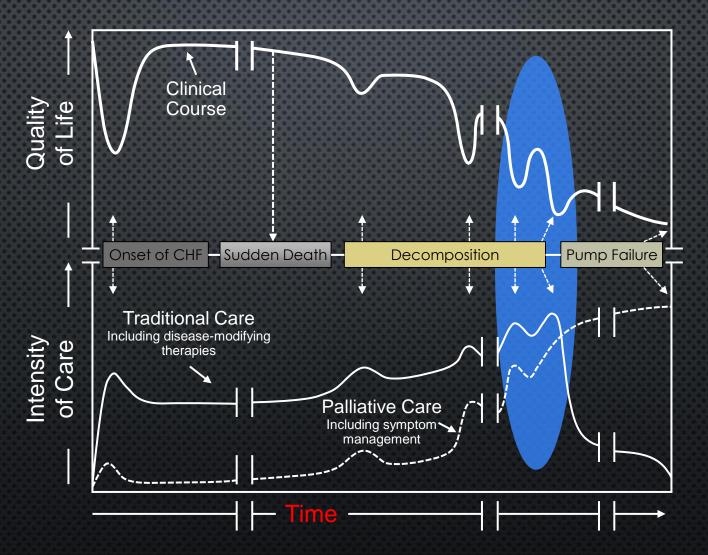
LONG TERM SURVIVAL OF ONE HUNDRED LEFT VENTRICULAR ASSIST DEVICE RECIPIENTS IN HONG KONG

