

INTRODUCTION

- AKI is prevalent and has a high mortality rate
- Dialysis can be lifesaving, but carries risk
- When do we perform dialysis?



PREVIOUS STUDIES

Effect of Early vs Delayed Initiation of Renal Replacement Therapy on Mortality in Critically Ill Patients With Acute Kidney **Injury**

The ELAIN Randomized Clinical Trial

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JAMA. 2016;315(20):2190-2199. doi:10.1001/jama.2016.5828

Conclusions and Relevance Among critically ill patients with AKI, early RRT compared with delayed initiation of RRT reduced mortality over the first 90 days. Further multicenter trials of this intervention are warranted.



Timing of Initiation of Renal-Replacement Therapy in Acute Kidney Injury

The STARRT-AKI Investigators for the Canadian Critical Care Trials Group, the Australian and New Zealand Intensive Care Society Clinical Trials Group, the United Kingdom Critical Care Research Group, the Canadian Nephrology Trials Network, and the Irish Critical Care Trials Group*

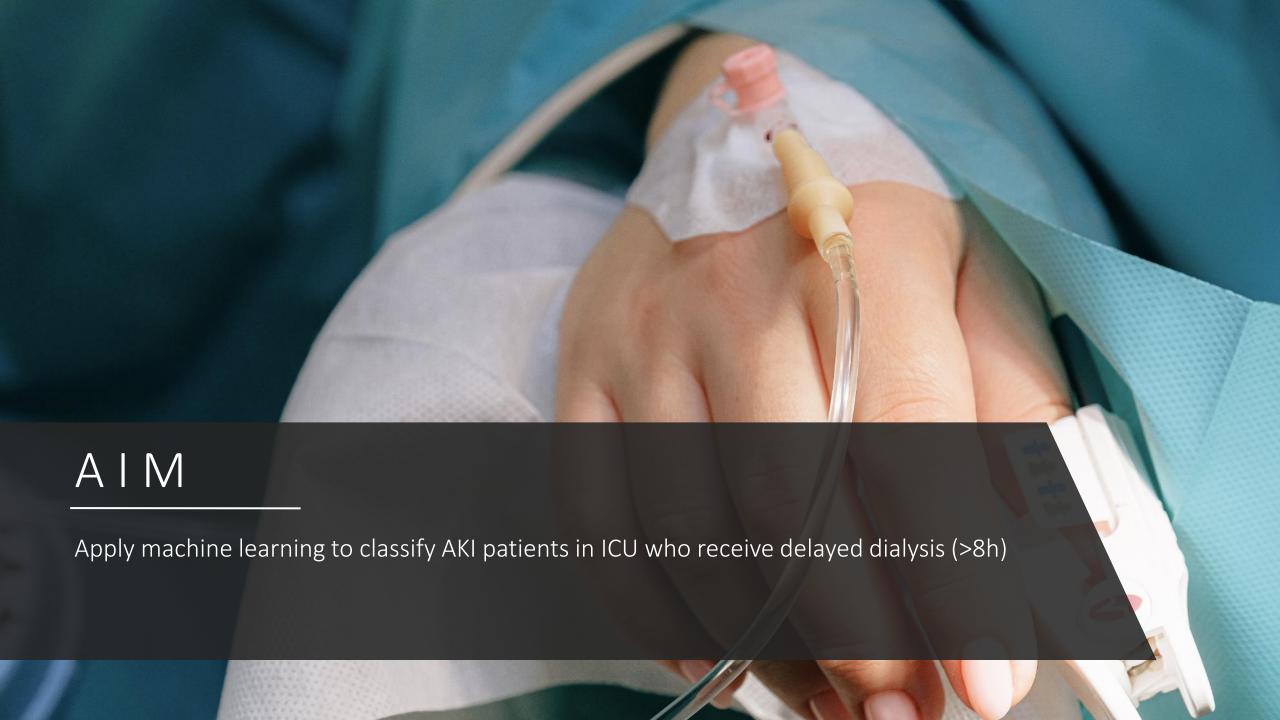
CONCLUSIONS

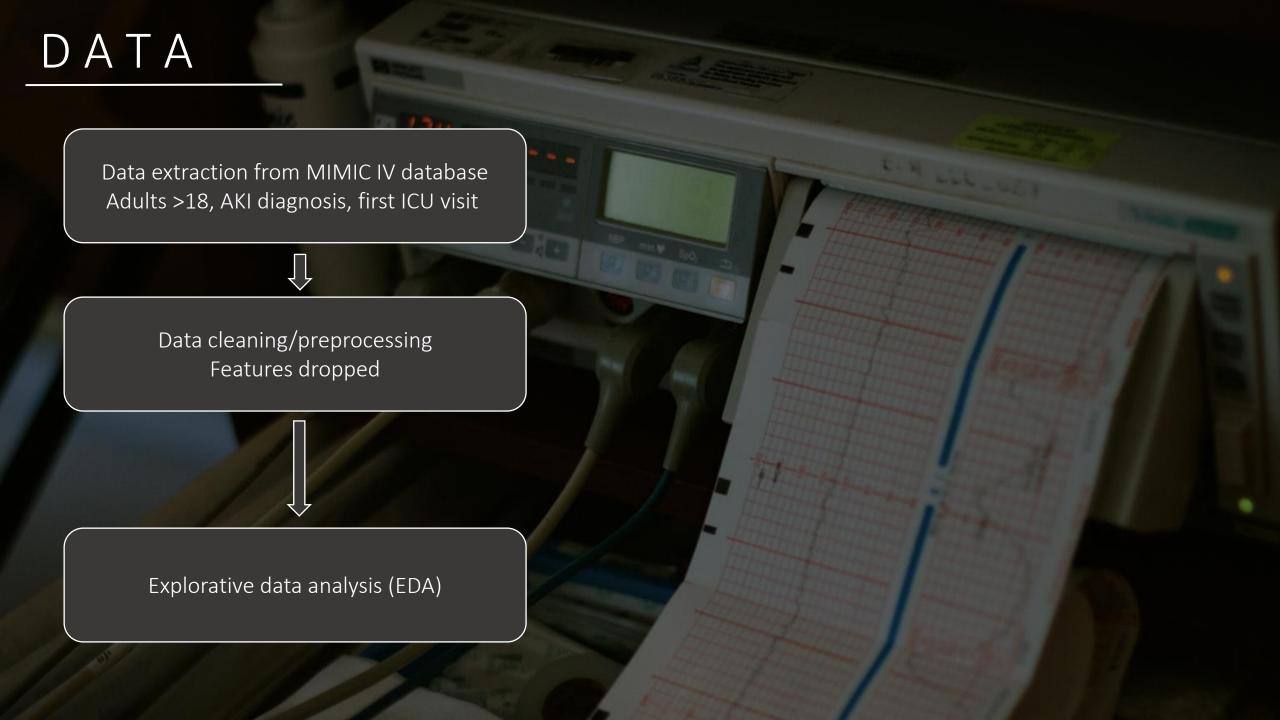
Among critically ill patients with acute kidney injury, an accelerated renal-replacement strategy was not associated with a lower risk of death at 90 days than a standard strategy. (Funded by the Canadian Institutes of Health Research and others; STARRT-AKI Clinical Trials.gov number, NCT02568722.)

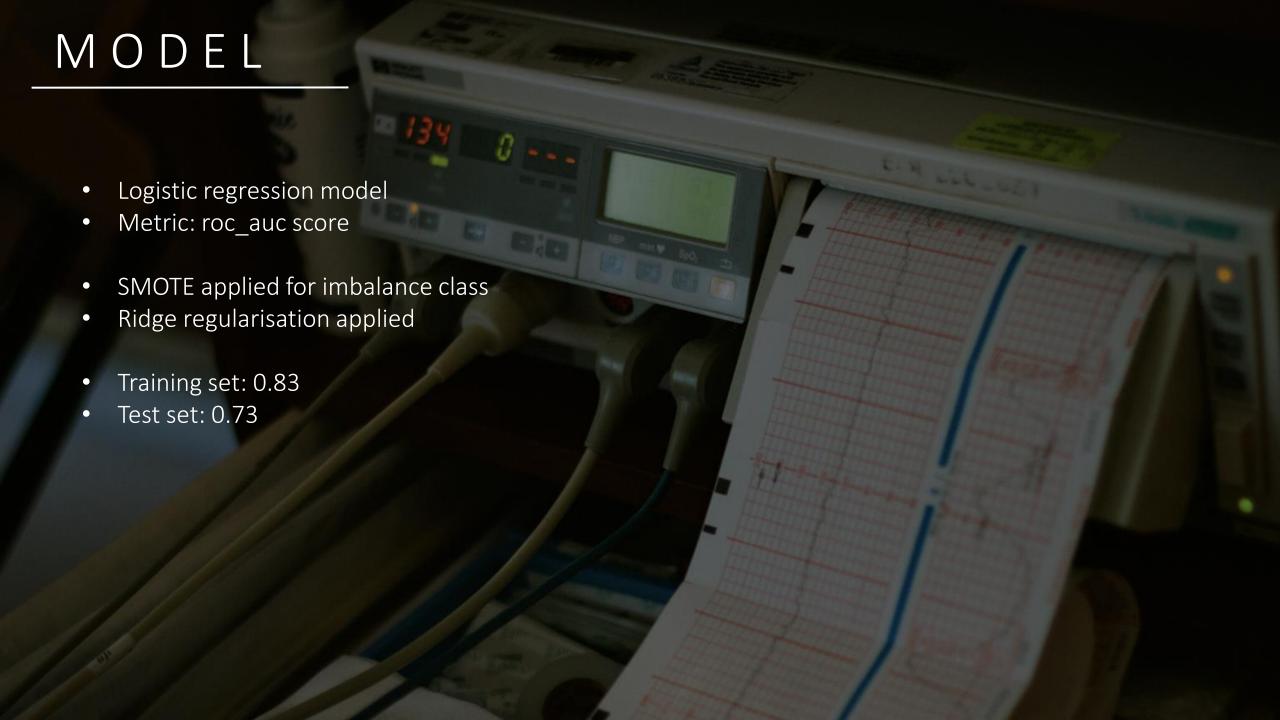
CLINICAL RELEVANCE

- Reduce exposure to dialysis risk
- Resource allocation









FEATURES

Feature	Coefficients
Min blood urea nitrogen	1.74
Max white blood cell count	1.07
Min bicarbonate	0.62
Mean temperature	0.56
Min hematocrit	0.55



