Mechanical Circulatory Support (MCS) in ACHD* Patients

**MCS MAY HELP ACHD* PATIENTS WITH HEART FAILURE**

- as a way to survive to transplant
- as a form of chronic therapy

**GOALS WHEN ON MCS**

- Go home: 89% are discharged
- Feel better: MCS improves quality of life and symptoms
- Get stronger: MCS improves exercise tolerance
- Go back to work/school

**ACHD* PATIENTS WITH MCS HAVE A SURVIVAL RATE TO ONE YEAR**

- 72%

**RATES OF MOST COMMON COMPLICATIONS**

- Infection: 9%
- Abnormal heart rhythm: 5%
- Bleeding requiring therapy: 6%
- Stroke: 2%

*Adult Congenital Heart Disease*
Sources  (Data based on patients ages 21 and older)

Heart transplantation with or without prior mechanical circulatory support in adults with congenital heart disease.

Impact of Durable Ventricular Assist Device Support on Outcomes of Patients with Congenital Heart Disease Waiting for Heart Transplant.
Cedars A, ASAIO J. 2019

An Interagency Registry for Mechanically Assisted Circulatory Support (INTERMACS) analysis of hospitalization, functional status, and mortality after mechanical circulatory support in adults with congenital heart disease.
Cedars A, J Heart Lung Transplant. 2018

Outcomes following implantation of mechanical circulatory support in adults with congenital heart disease:
An analysis of the Interagency Registry for Mechanically Assisted Circulatory Support (INTERMACS).
VanderPluym CJ, J Heart Lung Transplant. 2018

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