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## Patient-ventilator interaction in mechanically ventilated children

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## **Stellingen**

1. Adult cut-off values that define severe patient-ventilator asynchrony cannot be used in mechanically ventilated children.

*(This thesis)*

2. Continuous monitoring tools are needed to study the true effects of patient-ventilator asynchrony on clinical outcome.

*(This thesis)*

3. Uniform definitions for subtypes of patient-ventilator asynchrony for children and adults are needed to make progress in future research.

*(This thesis)*

4. A mandatory time-triggered breath can be regarded as the ultimate subtype of patient-ventilator asynchrony.

*(This thesis)*

5. Future research should focus not only on patient-related factors but also on mechanical ventilator factors such as performance.

6. Patient-ventilator asynchrony is dynamic and evolves during the course of mechanical ventilation.

*(This thesis)*

7. Increased level of ventilator support could have a direct effect on patient-ventilator interaction.

*(This thesis)*

8. Not all types of mechanical ventilators are created equal

9. “Waar kijk ik naar,” is een waardevolle opmerking om een research bespreking mee te starten.

*(Prof. dr. M.C.J. Kneyber)*

10. