## Clinical application

- 1. Dx exercise intolerance
  - $1.1 \downarrow VO_2 \text{max} \rightarrow \downarrow VO_2 AT$
  - 1.2 RER >1.2 (HRmax is not achieved)
  - 1.3 ↓ breathing reserve < 20% (N=20-40%)
  - 1.4 ↓ SaO<sub>2</sub>
  - $1.5 V_E/VO_2$  (ventilatory equivalent for oxygen) > 40
- 2. Dx exercise-induced bronchospasm (EIB)
- 3. Aerobic fitness evaluation

## Research study

Optimal level of physical activity in children and adolescent with chronic lung disease

## Objectives

To study the optimal level of physical activity in children and adolescents with CLD