

HEALTH SCIENCES DIVISION



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# Introduction

- **Background.** Robotic-assisted radical cystectomy (RARC) is an alternative approach to open radical cystectomy (ORC) for the management of bladder cancer. Early data suggest RARC is a safe and comparable option to ORC for cancer control, but studies have not demonstrated a clear benefit in morbidity for RARC over ORC.
- **Purpose.** We aimed to compare Clavien complications, readmission, and survival for RARC to ORC at Loyola Medical Center.

# Methods

 Patients diagnosed with bladder cancer of any stage undergoing RARC or ORC at Loyola University Medical Center (2005-2021) were included.

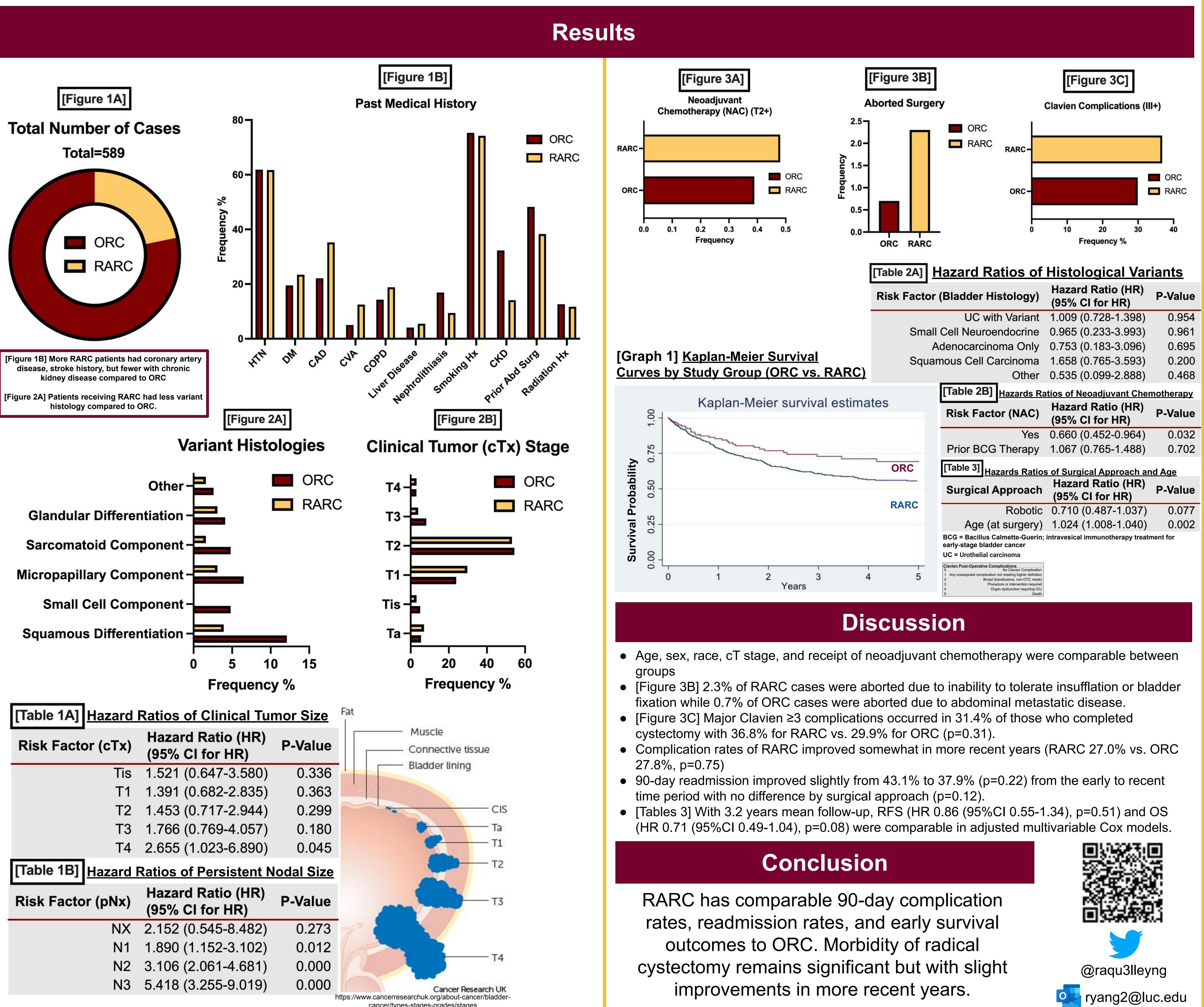
### **Clinical Variables Collected**

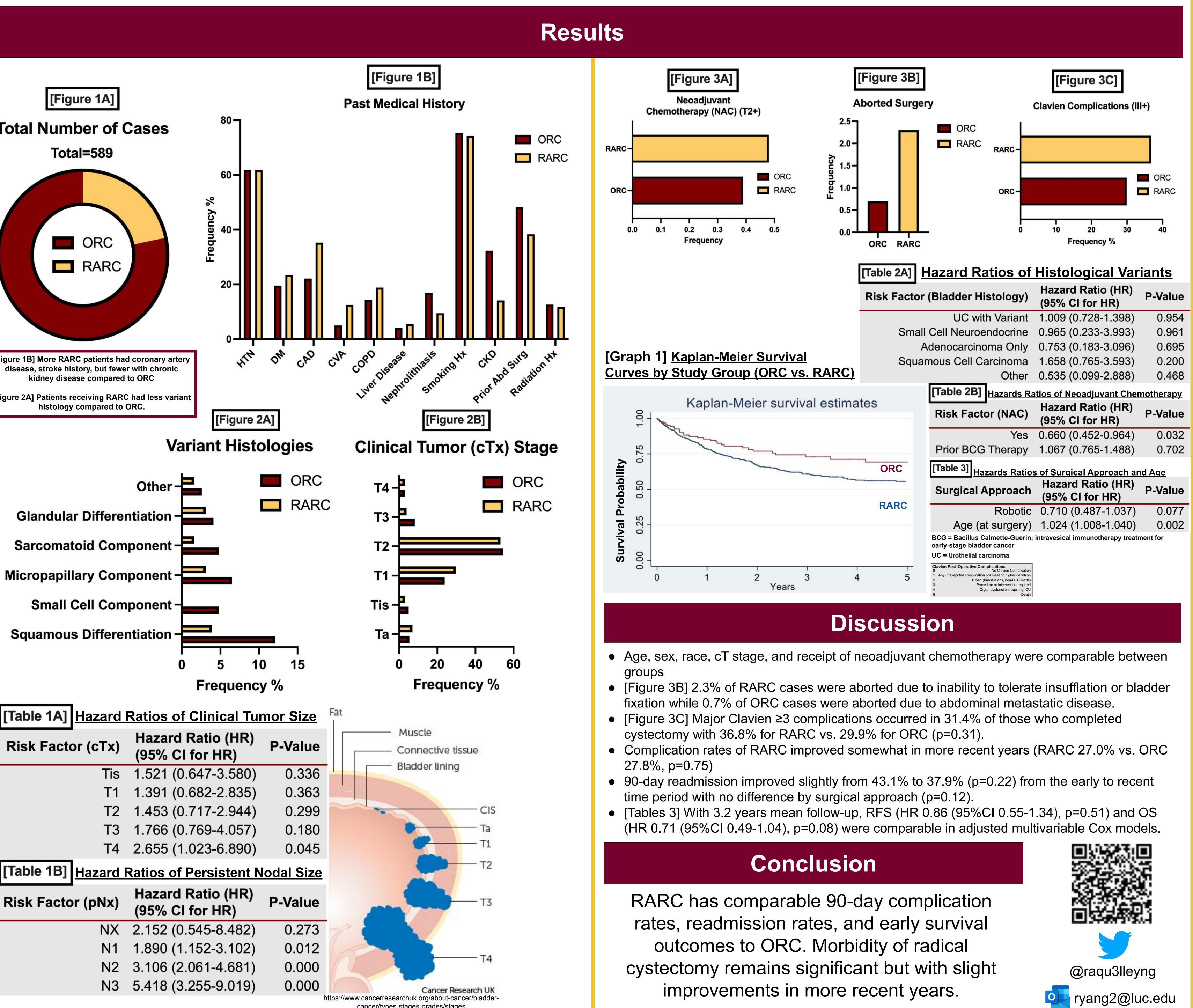
- Age, Sex, Race, Comorbities
- Prior intravesical therapy
- Hydronephrosis
- Bladder cancer histology
- Clinical stage of bladder cancer
- Receipt of neoadjuvant chemotherapy

• Early and recent time periods were based on median RARC case (August 2016). RFS and OS were evaluated with Kaplan-Meier curves and multivariable Cox proportional hazards regression models.

### **Compared Between Groups**

- Rates of aborted surgery
- Clavien complications
- Survival (recurrence-free) (RFS)
- Overall survival (OS)





# **Robotic versus Open Radical Cystectomy for Bladder Cancer: Evaluation of Complications and Survival**