rwandan Ministry of Health and Partners in Health. She completed her fellowship in adult cardiology and sub-specialized training in adult congenital heart disease and echocardiography at Stanford Hospital. She served one year as a chief fellow for the general cardiology fellowship at Stanford.

Dr. Haeffele is the Director of the Structural ECHO program at Stanford Hospital. She is the Program Director for the Advanced ECHO Imaging fellowship. Dr. Haeffele is also appointed Clinical Assistant Professor of Medicine and Pediatrics at Stanford University School of Medicine.

Dr. Haeffele is a board certified cardiology physician. Her research interests include management of adults with congenital heart disease, echocardiography, structural heart disease and catheter based interventions, and the complexities of heart transplant in the adult with congenital heart disease.

CLINICAL FOCUS

- Echocardiography
- Interventional ECHO
- Pregnancy
- Fontan physiology
- Structural Heart Disease
- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine - Cardiovascular Medicine
- Clinical Assistant Professor, Pediatrics - Cardiology

- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Program Director of Advanced ECHO Imaging Fellowship, Stanford University, (2020- present)
- Director of Structural ECHO, Stanford CV Medicine, (2019- present)
- Assistant Program Director, General Cardiology Fellowship, Stanford University, (2017-2021)
- Affinity Chief, General Cardiology Inpatient Service, Stanford Hospital, (2016-2019)

HONORS AND AWARDS

- Department of Medicine Teaching Award, Stanford Medicine (2020)
- Timothy F. Beckett, Jr. Award, Best Clinical Teaching by a Medicine Fellow, Stanford University (2014)
- Excellence in Cardiology Fellowship, American College of Cardiology (2015)
- Outstanding Clinical Fellow Award, Stanford University, Division of Cardiology (2014)
- Andrew C. Puckett Humanism in Medicine, Duke University (2007)
- Outstanding Researcher, Department of Molecular and Cellular Biology, UC-Berkeley (2001)
- Graduated with Honors, Molecular and Cellular Biology, UC-Berkeley (1997)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Heart Association (2012 - present)
- Member, International Society of Adult Congenital Heart Disease (2015 - present)
- Fellow, Society for Cardiovascular Angiography and Interventions (SCAI) (2021 - present)
- Fellow, American College of Cardiology (2023 - present)
- Fellow, American Society of Echocardiography (2023 - present)

PROFESSIONAL EDUCATION

- Board Certification: Adult Echocardiography, National Board of Echocardiography (2016)
- Board Certification: Adult Congenital Heart Disease, American Board of Internal Medicine (2019)
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2016) CA
- Residency: Brigham and Women's Hospital Internal Medicine Residency (2012) MA
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2016)
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2015) CA
- Board Certification: Internal Medicine, American Board of Internal Medicine (2014)
- Medical Education: Duke University School of Medicine (2007) NC

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Adult Congenital Heart Disease

CLINICAL TRIALS

- 2019-06 TRISCEND Study, Recruiting

- ACURATE IDE: Safety and Effectiveness Study of ACURATE Valve for Transcatheter Aortic Valve Replacement, Recruiting
- ALLIANCE: Safety and Effectiveness of the SAPIEN X4 Transcatheter Heart Valve, Recruiting
- Beating Heart Mitral Valve Repair With the HARPOON™ System, Recruiting
- Clinical Trial to Evaluate the Safety and Effectiveness of Using the Tendyne Transcatheter Mitral Valve System for the Treatment of Symptomatic Mitral Regurgitation, Recruiting
- Edwards CLASP TR EFS, Recruiting
- Edwards PASCAL CLASP IID/IIF Pivotal Clinical Trial, Recruiting
- MitraClip REPAIR MR Study, Recruiting
- Percutaneous or Surgical Repair In Mitral Prolapse And Regurgitation for #60 Year-olds (PRIMARY), Recruiting
- PROGRESS: Management of Moderate Aortic Stenosis by Clinical Surveillance or TAVR, Recruiting
- Reducing Lung Congestion Symptoms in Advanced Heart Failure, Recruiting
- Transcatheter Mitral Valve Replacement With the Medtronic Intrepid™ TMVR System in Patients With Severe Symptomatic Mitral Regurgitation., Recruiting
- CE Mark Study for the Harpoon Medical Device, Not Recruiting
- TRISCEND II Pivotal Trial, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Adult Congenital Heart Disease (Fellowship Program)
- Cardiovascular Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Mortality and morbidity after combined heart and liver transplantation in the failing Fontan: An updated dual center retrospective study.** *Clinical transplantation*
Vaikunth, S. S., Ortega-Legaspi, J. M., Conrad, D. R., Chen, S., Daugherty, T., Haeffele, C. L., Teuteberg, J., Mclean, R., MacArthur, J. W., Woo, Y. J., Maeda, K., Ma, M., Nasirov, et al
2024; 38 (4): e15302
- **Hepatocellular carcinoma in survivors after Fontan operation: a case-control study.** *European heart journal*
Kim, Y. Y., Lluri, G., Haeffele, C., Daugherty, T., Krasuski, R. A., Serfas, J. D., de Freitas, R. A., Porlier, A., Lubert, A. M., Wu, F. M., Valente, A. M., Krieger, E. V., Buber, et al
2023
- **Echocardiographic Outcomes With Transcatheter Edge-to-Edge Repair for Degenerative Mitral Regurgitation in Prohibitive Surgical Risk Patients.** *JACC. Cardiovascular imaging*
Marcoff, L., Koulogiannis, K., Aldaia, L., Mediratta, A., Chadderdon, S. M., Makar, M. M., Ruf, T. F., Gößler, T., Zaroff, J. G., Leung, G. K., Ku, I. A., Nabauer, M., Grayburn, et al
2023
- **Transfemoral tricuspid valve replacement and one-year outcomes: the TRISCEND study.** *European heart journal*
Kodali, S., Hahn, R. T., Makkar, R., Makar, M., Davidson, C. J., Puthumana, J. J., Zahr, F., Chadderdon, S., Fam, N., Ong, G., Yadav, P., Thourani, V., Vannan, et al
2023
- **Patient-Reported Outcomes in Tricuspid Valve Intervention: Patient Preference Results From the TRISCEND II Trial**
Brener, M., Barker, C., Davidson, C., Narang, A., Sharma, R., Haeffele, C., Yadav, P., Thourani, V., Kodali, S., Hahn, R., Makkar, R., Makar, M., Hausleiter, et al
ELSEVIER SCIENCE INC.2023: B289-B290
- **Emergency Transcatheter Repair for Anterior Leaflet Tear Following Percutaneous Balloon Mitral Valvuloplasty.** *JACC. Case reports*
Dowling, C., Haeffele, C., Yeung, A. C., Sharma, R. P.

2023; 23: 101980

● **CHARACTERISTICS AND OUTCOMES OF HEPATOCELLULAR CARCINOMA IN THE FONTAN SURVIVOR: A MULTICENTER RETROSPECTIVE STUDY EXAMINING LIVER OUTCOMES**

Rosenthal, B. E., Kim, Y. Y., Nyman, A., Lluri, G., Haeffele, C., De Freitas, R. A., Lubert, A., Krasuski, R., Wu, F., Krieger, E., Saraf, A., Earing, M., Lewis, et al
LIPPINCOTT WILLIAMS & WILKINS.2023: S1810-S1811

● **Fontan Associated Liver Disease: Canary in the Coal Mine or Silent Killer?** *Journal of the American Heart Association*

Haeffele, C., McElhinney, D. B.
2023: e031597

● **The Resilient Heart: Exploring Post-Traumatic Stress in Adult Patients With Congenital Heart Disease.** *The American journal of cardiology*

Haeffele, C., Sillman, C.
2023

● **Percutaneous Treatment of an Aorto-Right Ventricular Fistula Following Balloon-Expandable Transcatheter Aortic Valve Replacement.** *JACC. Case reports*

Dowling, C., Haeffele, C., Pogatchnik, B. P., Sharma, R. P.
2023; 18: 101906

● **Morbidity and Mortality in Adult Fontan Patients After Heart or Combined Heart-Liver Transplantation.** *Journal of the American College of Cardiology*

Lewis, M. J., Reardon, L. C., Aboulhosn, J., Haeffele, C., Chen, S., Kim, Y., Fuller, S., Forbess, L., Alshawabkeh, L., Urey, M. A., Book, W. M., Rodriguez, F., Menachem, et al
2023; 81 (22): 2161-2171

● **Clinical Outcomes of Adult Fontan-Associated Liver Disease and Combined Heart-Liver Transplantation.** *Journal of the American College of Cardiology*

