

# USE, EFFECTIVENESS AND SAFETY OF IVABRADINE IN PEDIATRIC PATIENTS

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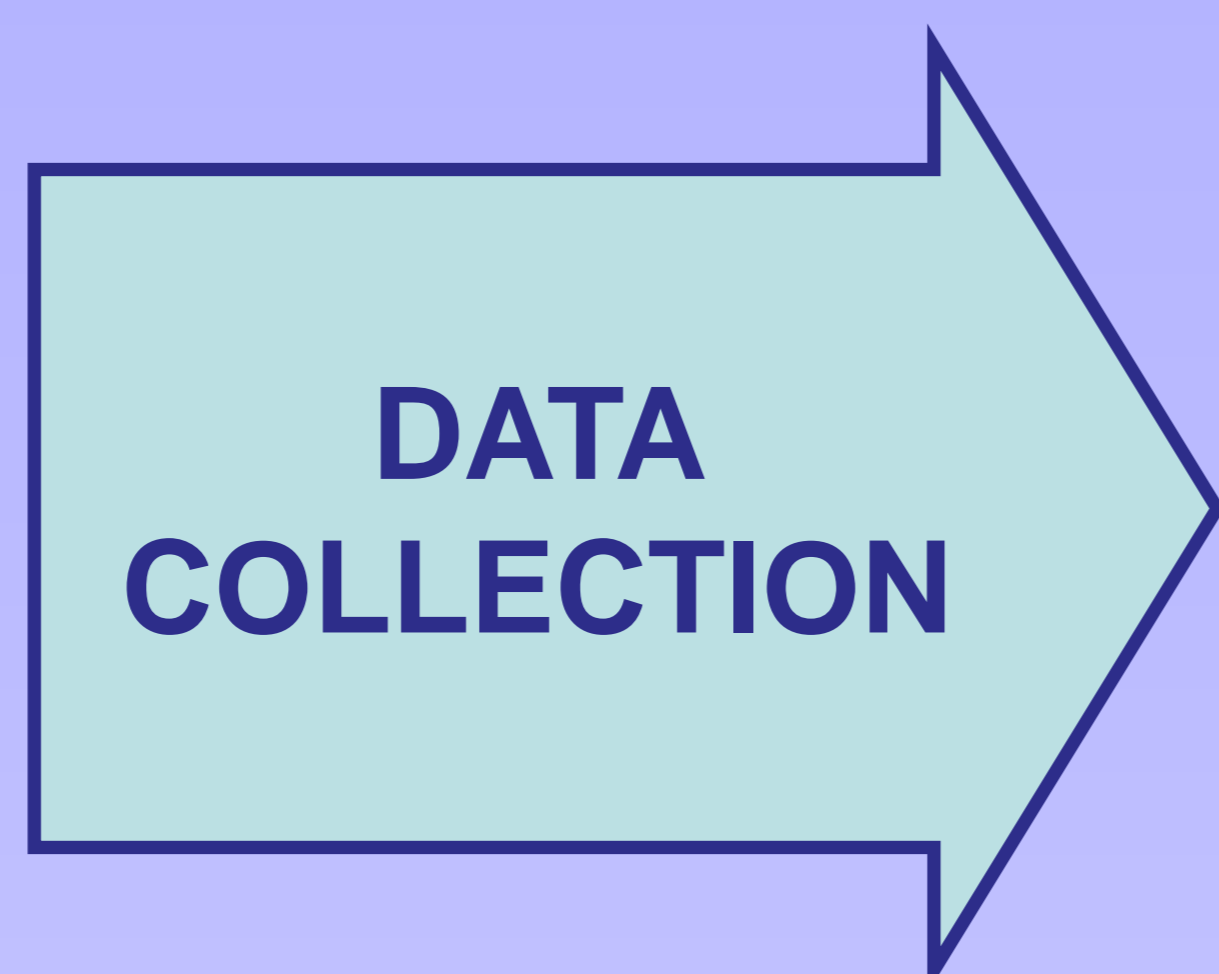
## BACKGROUND

Ivabradine is authorized for the treatment of coronary artery disease and chronic heart failure with systolic dysfunction in adult patients, but there is little information on its efficacy and safety in pediatric population.

## PURPOSE

To assess the use, effectiveness and safety of ivabradine in pediatric patients.

