

Stanford



Sharon Chen

Clinical Assistant Professor, Pediatrics - Cardiology

CLINICAL OFFICES

- **Pediatric Cardiology**

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Bio

CLINICAL FOCUS

- Heart Failure
- Heart Transplantation
- Mechanical Circulatory Support
- Pediatric Cardiology

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Pediatrics - Cardiology
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University (2015) CA
- Senior Fellowship, Stanford University , Pediatric Heart Failure/Transplant (2015)
- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2014)
- Fellowship, Stanford University , Pediatric Cardiology (2014)
- Chief Residency, UCSF , Pediatrics (2011)
- Board Certification: Pediatrics, American Board of Pediatrics (2010)
- Residency, UCSF , Pediatrics (2010)
- Medical Education: University of California at San Francisco School of Medicine (2006) CA
- MD, UCSF (2006)
- MPH, UC Berkeley , Epidemiology and Biostatistics (2005)
- Bachelor of Arts, Stanford University (2001)

Research & Scholarship

CLINICAL TRIALS

- Inhaled Tissue Plasminogen Activator for Acute Plastic Bronchitis, Recruiting

Publications

PUBLICATIONS

- **The use of prothrombin complex concentrate as a warfarin reversal agent in pediatric patients undergoing orthotopic heart transplantation.** *Paediatric anaesthesia*
Sisti, D., Williams, G. D., Ding, V., Long, J., Maeda, K., Chen, S., Navaratnam, M.
2020
- **ISHLT consensus statement on donor organ acceptability and management in pediatric heart transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Kirk, R., Dipchand, A. I., Davies, R. R., Miera, O., Chapman, G., Conway, J., Denfield, S., Gossett, J. G., Johnson, J., McCulloch, M., Schweiger, M., Zimpfer, D., Ablonczy, et al
2020
- **Palliative Care Engagement for Pediatric Ventricular Assist Device Patients: A Single-Center Experience.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
Knoll, C., Kaufman, B., Chen, S., Murray, J., Cohen, H., Sourkes, B. M., Rosenthal, D. N., Hollander, S. A.
2019
- **Usefulness of anti-platelet therapy testing in children supported with a ventricular assist device** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
May, L. J., Liu, X., Tesoro, T., Yang, J., Lo, C., Chen, S., Murray, J., Rosenthal, D. N., Massicotte, P., Michelson, A. D., Almond, C. S.
2019; 38 (7): 781–83
- **A Quality Bundle to Support High-Risk Pediatric Ventricular Assist Device Implantation.** *Pediatric cardiology*
Knoll, C., Chen, S., Murray, J. M., Dykes, J. C., Yarlagadda, V. V., Rosenthal, D. N., Almond, C. S., Maeda, K., Shin, A. Y.
2019
- **Outcomes After Infections in Adolescents and Young Adults with Continuous-Flow Left Ventricular Assist Devices** *ASAIO JOURNAL*
Chen, S., Cantor, R. S., Auerbach, S., Schumacher, K., Almond, C. S., Eghtesady, P., Alejos, J., Das, B. B., Hong, B. J., Jaquiss, R. B., Kirklin, J. K., Jeewa, A.
2019; 65 (4): 380–88
- **Compassionate deactivation of ventricular assist devices in children: A survey of pediatric ventricular assist device clinicians' perspectives and practices** *PEDIATRIC TRANSPLANTATION*
Kaufman, B. D., Hollander, S. A., Zhang, Y., Chen, S., Bernstein, D., Rosenthal, D. N., Almond, C. S., Murray, J. M., Burgart, A. M., Cohen, H. J., Kirkpatrick, J. N., Blume, E. D.
2019; 23 (3)
- **Usefulness of anti-platelet therapy testing in children supported with a ventricular assist device.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
May, L. J., Liu, X., Tesoro, T., Yang, J., Lo, C., Chen, S., Murray, J., Rosenthal, D. N., Michelson, A. D., Almond, C. S.
2019
- **Outcomes of children supported with an intracorporeal continuous-flow left ventricular assist system** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
VanderPluym, C. J., Adachi, I., Niebler, R., Griffiths, E., Fynn-Thompson, F., Chen, S., O'Connor, M. J., Machado, D., Hawkins, B., Bleiweis, M. S., Koehl, D. A., Cantor, R. S., Morales, et al
2019; 38 (4): 385–93
- **Bridge to Transplant with Ventricular Assist Device Support in Pediatric Patients with Single Ventricle Heart Disease.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
Chen, S., Rosenthal, D. N., Murray, J., Dykes, J. C., Almond, C. S., Yarlagadda, V. V., Wright, G., Navaratnam, M., Reinhartz, O., Maeda, K.
2019