DR. KL WONG

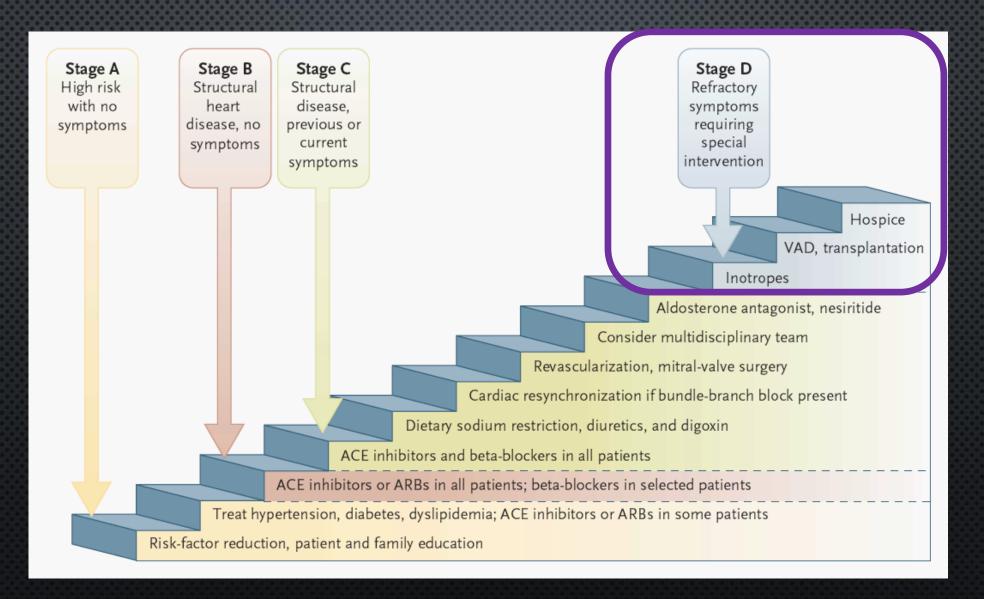
ASSOCIATE CONSULTANT

Grantham Hospital

NATURAL COURSE OF HEART FAILURE



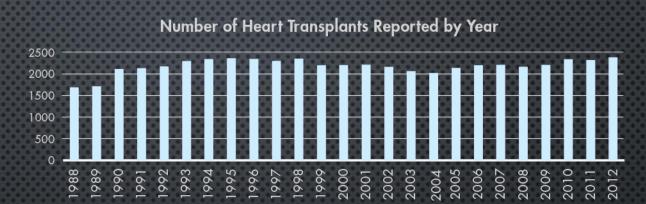
THE TRADITIONAL HF TREATMENT MODEL

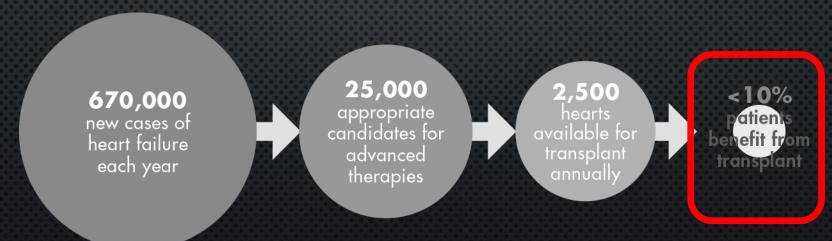


Transplants are considered the 'gold standard,' but the supply of donor hearts is limited

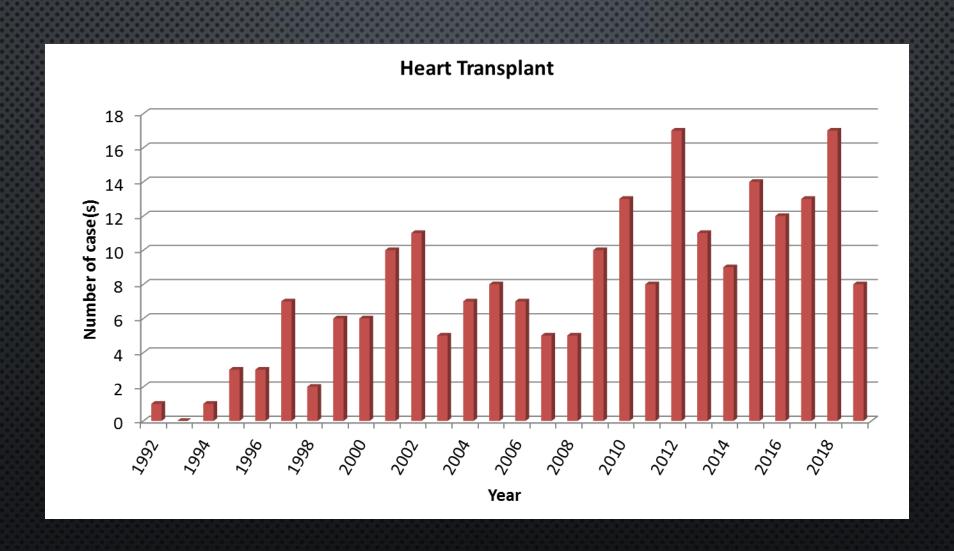
"Proposing heart transplantation to cure heart failure is analogous to proposing the lottery to cure poverty."

