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### Introduction

Limited data exists regarding patients with LVAD support who require long-term inotropes. The primary objective was to evaluate the clinical characteristics and all-cause mortality of LVAD recipients with prolonged inotrope use (PIU), particularly those requiring outpatient inotropic therapy. Secondary endpoints were to compare preimplant characteristics and predictors of PIU, mortality, time to gastrointestinal bleed, infection and arrhythmias.

### **Methods**

Retrospective cohort study on all adult patients with primary continuous flow LVADs implanted during January 2008 to February 2017 and follow-up through February 2018.

We defined PIU as  $\geq$ 14 days of inotrope support and compared to those who required <14 days. Kaplan-Meier method, competing risk models and Coxproportional hazard models were used and summarized with hazard ratios (HR).

## Clinical characteristics and outcomes of patients requiring prolonged inotropes after LVAD implantation

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Prolonged inotrope use is frequently encountered following LVAD implantation and associated with adverse prognosis but remains a therapeutic option.

