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A Review: Using Hypothermic Storage System to Improve Heart Transplant Outcomes

Ava Noah*

Department of Cardiothoracic Surgery, Stanford University, California

Abstract

During organ transport, a novel technology known as the Cardiac Transport System provides stable and optimal hypothermic control. The purpose of this study was to compare the results of using the system with those of using the conventional static cold storage method after a heart transplant. 62 and 186 patients underwent primary heart transplantation at Stanford University from 2018 to June 2021, with follow-up through May. All-cause mortality was the primary end point, and postoperative complications were the secondary end points. Kaplan-Meier survival failure necessitating dialysis, postoperative bleeding reoperation, infection, and survival—were comparable [2].

transplantation with preserved and system-transported organs [3]. Even though the total allograft ischemic time was long, the good results may justify implementing a system that accepts organs from faraway locations to broaden the donor pool.

Keywords

Introduction

***Corresponding author:** Ava Noah, Department of Cardiothoracic Surgery, Stanford University, California, E-mail: avo34@gmail.com

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