



JAKARTA HEART CENTER



# CLINICAL CHARACTERISTICS AND EARLY POSTOPERATIVE OUTCOME IN PEDIATRIC TETRALOGY OF FALLOT

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# DECLARATION

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**NO CONFLICT OF INTEREST**



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# INTRODUCTION



## 01 MORTALITY RATE

Current **mortality rates** for total repair of TOF in developed country is now **less than 2%**

## 02 SCANT INFORMATION

Scant information is available on mortality of TOF in **low-middle income countries such as Indonesia**

### AIMS

This study aims to report the **early postoperative outcome of pediatric TOF** in our institution

# METHOD

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## Inclusion criteria

TOF patient that underwent a complete repair

## Exclusion criteria

Patient with associated pulmonary atresia, absent PV, AVSD, DORV, anomalous coronary artery

- Between January 1st, 2020 - February 29th, 2024
- Retrospective observational study
- Patients were prospectively followed for 30 days
- $p < 0.05$  was considered significant

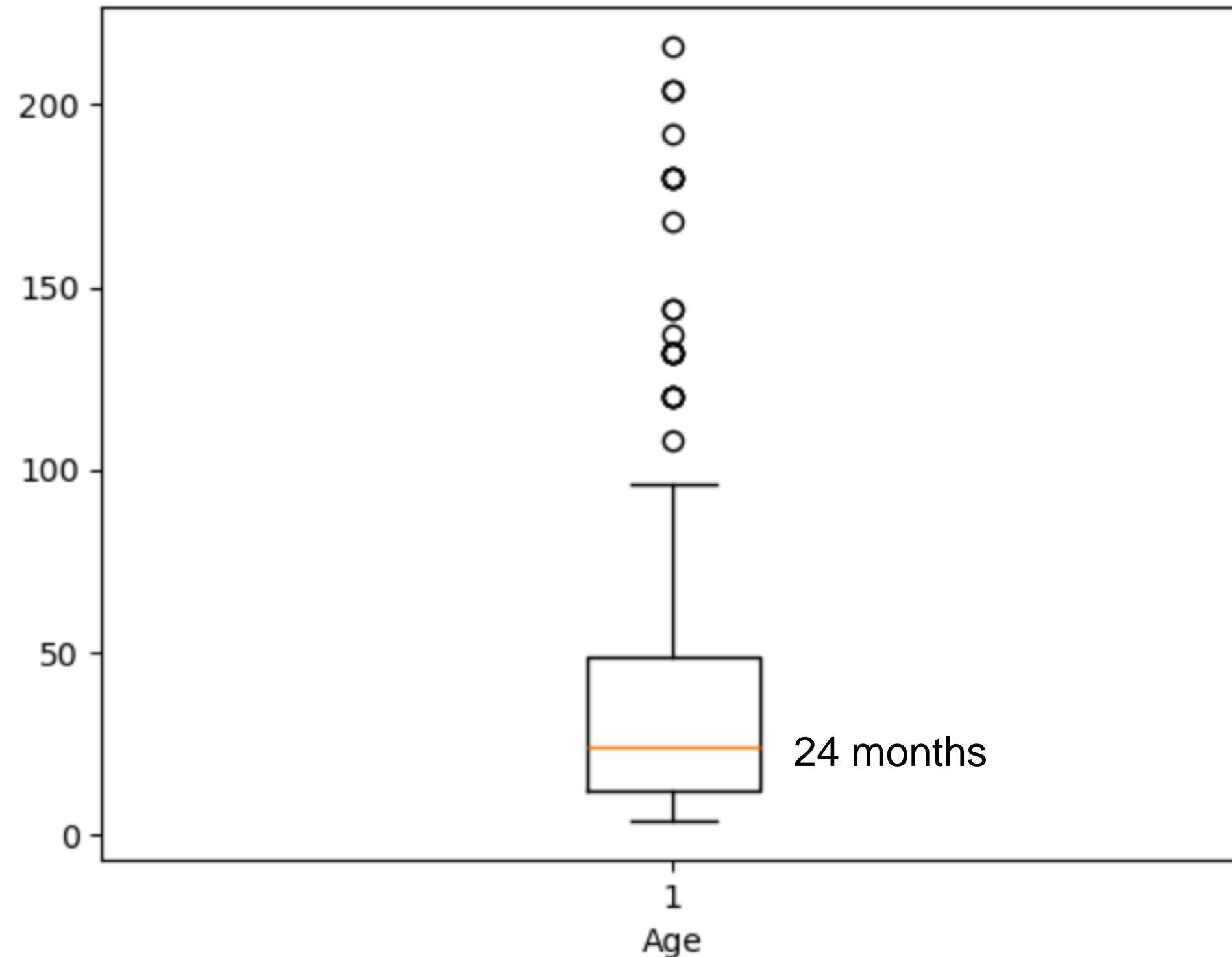
# RESULTS



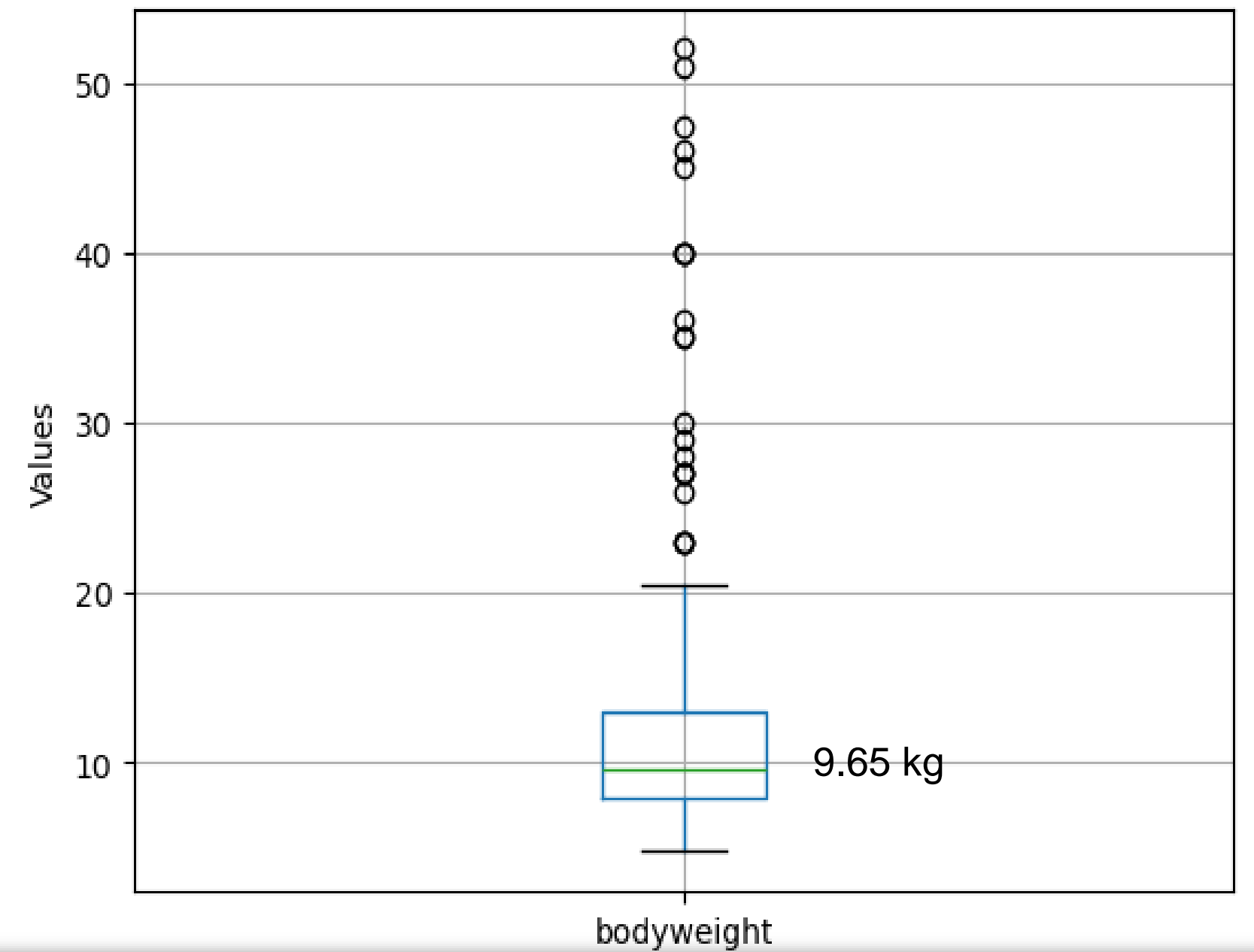
**30 DAYS  
MORTALITY  
RATE: 3.6%  
(N=8)**

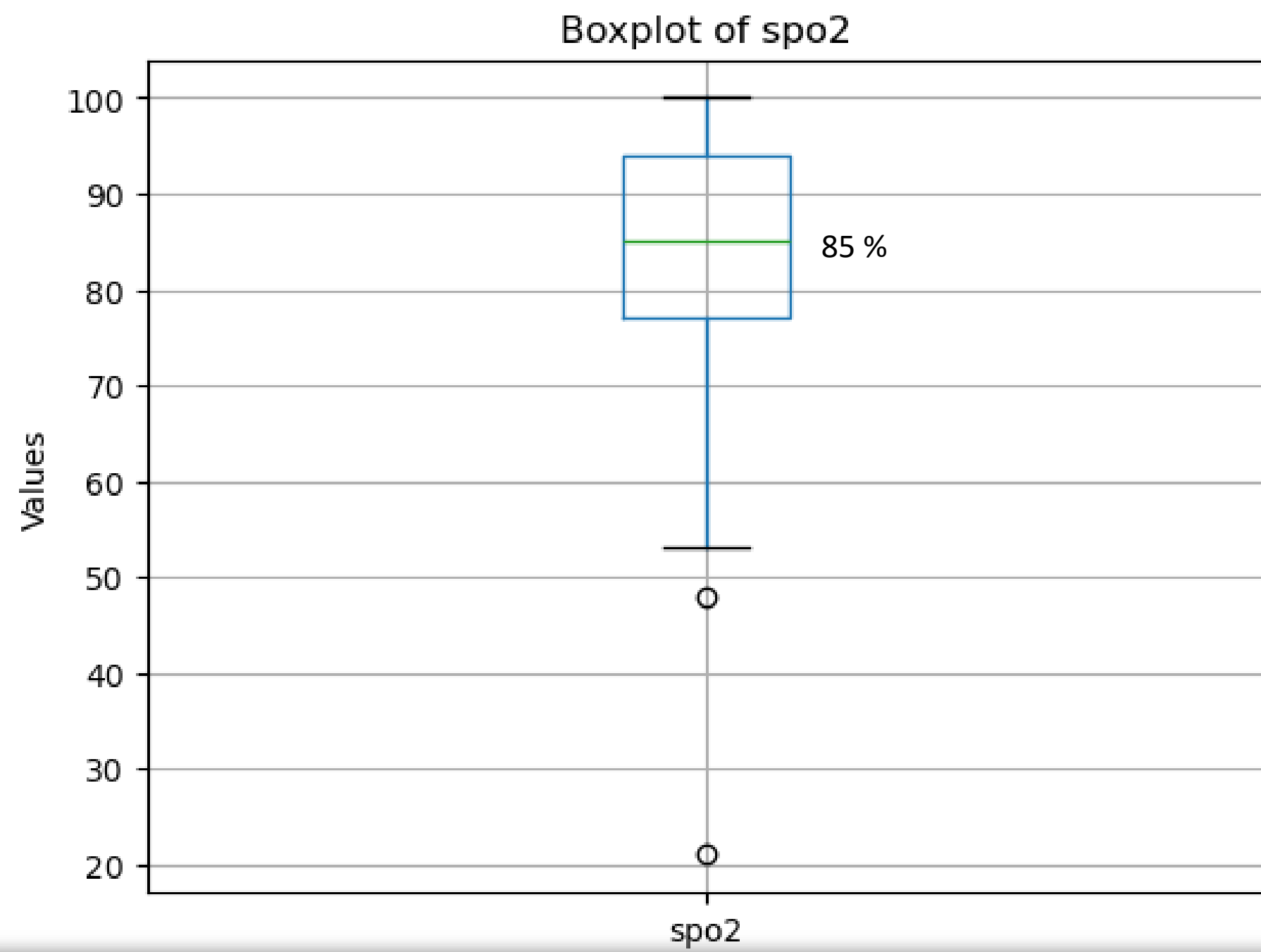
# PATIENTS CHARACTERISTICS

Boxplot of Age

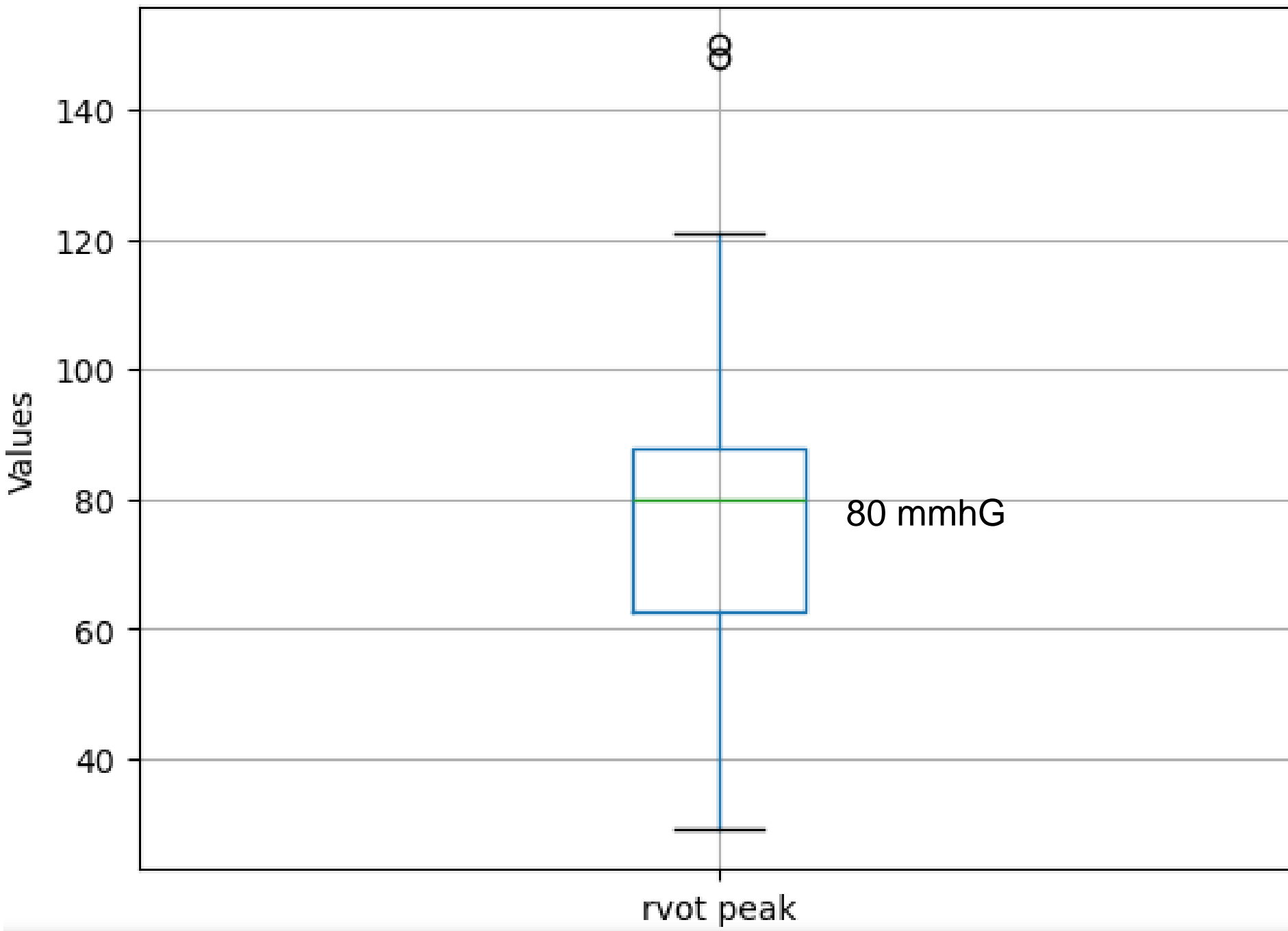


Boxplot of bodyweight

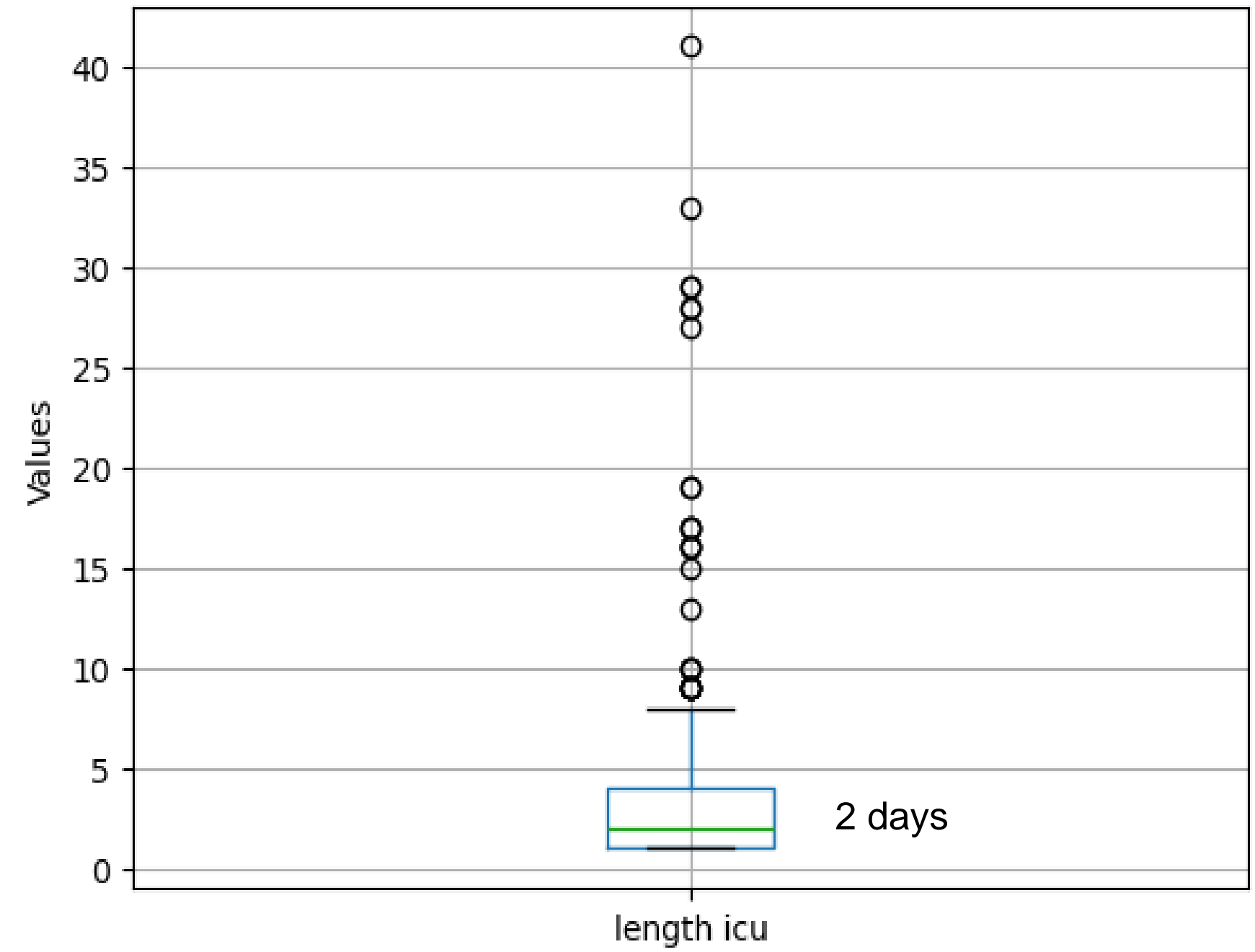