- LW Stevenson

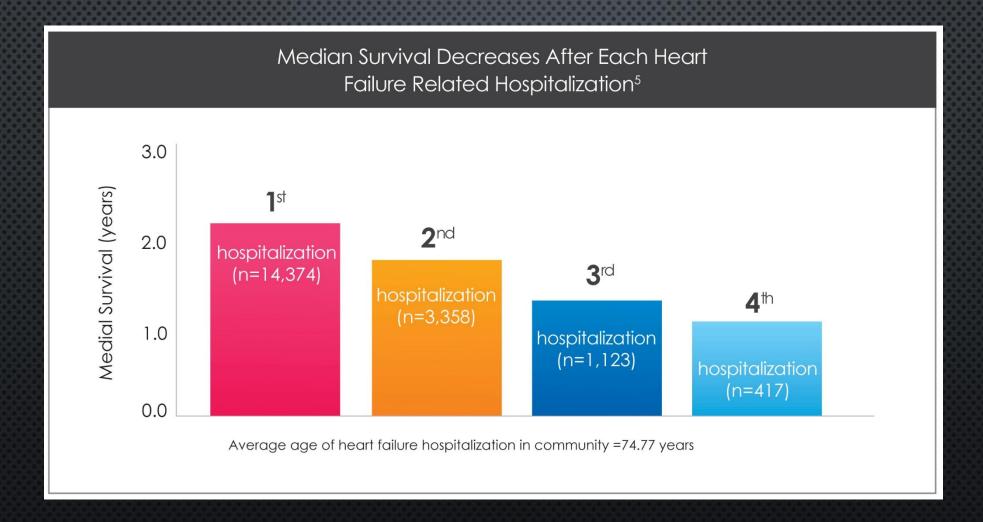




HEART TRANSPLANT PER YEAR



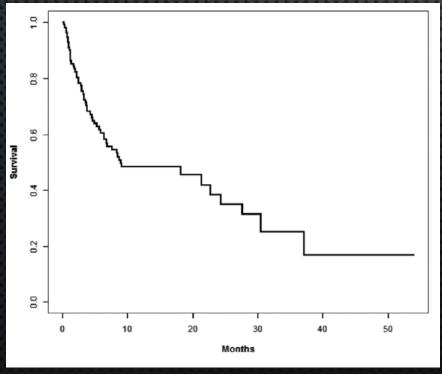
HOSPITALIZATION AND SURVIVAL

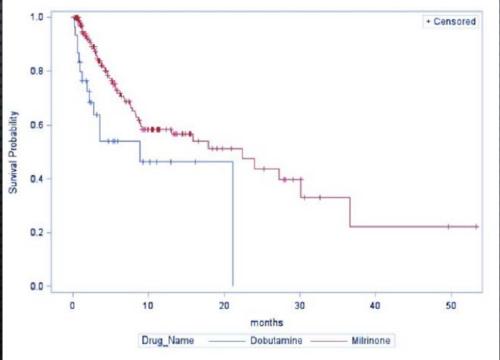


Original Article

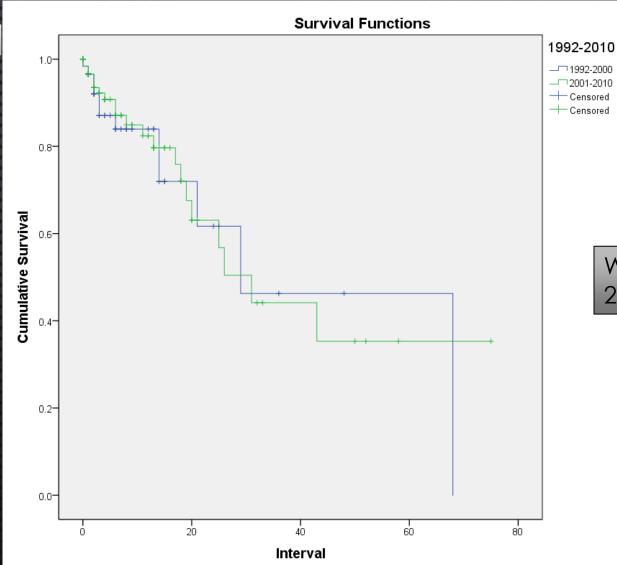
Clinical Characteristics and Outcomes of Intravenous Inotropic Therapy in Advanced Heart Failure

Taimoor Hashim, MD; Kumar Sanam, MD; Marina Revilla-Martinez, MD; Charity J. Morgan, PhD; Jose A. Tallaj, MD; Salpy V. Pamboukian, MD, MSPH; Renzo Y. Loyaga-Rendon, MD, PhD; James F. George, PhD; Deepak Acharya, MD, MSPH