Lewis, M. J., Reardon, L. C., Aboulhosn, J., Haeffele, C., Chen, S., Kim, Y., Fuller, S., Forbess, L., Alshawabkeh, L., Urey, M. A., Book, W. M., Rodriguez, F., Menachem, et al
2023; 81 (22): 2149-2160

● **Outcomes After Development of Ventricular Arrhythmias in Single Ventricular Heart Disease Patients With Fontan Palliation.** *Circulation. Arrhythmia and electrophysiology*

Giacone, H. M., Chubb, H., Dubin, A. M., Motonaga, K. S., Ceresnak, S. R., Goodyer, W. R., Hanish, D., Trela, A. V., Boramanand, N., Lencioni, E., Boothroyd, D., Graber-Naidich, A., Wright, et al
2023: e011143

● **First described mitral clip in an adult extracardiac Fontan patient: a case report.** *European heart journal. Case reports*

Haeffele, C. L., Lui, G. K., Peng, L., Chan, F., Sharma, R. P.
2023; 7 (1): ytac479

● **Arrhythmias in Repaired Tetralogy of Fallot: A Scientific Statement From the American Heart Association.** *Circulation. Arrhythmia and electrophysiology*

Krieger, E. V., Zeppenfeld, K., DeWitt, E. S., Duarte, V. E., Egbe, A. C., Haeffele, C., Lin, K. Y., Robinson, M. R., Sillman, C., Upadhyay, S.
2022: e000084

● **Extracorporeal membrane oxygenator as a bridge to heart-liver en bloc transplant in a patient with Fontan circulation.** *JTCVS techniques*

Kim, J. L., Vaikunth, S. S., Haeffele, C., MacArthur, J. W.
2022; 12: 171-174

● **The atrial switch patient with a dilated subpulmonic left ventricle (vol 4,100153, 2021)** *INTERNATIONAL JOURNAL OF CARDIOLOGY CONGENITAL HEART DISEASE*

Vaikunth, S. S., Haeffele, C., McElhinney, D. B., Lui, G. K., Romfh, A. W.
2021; 5

● **A 40-Year-Old Man With Tricuspid Atresia, Status Post-Fontan, With Severe COVID-19 Pneumonia and Pneumothorax.** *JACC. Case reports*

Vaikunth, S. S., Bykhovsky, M. R., Romfh, A. W., Haeffele, C. L., Rogers, I. S., Dong, E., Scribner, C., Lui, G. K.
2021

● **The atrial switch patient with a dilated subpulmonic left ventricle** *International Journal of Cardiology Congenital Heart Disease*

Vaikunth, S. S., Haeffele, C., McElhinney, D. B., Lui, G. K., Romfh, A.
2021; Volume 4 (100153)

