

## Introduction

## Results

Early extubation and fast-tracking results in faster transition from ICU to the ward and reduces costs  
 Early extubation in the operating room is a feasible option for selected liver transplant recipients  
 Our goal was to change our practice to increase number of patients who are extubated in the operating room and early (within 6 hours) of their ICU stay  
 We also examined predictors of extubation in patients who had their abdominal wall closed at the conclusion of liver transplantation

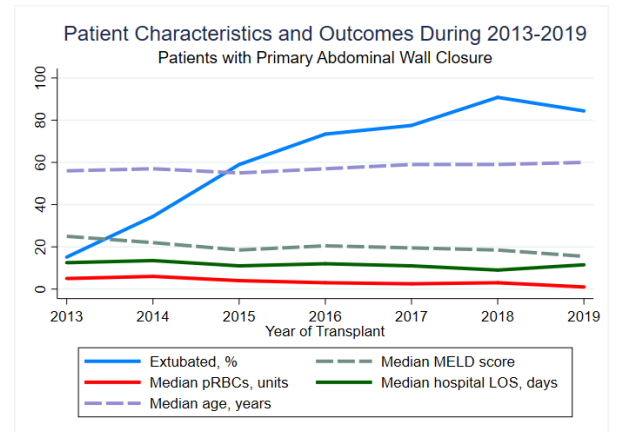
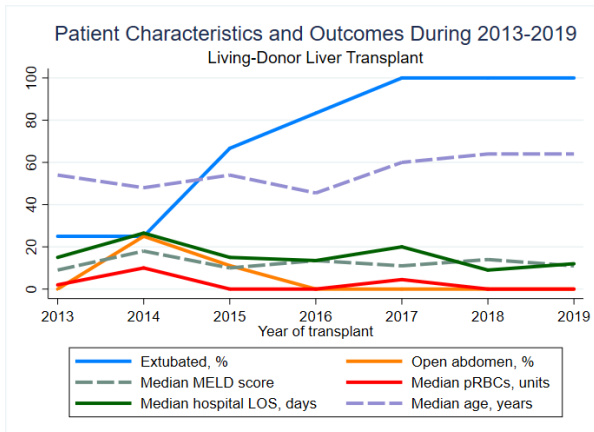
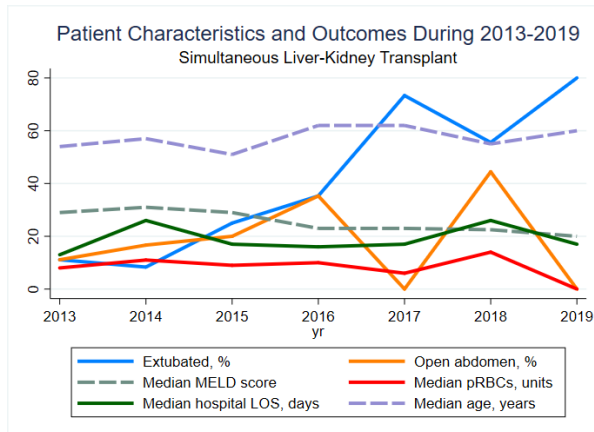
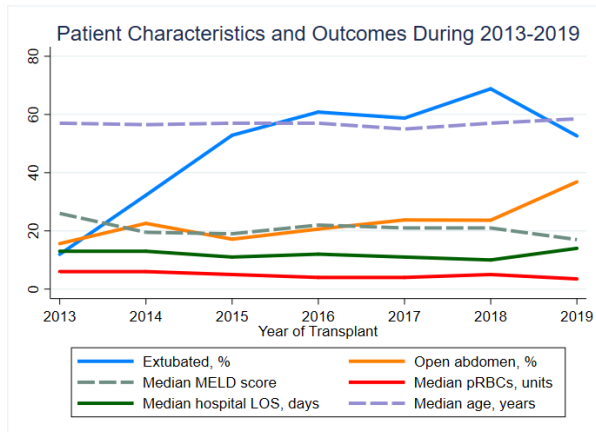
- In 2012 our liver transplant anesthesia group reviewed up-to-date literature of early extubation practices and fast-tracking of liver transplant recipients
- We developed a [protocol](#) to encourage early extubation practice and fast-tracking of liver transplant recipients
- Since 2012 through now we changed our practice and adjusted practice based on culture change among anesthesiologists/ surgeons and critical care physicians
- We collected early extubation, length of stay and mortality data on 641 adult recipients from 2013 through May of 2019
- We developed a predictive model of early extubation for patients when abdominal wall was closed at the conclusion of transplant

- 641 adult patients underwent transplantation
  - 512 deceased-donor liver transplant
  - 84 simultaneous liver-kidney transplant
  - 45 living-donor liver transplant
- Proportion of extubated patients has increased over time in the entire cohort and within each group
- Leaving abdomen open is the single most important predictor of failure to extubate in the operating room
- When abdominal wall was closed, [predictors of extubation](#) included only year of transplant, transfusion of pRBCs and lactate concentration at the last draw in the operating room

## Methods & Objectives

## Results

*Click graphs to enlarge*



## Conclusions

## References

- Implementation of a systematic approach to extubation of liver transplant recipients in the operating room results in high extubation rates
- Additional evaluation is required to assess whether early extubation results in decreased length of ICU or hospital stay, and whether reintubation is commonly required