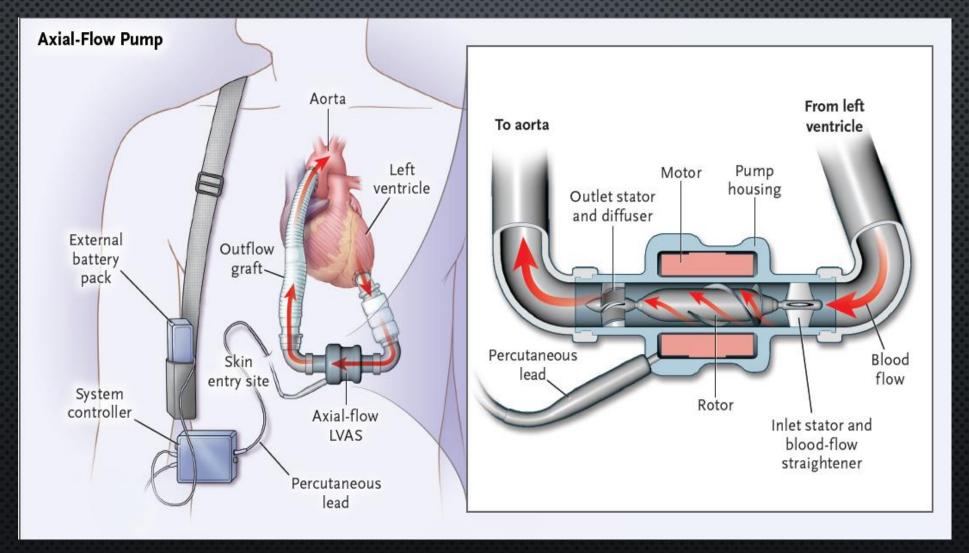


WAITI

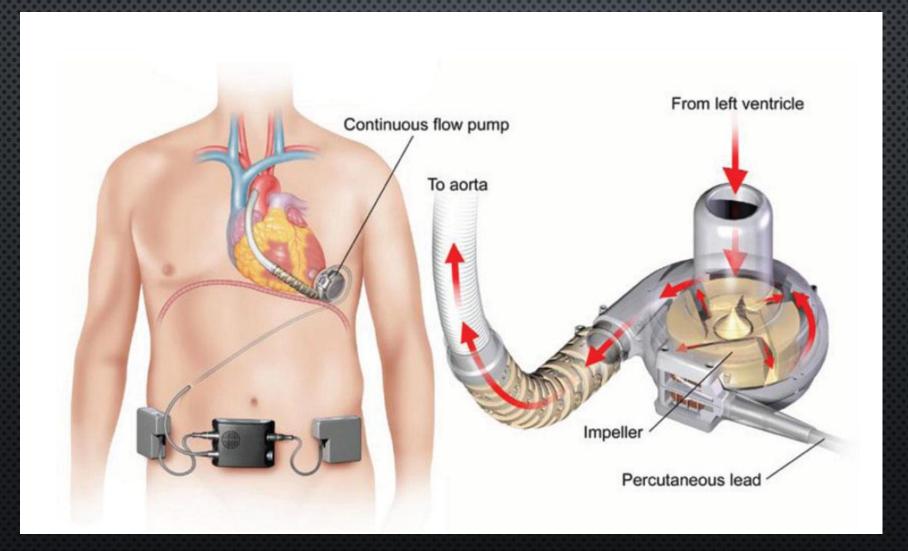


Waitlist Mortality ~ 20% per year

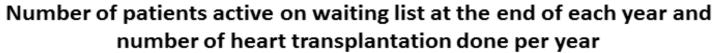
AXIAL FLOW LVAD

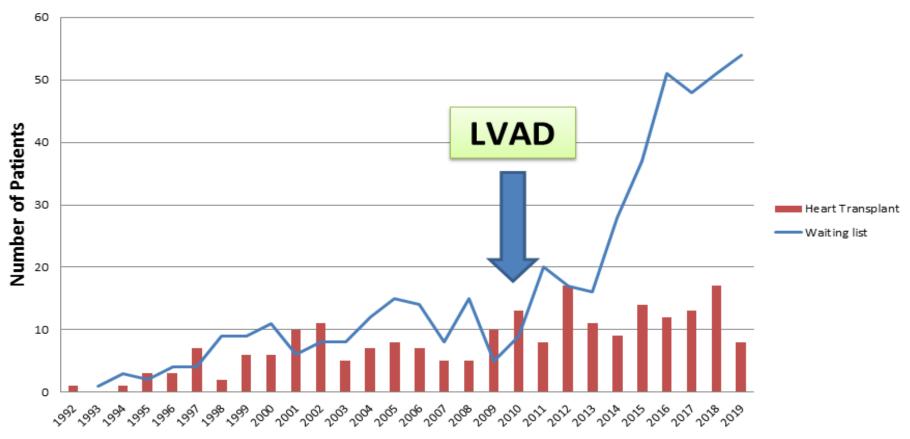


CENTRIFUGAL FLOW LVAD



LVAD SERVICE SINCE 2010

