# Impact of Re-Sternotomy in Acute Type A Aortic Dissection Repair

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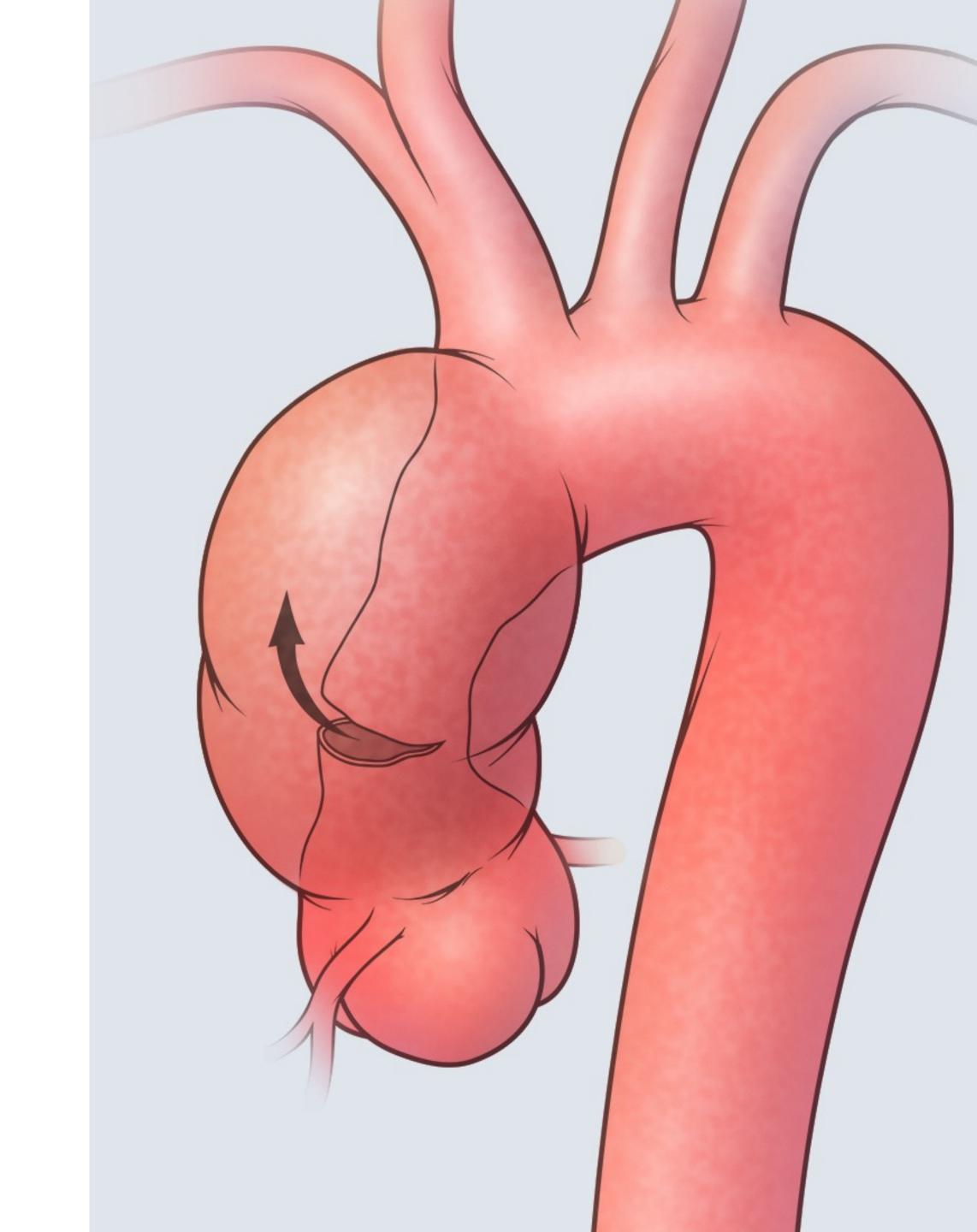
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## Introduction

We reviewed our near twodecades experience to evaluate for the impact of **resternotomy** in acute type A aortic dissection (ATAD)



