

# Clinical application

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1. Dx exercise intolerance
  - 1.1  $\downarrow VO_2\text{max} \rightarrow \downarrow VO_2 \text{ AT}$
  - 1.2  $RER > 1.2$  (HRmax is not achieved)
  - 1.3  $\downarrow$  breathing reserve  $< 20\%$  (N=20-40%)
  - 1.4  $\downarrow SaO_2$
  - 1.5  $V_E/VO_2$  (ventilatory equivalent for oxygen)  $> 40$
2. Dx exercise-induced bronchospasm (EIB)
3. Aerobic fitness evaluation

# Research study

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

# Objectives

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