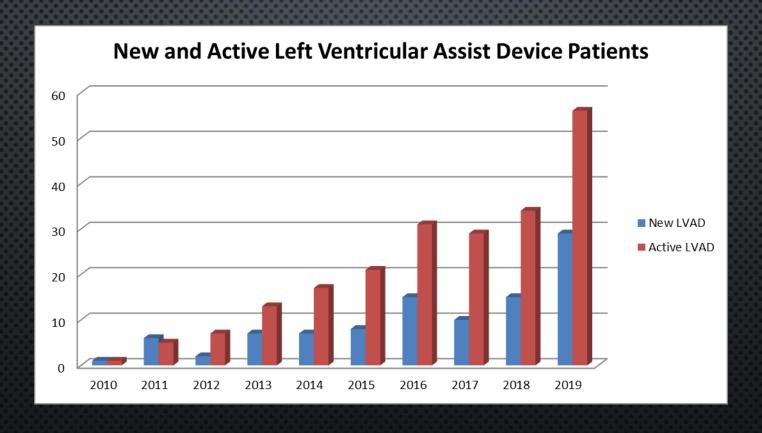




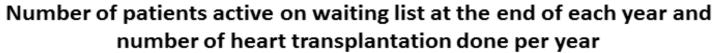
LVAD SERVICE IN HK SINCE 2010

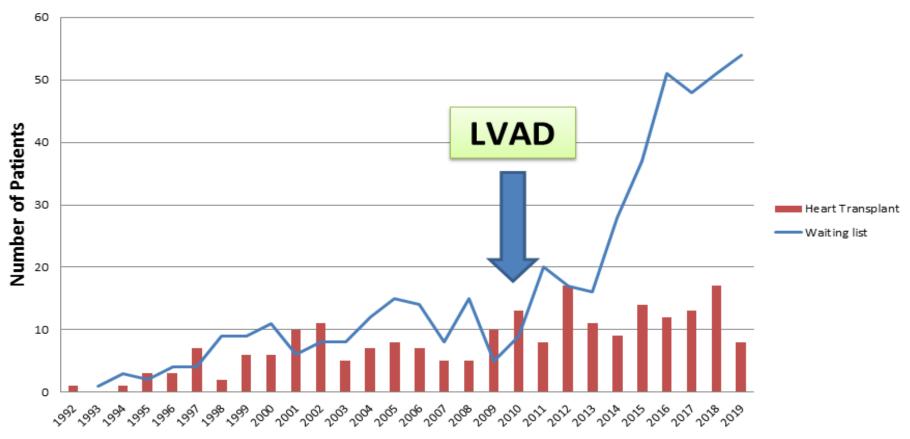
- 100 PATIENTS
 - 88 BTT/BTC 12 DT AS INITIAL STRATEGY
- INTERMACS
 - 1 → 19
 - 2 → 39
 - 3 → 34
 - 4-6 → 8
- 17 WITH VA-ECMO AS BRIDGE TO BRIDGE