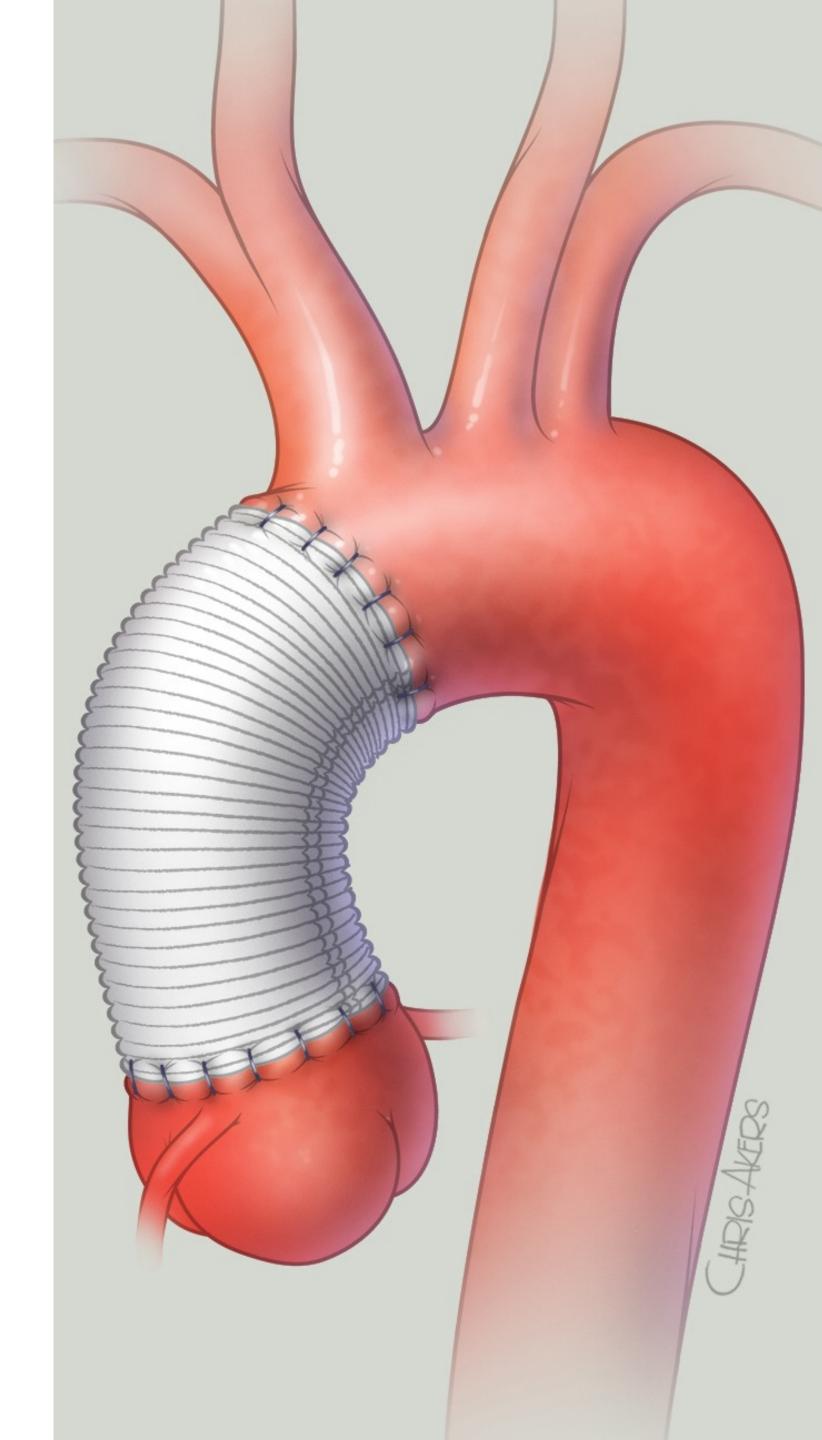
#### Methods

ATAD repairs performed between Dec 1999 - Dec 2022

Re-sternotomy

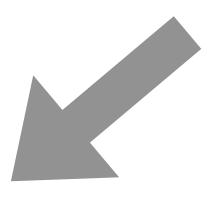
VS.

