## Impact of Donor Age and Ischemic Time on Infections After Lung Transplantation: A Focus on Age-Dependent Ischemic Susceptibility

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Median lung transplant ischemic time is 5.5 hours and lung function begins to decline at age 40. How do these variables influence post-lung transplant respiratory infection risk?

1000

days after LTx

2000

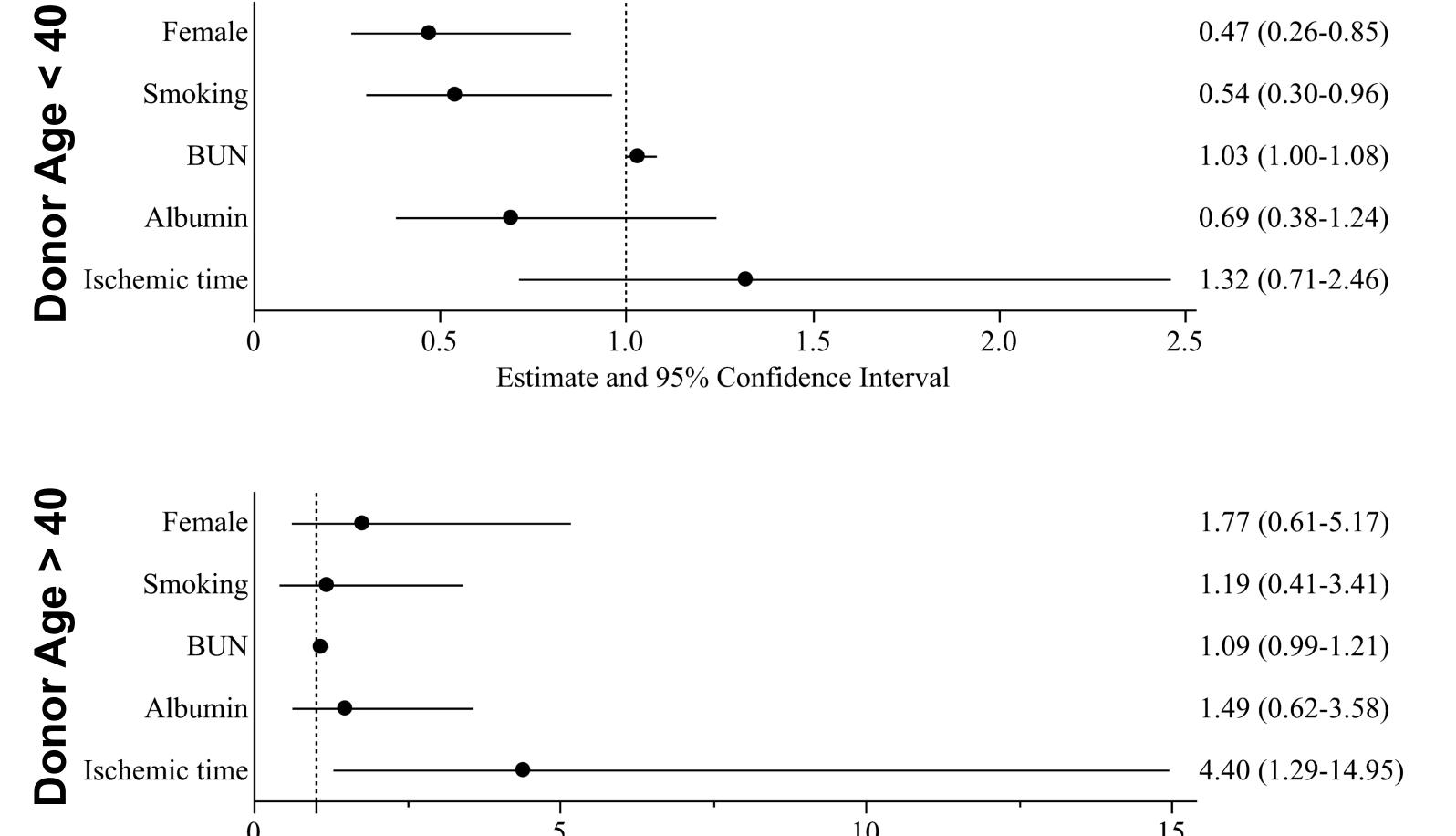
## Introduction

Lung transplantation is an established treatment for patients with end-stage pulmonary disease

Infection is the leading cause of death between one month and a year after transplant