Boxplot of rvot peak

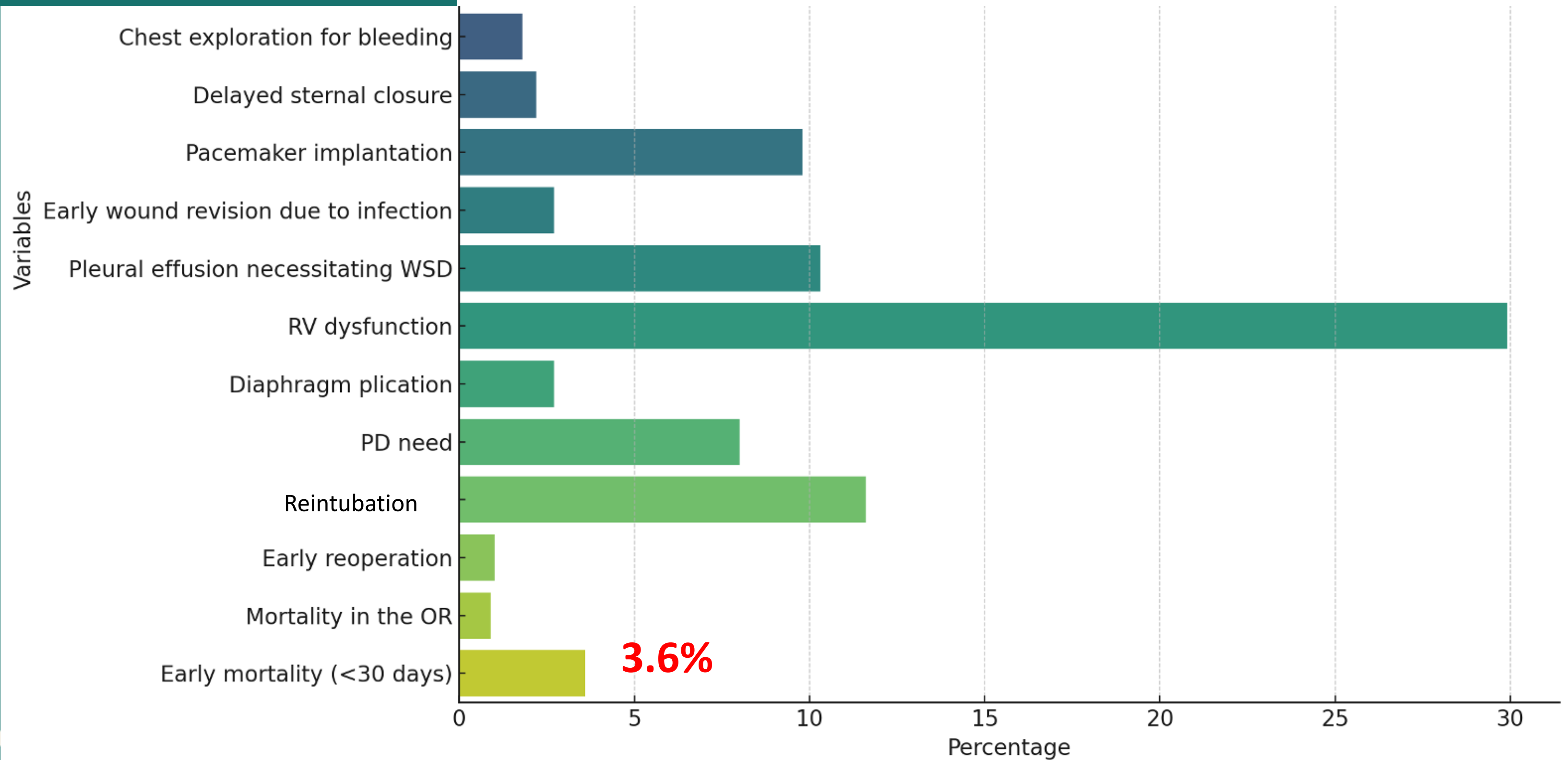


Boxplot of length icu





# EARLY OUTCOME



**30 DAYS MORTALITY RATE: 3.6%**

**DELAY IN  
DIAGNOSIS**

**DELAY IN  
TREATMENT**

Lower education  
level

Financial  
constraint

Lengthy wait time

Lack of surgical  
resources

Lack of medical  
professional

## Distribution of heart surgeon in Indonesia



**Solution?**

Educating  
medical  
professional

Low cost  
screening  
equipment

Training more  
cardiac surgeon

Advocating  
construction of  
congenital  
heart center

???

# CONCLUSION