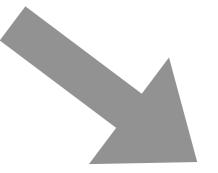
First time sternotomy



#### Results

ATAD Repair 697 patients





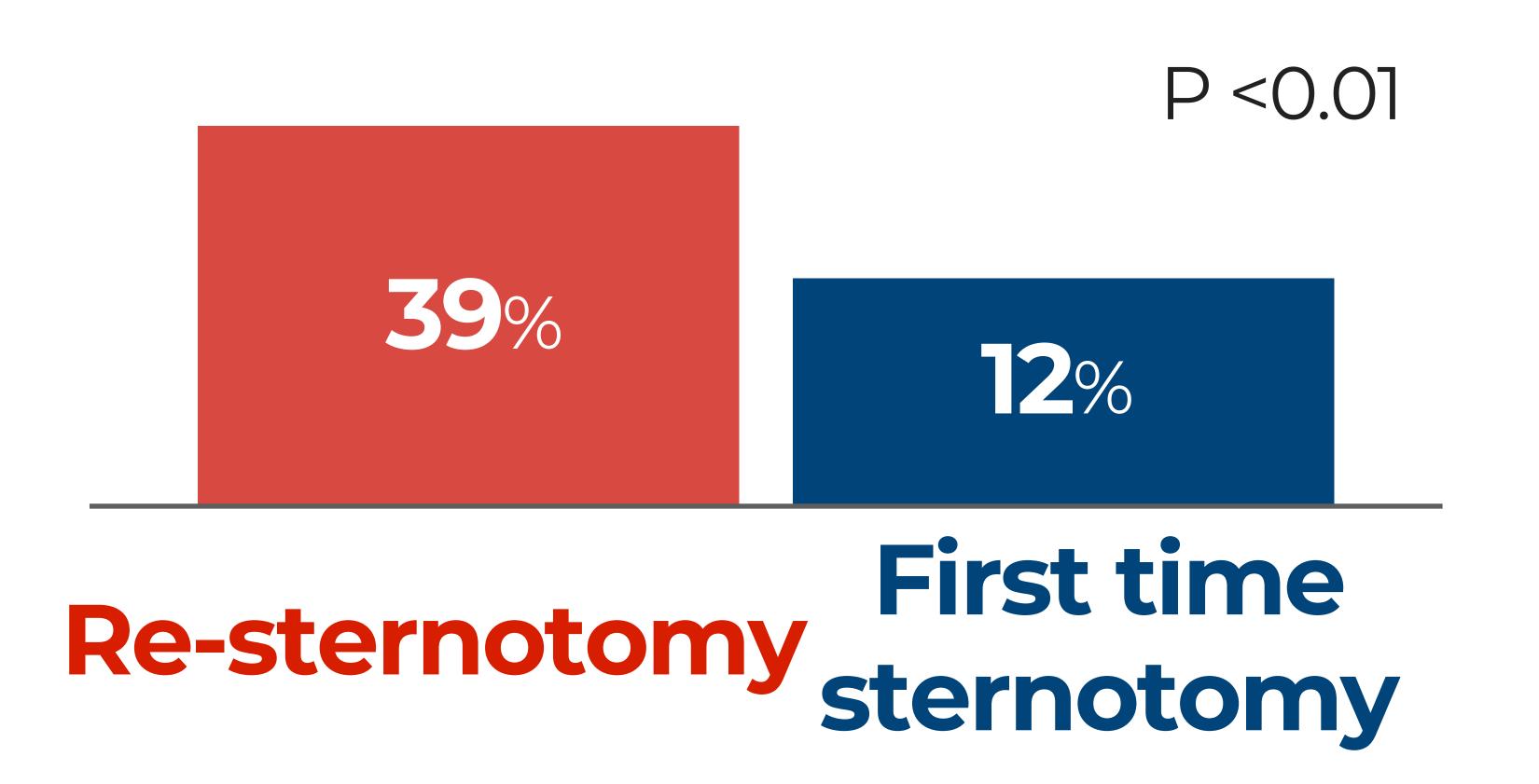
Re-sternotomy
49 patients

First time sternotomy 648 patients

# Patient Characteristics

	Resternotomy (n=49)	Completion (n=648)	p value
Age (years)	67	57	<0.01
Hypertension	82 %	64 %	<0.01
AAA Repair	10 %	1 %	<0.01
Aortic clamp time (min)	100	96	0.134
Circulatory arrest time (min)	27	26	0.294
CPB time (min)	178	153	< 0.01

# 30-day mortality was higher in Re-sternotomy



# Early Outcomes

	Resternotomy (n=49)	Completion (n=648)	p value
ARDS	13 (27)	84 (13)	<0.01
Respiratory failure	23 (47)	216 (33)	0.05
Newly required dialysis	12 (24)	89 (14)	<0.01
GI complication	13 (27)	140 (22)	0.42
Stroke	4 (8)	74 (11)	0.64
Re-exploration for bleeding	4 (8)	22 (3)	0.10
Discharge to home	19 (39)	355 (55)	0.03

### Conclusions

ATAD patients with previous sternotomy had more comorbidities compared to first time sternotomy patients.

Outcomes after ATAD patients remain challenging despite the advancement of perioperative care in ATAD.

## Thank You!



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