- **Adult congenital heart disease: left-sided obstructive lesions.** *Heart (British Cardiac Society)*
Haeffele, C.
2021
- **Clinical Outcomes, Echocardiographic Findings, and Care Quality Metrics for People Living with HIV and Rheumatic Heart Disease in Uganda.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Chang, A. Y., Rwebembera, J., Bendavid, E., Okello, E., Barry, M., Beaton, A. Z., Haeffele, C., Webel, A. R., Kityo, C., Longenecker, C. T.
2021
- **Comparison of combined heart#liver vs heart-only transplantation in pediatric and young adult Fontan recipients.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Sganga, D., Hollander, S. A., Vaikunth, S., Haeffele, C., Bensen, R., Navaratnam, M., McDonald, N., Profita, E., Maeda, K., Concepcion, W., Bernstein, D., Chen, S.
2020
- **Does liver biopsy accurately measure fibrosis in Fontan associated liver disease? A comparison of liver biopsy pre-combined heart and liver transplant and liver explant post-transplant.** *Clinical transplantation*
Vaikunth, S. S., Higgins, J. P., Concepcion, W., Haeffele, C., Wright, G. E., Chen, S., Lui, G. K., Daugherty, T.
2020: e14120
- **Outcomes of Heart and Combined Heart-Liver Transplant in Pediatric Fontan Patients**
Chen, S., Bensen, R., Profita, E., McDonald, N., Lui, G., Haeffele, C., Rosenthal, D. N., Bernstein, D., Maeda, K., Concepcion, W., Hollander, S.
ELSEVIER SCIENCE INC.2020: S453–S454
- **MORBIDITY AND MORTALITY IN ADULT FONTAN PATIENTS REFERRED FOR TRANSPLANT: A REPORT FROM THE FOSTER STUDY**
Lewis, M. J., Haeffele, C., Chen, S., Reardon, L., Aboulhosn, J. A., Nugaeva, N., Ross, H., Kim, Y., Krasuski, R. A., Valente, A., Carazo, M., Krieger, E., Angiulo, et al
ELSEVIER SCIENCE INC.2020: 546
- **CLINICAL CHARACTERISTICS OF "FAILING" ADULT FONTAN PATIENTS ACROSS 14 CENTERS: A REPORT FROM THE FOSTER STUDY**
Lewis, M. J., Haeffele, C., Chen, S., Reardon, L., Aboulhosn, J. A., Nugaeva, N., Ross, H., Kim, Y., Krasuski, R. A., Valente, A., Carazo, M., Krieger, E., Angiulo, et al
ELSEVIER SCIENCE INC.2020: 553
- **MORBIDITY AND MORTALITY IN ADULT FONTAN PATIENTS AFTER HEART OR COMBINED HEART LIVER TRANSPLANT: A REPORT FROM THE FOSTER STUDY**
Lewis, M. J., Reardon, L., Aboulhosn, J. A., Haeffele, C., Chen, S., Kim, Y., Book, W., Rodriguez, F., Valente, A., Carazo, M., Krieger, E., Angiulo, J., Egbe, et al
ELSEVIER SCIENCE INC.2020: 653
- **Heart failure in the adult Ebstein patient.** *Heart failure reviews*
Schultz, K. n., Haeffele, C. L.
2020
- **Predicting 10-year mortality in adults with congenital heart disease** *International Journal of Cardiology Congenital Heart Disease*
Fernandes, S. M., Lui, G. K., Long, J., Lin, A., Rogers, I. S., Sillman, C., Romfh, A., Dade, T., Dong, E., Haeffele, C., Scribner, C., Major, M., McElhinney, et al
2020
- **The Hidden Victims of the COVID-19 Pandemic: Congenital Heart Disease Patients.** *JACC. Case reports*
El-Saiedi, S. A., Haeffele, C. n., Hanna, B. M., Lui, G. K.
2020; 2 (9): 1411–13
- **Fontan Liver Lesions: Not Always HCC** *JACC: Case Reports*
Haeffele, C., Aggarwal, A., Lutchman, G., Veldtman, G. R., Lui, G. K.
2020; 1 (12)
- **Percutaneous Pulmonary Vein Stenting to Treat Severe Pulmonary Vein Stenosis After Surgical Reconstruction.** *Innovations (Philadelphia, Pa.)*
Dalal, A. R., Markham, R. n., Haeffele, C. n., Sharma, R. n., Watkins, A. C.
2020: 1556984520933962
- **Fontan Liver Lesions: Not Always HCC.** *JACC. Case reports*
Haeffele, C., Aggarwal, A., Lutchman, G., Veldtman, G. R., Wu, F. M., Lui, G. K.

2019; 1 (2): 175-178

- **Risk Estimates for Atherosclerotic Cardiovascular Disease in Adults With Congenital Heart Disease** *AMERICAN JOURNAL OF CARDIOLOGY*
Lui, G. K., Rogers, I. S., Ding, V. Y., Hedlin, H. K., MacMillen, K., Maron, D. J., Sillman, C., Romfh, A., Dade, T. C., Haeffele, C., Grady, S. R., McElhinney, D. B., Murphy, et al
2017; 119 (1): 112-118
- **UTILIZATION OF SPECIALTY CARE CENTERS IN CALIFORNIA FOR LABOR AND DELIVERY IN WOMEN WITH CONGENITAL HEART DISEASE**
Haeffele, C., Lui, G., Saynina, O., Grady, S., Chamberlain, L., Fernandes, S.
ELSEVIER SCIENCE INC.2016: 950
- **Dextro-Transposition of the Great Arteries Long-term Sequelae of Atrial and Arterial Switch** *CARDIOLOGY CLINICS*
Haeffele, C., Lui, G. K.
2015; 33 (4): 543-?
- **Receptor-selective coactivators as tools to define the biology of specific receptor-coactivator pairs** *MOLECULAR CELL*
Gaillard, S., Grasfeder, L. L., Haeffele, C. L., Lobenhofer, E. K., Chu, T., Wolfinger, R., Kazmin, D., Koves, T. R., Muoio, D. M., Chang, C., McDonnell, D. P.
2006; 24 (5): 797-803