LVAD NUMBER PER YEAR

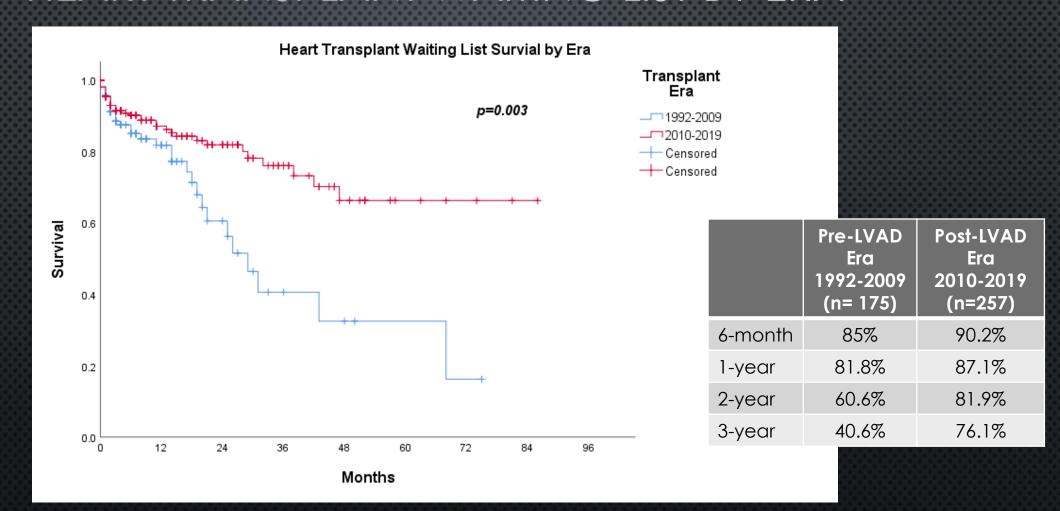


LVAD SERVICE SINCE 2010

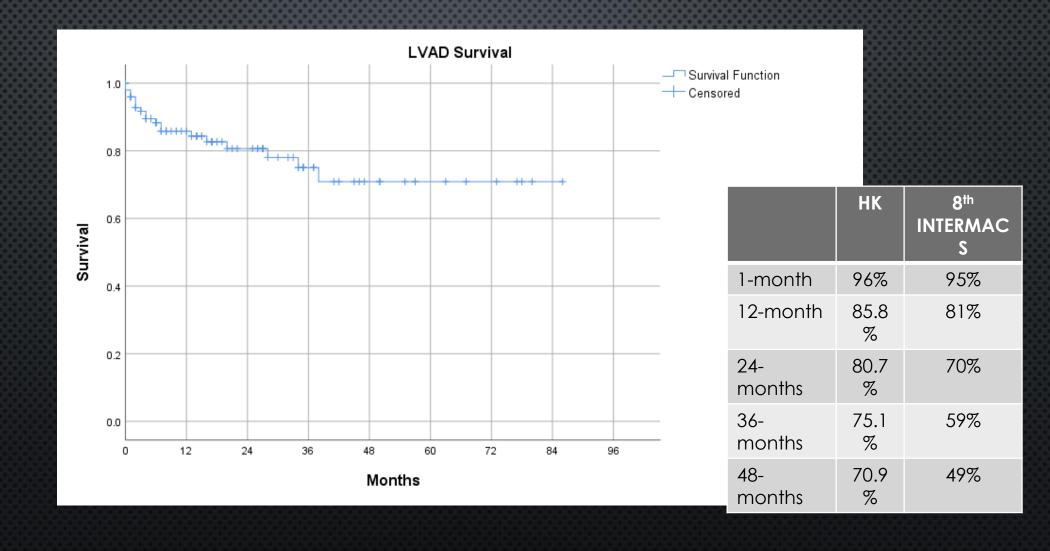




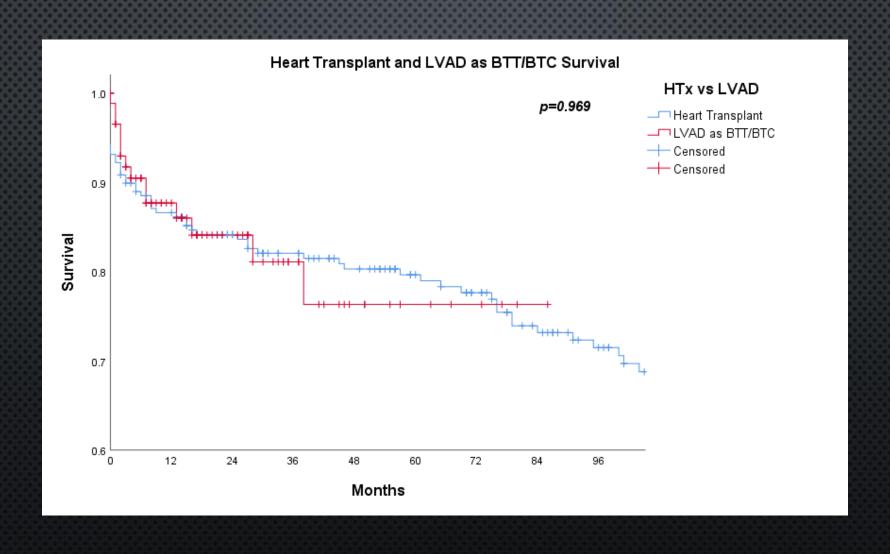
SURVIVAL ON HEART TRANSPLANT WAITING LIST BY ERA



