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Owner Elan Moreno

Policy Area VAD & MCS Guidelines

Applicability Ronald Reagan UCLA Medical Center

Reference Lippincott
Tags



Selection Criteria For MCS – Bridge To Transplantation, MCS 2.0

PURPOSE:

To provide written selection criteria in determining patient suitability for mechanical circulatory support as a bridge to transplantation

POLICY:

- A. Implantation of Mechanical Circulatory Support (MCS) Devices as a bridge to transplantation is a treatment option for many forms of end-stage cardiac disease when heart transplantation is an option. Besides improving life expectancy, goals of MCS therapy include returning recipients to functional, productive lives and acceptable quality of life.
- B. A selection committee composed of cardiac surgeons, cardiologists, MCS coordinators, psychiatrists, social workers, pulmonologists, infectious disease specialists, dietitians, advance care planning / palliation experts and other involved professionals meets weekly to determine the candidacy of potential MCS recipients.
- C. Candidacy for bridge to transplantation is non-discriminatory and is determined without influence or favoritism based on gender, race, ethnicity, national origin, religion, political influence, social or financial status, educational level, or sexual orientation.
- D. General Acceptance Criteria
 1. Heart Failure Survival Score (HFSS) high-risk category
 2. Peak VO₂ < 12 ml/kg/min if on beta blocker therapy and < 14 ml/kg/min if not on beta blocker therapy after reaching anaerobic threshold

3. NYHA class III/IV heart failure refractory to maximal medical therapy
4. Severely limiting ischemia not amenable to interventional or surgical revascularization
5. Recurrent symptomatic ventricular arrhythmias refractory to medical, ICD and surgical treatment

E. For absolute and relative contraindications, refer to the following transplant policies:

1. Selection Criteria for Adult Heart Transplantation, RR AHT 240
2. Selection Criteria for Pediatric Heart Transplantation, RR PHT 230

ATTACHMENTS:

Attachment A: Selection Criteria for Adult Heart Transplantation, RR AHT 240

Attachment B: Selection Criteria for Pediatric Heart Transplantation, RR PHT 230

Attachment C: Procedure History

Attachment D: New/Revised Procedure Checklist

REFERENCES:

1. Slaughter MS, Pagani FD, Rogers JG, et al. Clinical management of continuous – flow left ventricular assist devices in advanced heart failure. J Heart Lung Transplant 2010; 29: 4S

REVISION HISTORY (Pre-PolicyStat)

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APPROVAL:

Role	Name	Date
Unit Director/ Manager:	Elan Moreno, RN, BSN, CCRN	12/2020
Executive Director:	Laura Yost, Executive Director, Clinical Services	12/2020
Medical Director:	Ali Nsair, MD, Medical Director	12/2020
Surgical Director	Murray Kwon, MD, Surgical Director	12/2020

Attachments

[C: Procedure History](#)

[D: New Revised Procedure Checklist](#)

Approval Signatures

Step Description	Approver	Date
	Fiona Dunne: Adm Crd Ofcr	12/2020
Department Approval	Elan Moreno: Clin Nurse 4	12/2020

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