

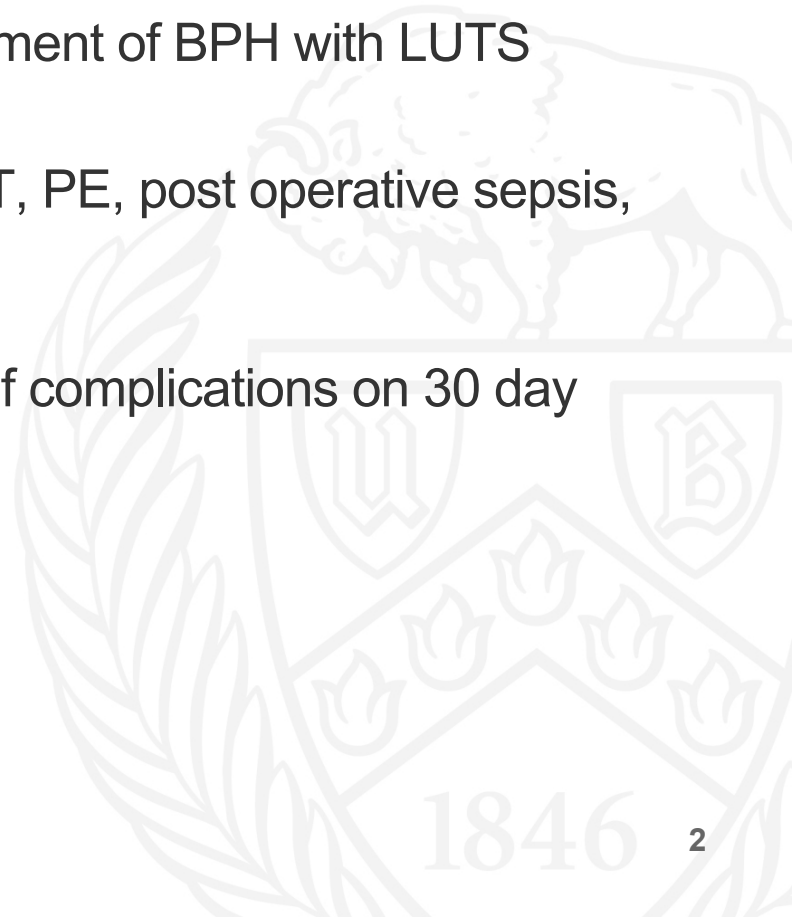
FAIL TO RESCUE: CAUSES OF MORTALITY POST TURP?

Oussama Darwish
Daniel Wang
Ali Houjaj
Nader Nader



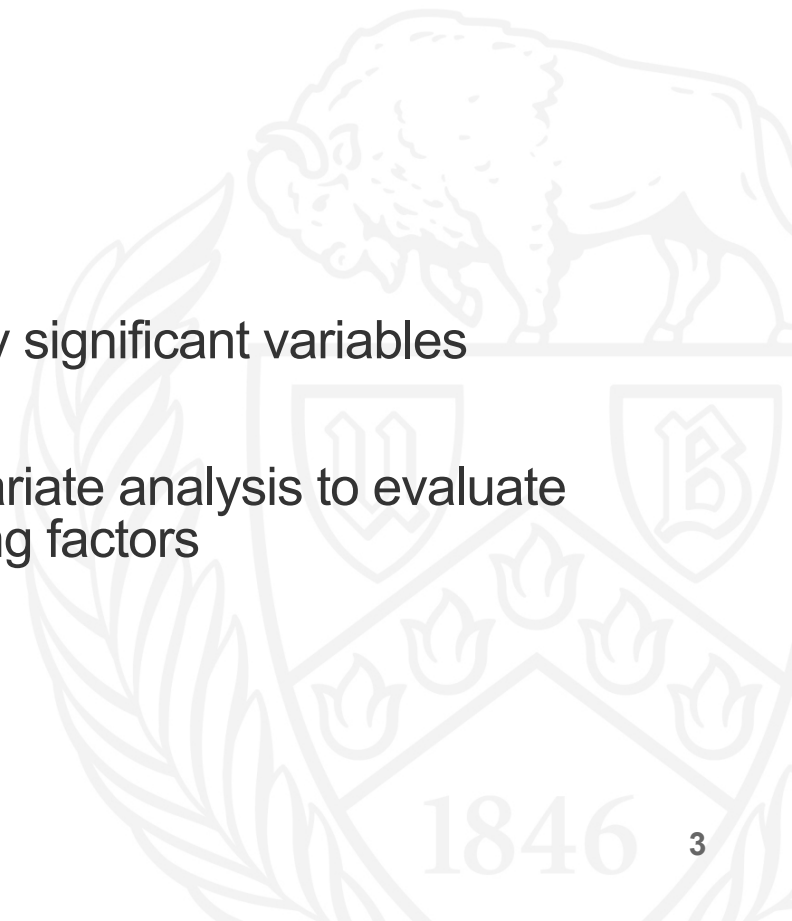
Introduction

- TURP remains the gold standard of treatment of BPH with LUTS
- Although rare, risks of TURP include DVT, PE, post operative sepsis, and death
- Objective: evaluate the predictive value of complications on 30 day mortality



Methods

- NSQIP: 2014 – 2016
- 18,007 patients
- Chi-square analysis to identify statistically significant variables
- Identified variables then used in a multivariate analysis to evaluate the relationship and adjust for confounding factors
- Cox model computed hazard ratios



Results

- 18,007 patients treated with TURP
- 79 patients died within 30 days of TURP

		Hazard Ratio	95% Confidence Interval
Cardiac Complication		15.5	7.2-32.9
Respiratory Complication		13.5	6.1-29.8
Venous Thromboembolism		5.5	1.7-18.1
Acute Renal Failure		4.6	2.1-10.0
Infection		1.1	0.2-8.1

Conclusions

- The following complications of TURP were associated with a higher risk of death within 30 days of TURP: cardiac complications, respiratory complications, venous thromboembolism, and acute kidney injury
- Interestingly, infection (including UTI, septic shock) was not associated with a greater increase in risk of 30 day mortality