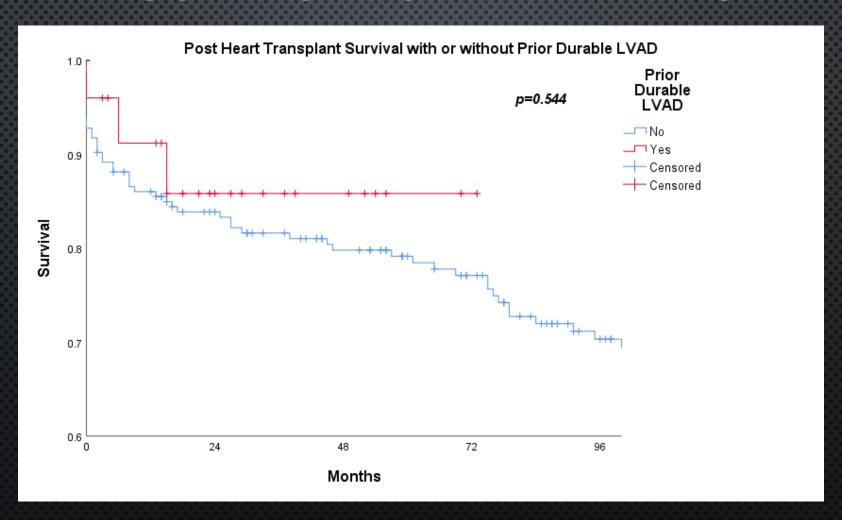
OVERALL LVAD SURVIVAL



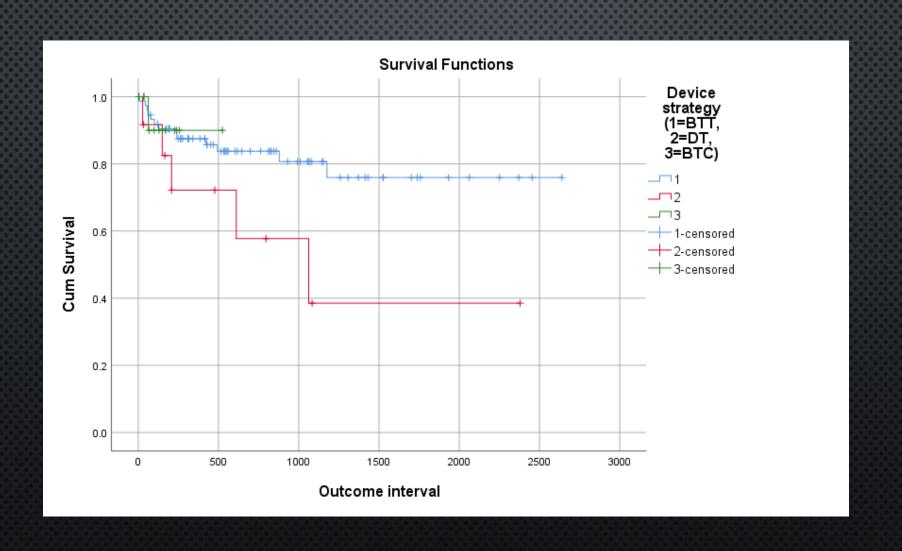
HEART TRANSPLANT AND BTT/BTC LVAD SURVIVAL



POST HEART TRANSPLANT SURVIVAL WITH OR WITHOUT PRIOR DURABLE LVAD AS BTT



LVAD SIRVIVAL BY STRATEGIES



CONCLUSIONS

- SINCE INTRODUCTION OF LVAD SERVICE SINCE 2010
 - NCREASING ACCUMULATION OF PATIENTS ON WAITING LIST
 - Overall waiting list survival is better due to good post LVAD outcome
- OVERALL BTT/BTC LVAD SURVIVAL IS COMPARABLE WITH HEART TRANSPLANT SURVIVAL
- POST HEART TRANSPLANT SURVIVAL AFTER LVAD THERAPY IS COMPARABLE WITH THOSE
 WITHOUT PRIOR LVAD SUPPORT.
- LVAD IS A WELL-ESTABLISHED TREATMENT FOR PATIENTS WITH ADVANCED HEART FAILURE WITH GOOD OUTCOMES

THANK YOU!