Prior studies have identified history of multidrugresistant infection, exposure to broad-spectrum antibiotics, and longer ischemic time as risk factors for infection after lung transplant

In the age of extended criteria donors and longer ischemic times, what is the differential impact of donor age and ischemic time on risk of infection?



spiratory

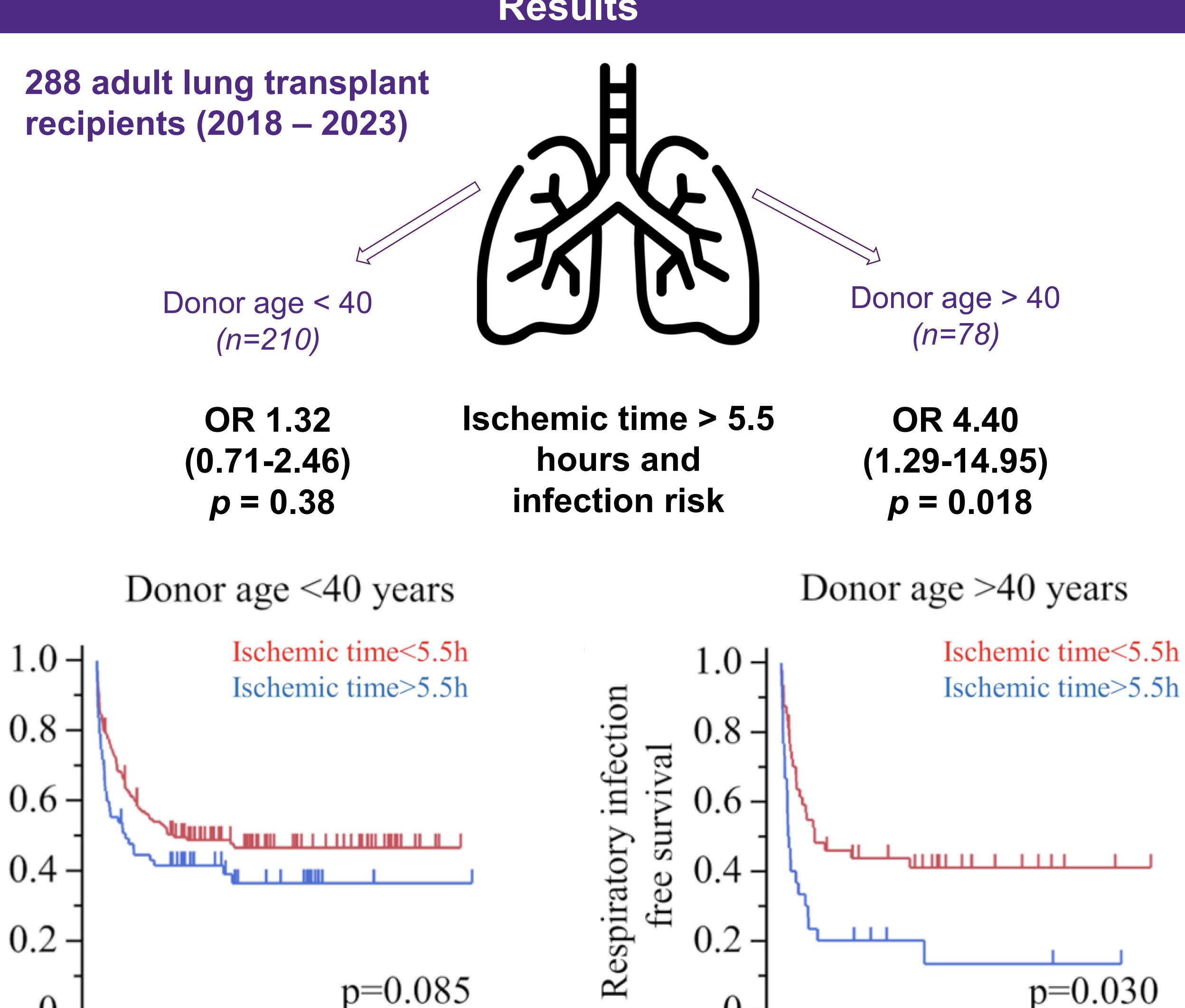
free

## Discussion

Estimate and 95% Confidence Interval

**Ischemic time >** 5.5 differentially impacts infection risk in donors > 40 years. A "one size fits all" strategy in assessing post-transplant infection risk may not be appropriate.

## Results



2000

1000

days after LTx