## MATERIALS AND METHODS



Date of birth	Concomitant conditions
Sex	Treatment duration
Heart rate	Ivabradine dosing
Weight	Heart rate
Diagnosis	Adverse events

Effectiveness assessment:  
**HEART RATE < 130 bpm**

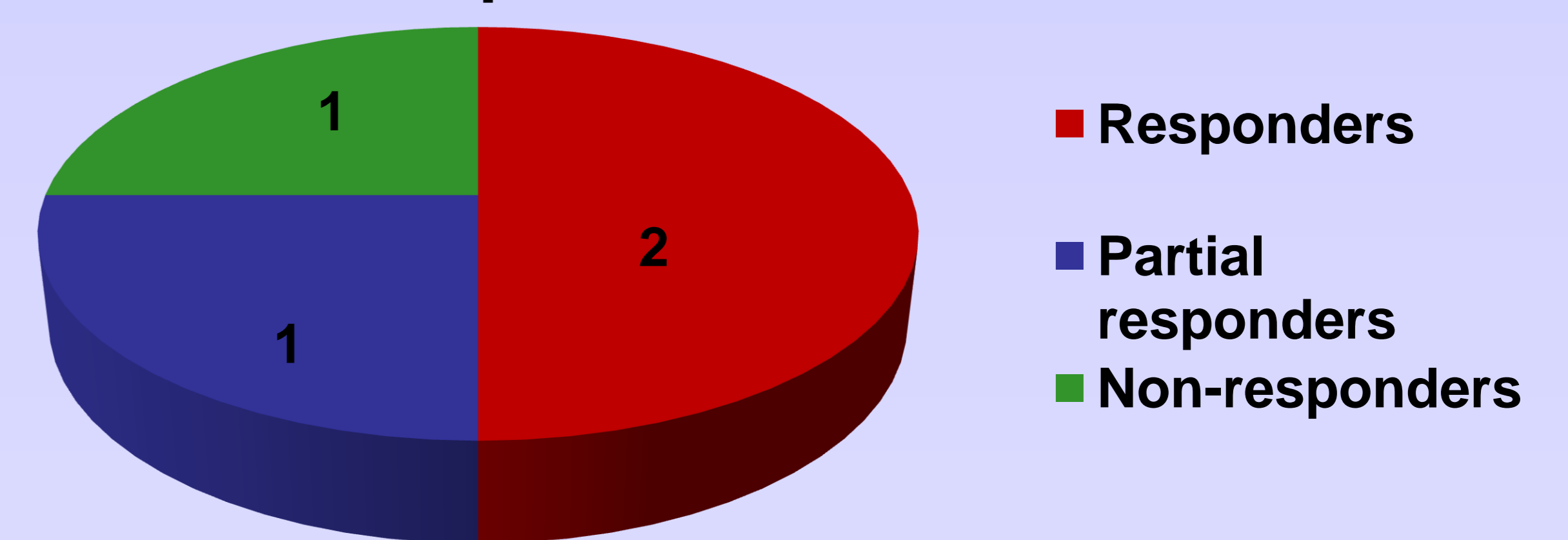
Safety assessment:  
**ADVERSE EVENTS**

## RESULTS

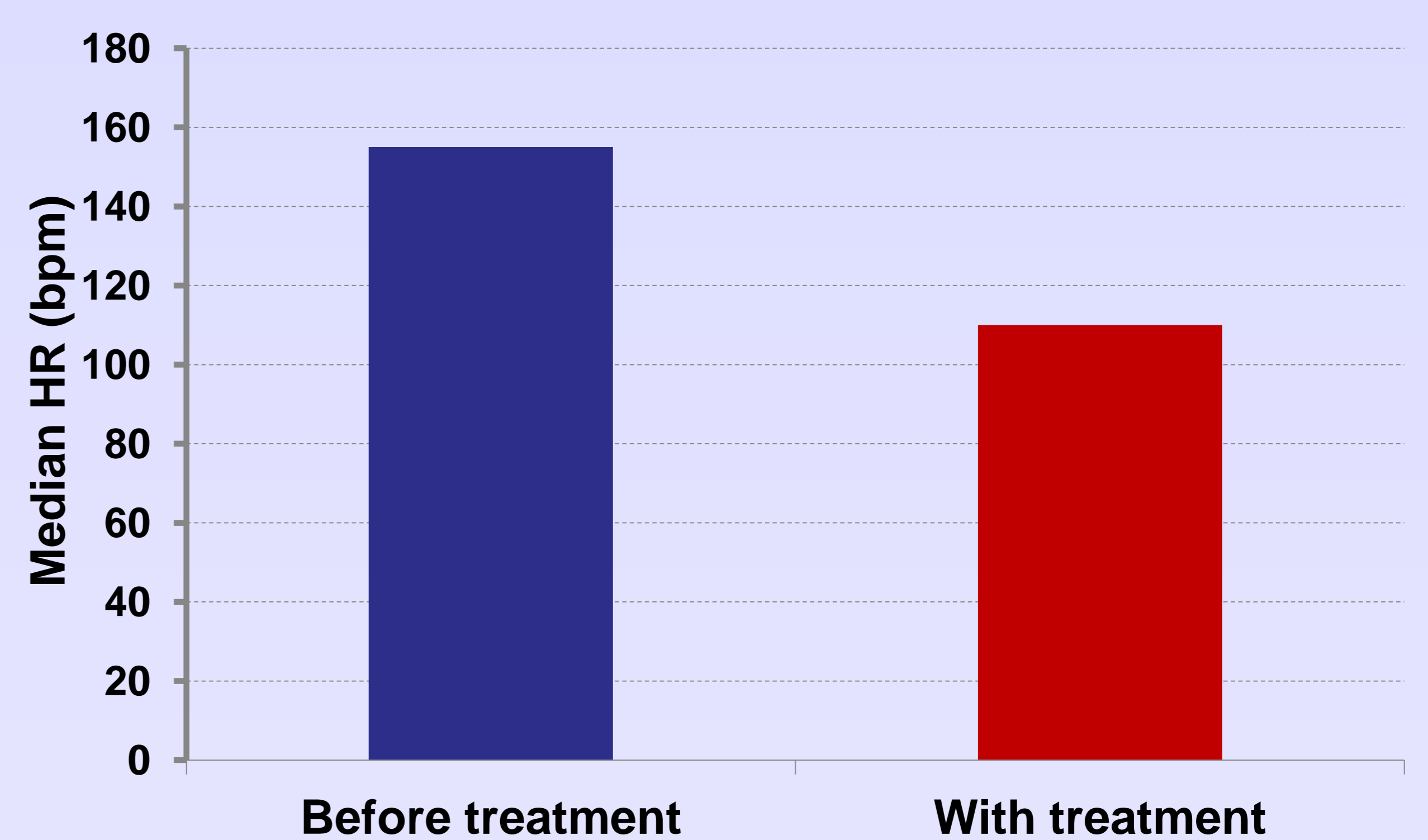
### PATIENTS' CHARACTERISTICS

N	4
Indication: Innapropriate sinus tachycardia	4 (100%)