- **Compassionate deactivation of ventricular assist devices in children: A survey of pediatric ventricular assist device clinicians' perspectives and practices.** *Pediatric transplantation*
Kaufman, B. D., Hollander, S. A., Zhang, Y., Chen, S., Bernstein, D., Rosenthal, D. N., Almond, C. S., Murray, J. M., Burgart, A. M., Cohen, H. J., Kirkpatrick, J. N., Blume, E. D.
2019; e13359
- **Fontan-associated protein-losing enteropathy and post-heart transplant outcomes: A multicenter study.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Schumacher, K. R., SunkyungYu, Butts, R., Castleberry, C., Chen, S., Edens, E., Godown, J., Johnson, J., Kemna, M., Lin, K., Lowery, R., Simpson, K., West, S., et al
2018
- **Outcomes of children supported with an intracorporeal continuous-flow left ventricular assist system.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
VanderPluym, C. J., Adachi, I., Niebler, R., Griffiths, E., Fynn-Thompson, F., Chen, S., O'Connor, M. J., Machado, D., Hawkins, B., Bleiweis, M. S., Koehl, D. A., Cantor, R. S., Morales, et al
2018
- **THE DEVELOPMENT AND EFFICACY OF A PEDIATRIC CARDIOLOGY FELLOWSHIP ONLINE PREPARATORY COURSE**
Motonaga, K., Sacks, L., Olson, I., Balasubramanian, S., Chen, S., Peng, L., Feinstein, J., Silverman, N., Hanley, F., Axelrod, D., Krawczeski, C., Ceresnak, S.
ELSEVIER SCIENCE INC.2018: 2622
- **Outcomes After Infections in Adolescents and Young Adults with Continuous-Flow Left Ventricular Assist Devices.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
Chen, S., Cantor, R. S., Auerbach, S., Schumacher, K., Almond, C. S., Eghtesady, P., Alejos, J., Das, B. B., Hong, B. J., Jaquiss, R., Kirklin, J. K., Jeewa, A.
2018
- **Impact of Heart Transplantation on the Functional Status of US Children With End-Stage Heart Failure.** *Circulation*
Peng, D. M., Zhang, Y., Rosenthal, D. N., Palmon, M., Chen, S., Kaufman, B. D., Maeda, K., Hollander, S. A., McDonald, N., Smoot, L. B., Bernstein, D., Almond, C. S.
2017; 135 (10): 939-950
- **Functional status of United States children supported with a left ventricular assist device at heart transplantation.** *journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Bulic, A., Maeda, K., Zhang, Y., Chen, S., McElhinney, D. B., Dykes, J. C., Hollander, A. M., Hollander, S. A., Murray, J., Reinhartz, O., Gowan, M. A., Rosenthal, D. N., Almond, et al
2017
- **Long-term pediatric ventricular assist device therapy: a case report of 2100+ days of support.** *ASAIO journal*
Purkey, N. J., Lin, A., Murray, J. M., Gowen, M., Shuttleworth, P., Maeda, K., Almond, C. S., Rosenthal, D. N., Chen, S.
2017
- **Rehospitalization after pediatric heart transplantation: Incidence, indications, and outcomes.** *Pediatric transplantation*
Hollander, S. A., McElhinney, D. B., Almond, C. S., McDonald, N., Chen, S., Kaufman, B. D., Bernstein, D., Rosenthal, D. N.
2017; 21 (1)
- **The End of Life Experience of Pediatric Heart Transplant Recipients.** *Journal of pain and symptom management*
Hollander, S. A., Dykes, J., Chen, S., Barkoff, L., Sourkes, B., Cohen, H., Rosenthal, D. N., Bernstein, D., Kaufman, B. D.
2017
- **Temporary Circulatory Support in U.S. Children Awaiting Heart Transplantation.** *Journal of the American College of Cardiology*
Yarlagadda, V. V., Maeda, K., Zhang, Y., Chen, S., Dykes, J. C., Gowen, M. A., Shuttleworth, P., Murray, J. M., Shin, A. Y., Reinhartz, O., Rosenthal, D. N., McElhinney, D. B., Almond, et al
2017; 70 (18): 2250-60
- **Impact of a modified anti-thrombotic guideline on stroke in children supported with a pediatric ventricular assist device.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Rosenthal, D. N., Lancaster, C. A., McElhinney, D. B., Chen, S., Stein, M., Lin, A., Doan, L., Murray, J. M., Gowan, M. A., Maeda, K., Reinhartz, O., Almond, C. S.
2017

