

Significant Publications

Wilmot I, Lorts A, Morales D. Pediatric Mechanical Circulatory Support. *Korean J Thorac Cardiovasc Surg.* 2013 Dec;46(6):391-401.

There are increasing numbers of children in the United States living with heart failure. For those children living with severe heart failure not responsive to current medications, a mechanical heart pump may be a life-saving option. We discuss the increasing number of mechanical heart pumps available to children, infants, and neonates. These mechanical heart pumps may be used temporarily, allowing the heart to recover after an injury, or long-term, supporting children until a heart transplant. Technological advances have allowed many of these pumps to be miniaturized allowing children the ability to walk, play, and often return to home and school. These mechanical heart pumps have provided this increasing population with a new lease on life.

Division Summary

RESEARCH AND TRAINING DETAILS

Number of Faculty	3
Number of Research Fellows	2
Number of Support Personnel	7
Peer Reviewed Publications	12

CLINICAL ACTIVITIES AND TRAINING

Number of Clinical Staff	18
Number of Clinical Fellows	1
Number of Other Students	1
Inpatient Encounters	440
Outpatient Encounters	1,838

Division Publications

1. Aldoss O, Arain NI, Vinocur JM, Menk J, Ameduri RK, Bryant R, 3rd, Kochilas LK, Gruenstein DH. **Frequency of superior vena cava obstruction in pediatric heart transplant recipients and its relation to previous superior cavopulmonary anastomosis.** *Am J Cardiol.* 2013; 112:286-91.
2. Cabrera AG, Sundareswaran KS, Samayoa AX, Jeewa A, McKenzie ED, Rossano JW, Farrar DJ, Frazier OH, Morales DL. **Outcomes of pediatric patients supported by the HeartMate II left ventricular assist device in the United States.** *J Heart Lung Transplant.* 2013; 32:1107-13.
3. Ezon DS, Khan MS, Adachi I, Jeewa A, Morris SA, Nagy CZ, Morales DL, Heinle JS. **Pediatric ventricular assist device use as a bridge to transplantation does not affect long-term quality of life.** *J Thorac Cardiovasc Surg.* 2014; 147:1334-43.
4. Hayes D, Jr., Yates AR, Duffy VL, Tobias JD, Mansour HM, Olshove VF, Jr., Preston TJ. **Rapid placement of bicaval dual-lumen catheter in a swine model of venovenous ECMO.** *J Invest Surg.* 2014; 27:27-31.
5. Lorts A, Zafar F, Adachi I, Morales DL. **Mechanical assist devices in neonates and infants.** *Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu.* 2014; 17:91-5.
6. Lowry AW, Morales DL, Graves DE, Knudson JD, Shamszad P, Mott AR, Cabrera AG, Rossano JW. **Characterization of extracorporeal membrane oxygenation for pediatric cardiac arrest in the United States: analysis of the kids' inpatient database.** *Pediatr Cardiol.* 2013; 34:1422-30.
7. Mulukutla V, Franklin WJ, Villa CR, Morales DL. **Surgical device therapy for heart failure in the adult with congenital heart disease.** *Heart Fail Clin.* 2014; 10:197-206.

8. Niu MC, Morris SA, Morales DL, Fraser CD, Jr., Kim JJ. **Low incidence of arrhythmias in the right ventricular infundibulum sparing approach to tetralogy of Fallot repair.** *Pediatr Cardiol.* 2014; 35:261-9.
9. Olabiyi O, Kearney D, Krishnamurthy R, Morales D, Cabrera AG. **First description of coronary artery ostial atresia with fistulous origin from a normal right ventricle.** *Pediatr Cardiol.* 2013; 34:1877-81.
10. Rodriguez FH, 3rd, Moodie DS, Parekh DR, Franklin WJ, Morales DL, Zafar F, Adams GJ, Friedman RA, Rossano JW. **Outcomes of heart failure-related hospitalization in adults with congenital heart disease in the United States.** *Congenit Heart Dis.* 2013; 8:513-9.
11. Ryan TD, Jefferies JL, Sawnani H, Wong BL, Gardner A, Del Corral M, Lorts A, Morales DL. **Implantation of the HeartMate II and HeartWare left ventricular assist devices in patients with duchenne muscular dystrophy: lessons learned from the first applications.** *ASAIO J.* 2014; 60:246-8.
12. Wilmot I, Lorts A, Morales D. **Pediatric Mechanical Circulatory Support.** *Korean J Thorac Cardiovasc Surg.* 2013; 46:391-401.

Faculty, Staff, and Trainees

Faculty Members

David L. S. Morales, MD, Professor

Leadership Director and Chief, Division of Cardiothoracic Surgery

Roosevelt Bryant III, MD, Assistant Professor

Vincent Olshove, CCP, FPP, Instructor

Clinical Staff Members

- **Traci Ashcraft, PA-C**
- **Lindsay Pilgrim Galchick, PA-C**
- **Lauara Jansen, PA-C**
- **John P. Lombardi, CCP**,
Associate Director, Cardiovascular Perfusion
- **James A. Reagor, BS, CCP**,
Director, Cardiovascular Perfusion
- **Alicia Wilmoth, PA-C**

Trainees

- **Muhammad Shoaib Khan, MD**, Texas Children's Hospital/Baylor College of Medicine
- **Naritaka Kimura, MD, PhD**, University of Michigan
- **Farhan Zafar, MD**, Baylor College of Medicine