Median age (years)	5.6 (1.1 – 15.5)
Median starting dose (mg/kg)	0,08 mg/kg/12h

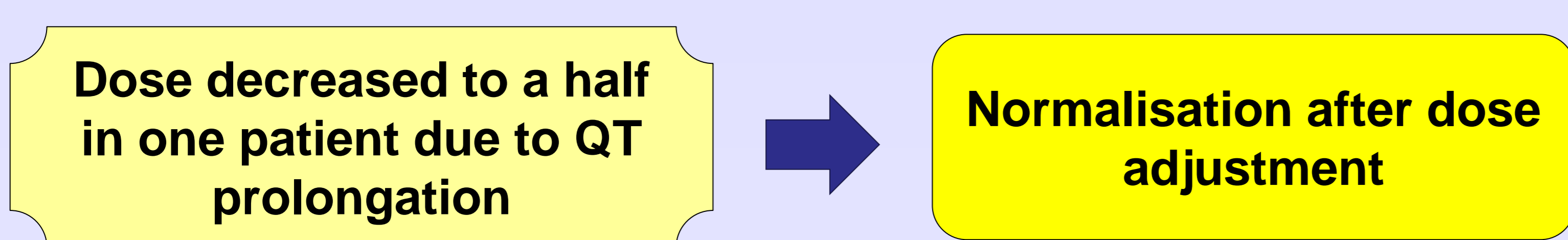
### Response to treatment



### Effect of ivabradine on heart rate (HR)



### SAFETY



## CONCLUSIONS

Ivabradine seemed to be an effective and safe treatment for inappropriate sinus tachycardia in most of our pediatric patients. Nonetheless, more studies are required to confirm these results.