- **Haemodynamic profiles of children with end-stage heart failure.** *European heart journal*
Chen, S., Dykes, J. C., McElhinney, D. B., Gajarski, R. J., Shin, A. Y., Hollander, S. A., Everitt, M. E., Price, J. F., Thiagarajan, R. R., Kindel, S. J., Rossano, J. W., Kaufman, B. D., May, et al
2017; 38 (38): 2900-2909
- **Rehospitalization Patterns in Pediatric Outpatients with Continuous Flow VADs.** *ASAIO journal*
Hollander, S. A., Chen, S., Murray, J. M., Lin, A., McBrearty, E., Almond, C. S., Rosenthal, D. N.
2016
- **Electrocardiographic repolarization abnormalities and increased risk of life-threatening arrhythmias in children with dilated cardiomyopathy** *HEART RHYTHM*
Chen, S., Motonaga, K. S., Hollander, S. A., Almond, C. S., Rosenthal, D. N., Kaufman, B. D., May, L. J., Avasarala, K., Dao, D. T., Dubin, A. M., Ceresnak, S. R.
2016; 13 (6): 1289-1296
- **Impact of ventricular assist device placement on longitudinal renal function in children with end-stage heart failure.** *journal of heart and lung transplantation*
May, L. J., Montez-Rath, M. E., Yeh, J., Axelrod, D. M., Chen, S., Maeda, K., Almond, C. S., Rosenthal, D. N., Hollander, S. A., Sutherland, S. M.
2016; 35 (4): 449-456
- **Outpatient Outcomes of Pediatric Patients with Left Ventricular Assist Devices.** *ASAIO journal*
Chen, S., Lin, A., Liu, E., Gowan, M., May, L. J., Doan, L. N., Almond, C. S., Maeda, K., Reinhartz, O., Hollander, S. A., Rosenthal, D. N.
2016; 62 (2): 163-168
- **A novel pediatric treatment intensity score: development and feasibility in heart failure patients with ventricular assist devices.** *journal of heart and lung transplantation*
May, L. J., Ploutz, M., Hollander, S. A., Reinhartz, O., Almond, C. S., Chen, S., Maeda, K., Kaufman, B. D., Yeh, J., Rosenthal, D. N.
2015; 34 (4): 509-515
- **Quality of life and metrics of achievement in long-term adult survivors of pediatric heart transplant.** *Pediatric transplantation*
Hollander, S. A., Chen, S., Luikart, H., Burge, M., Hollander, A. M., Rosenthal, D. N., Maeda, K., Hunt, S. A., Bernstein, D.
2015; 19 (1): 76-81
- **Reliability of echocardiographic measurements of left ventricular systolic function in potential pediatric heart transplant donors.** *journal of heart and lung transplantation*
Chen, S., Selamet Tierney, E. S., Khush, K. K., Nguyen, J., Goldstein, B. A., May, L. J., Hollander, S. A., Kaufman, B. D., Rosenthal, D. N.
2015; 34 (1): 100-106
- **Feasibility of neonatal pulse wave velocity and association with maternal hemoglobin a1c.** *Neonatology*
Chen, S., Chetty, S., Lowenthal, A., Evans, J. M., Vu, C., Stauffer, K. J., Lyell, D., Selamet Tierney, E. S.
2015; 107 (1): 20-26
- **Feasibility of Neonatal Pulse Wave Velocity and Association with Maternal Hemoglobin A(1c)** *NEONATOLOGY*
Chen, S., Chetty, S., Lowenthal, A., Evans, J. M., Vu, C., Stauffer, K. J., Lyell, D., Tierney, E. S.
2015; 107 (1): 20-26
- **HLA desensitization with bortezomib in a highly sensitized pediatric patient** *PEDIATRIC TRANSPLANTATION*
May, L. J., Yeh, J., Maeda, K., Tyan, D. B., Chen, S., Kaufman, B. D., Bernstein, D., Rosenthal, D. N., Hollander, S. A.
2014; 18 (8): E280-E282
- **HLA desensitization with bortezomib in a highly sensitized pediatric patient.** *Pediatric transplantation*
May, L. J., Yeh, J., Maeda, K., Tyan, D. B., Chen, S., Kaufman, B. D., Bernstein, D., Rosenthal, D. N., Hollander, S. A.
2014; 18 (8): E280-2
- **Successful bridge to transplant with a continuous flow ventricular assist device in a single ventricle patient with an aortopulmonary shunt.** *ASAIO journal*
Lal, A. K., Chen, S., Maeda, K., McCammond, A., Rosenthal, D. N., Reinhartz, O., Yeh, J.
2014; 60 (1): 119-121
- **How useful are B-type natriuretic peptide measurements for monitoring changes in patent ductus arteriosus shunt magnitude?** *JOURNAL OF PERINATOLOGY*
Chen, S., Tacy, T., Clyman, R.

2010; 30 (12): 780-785

● **Prenatal diagnosis of primary pulmonary hypoplasia in fraternal twins** *ULTRASOUND IN OBSTETRICS & GYNECOLOGY*

Chen, S., Ursell, P. C., Adata, I., Hislop, A. A., Giannikopoulos, P., Hornberger, L. K.

2010; 35 (1): 113-16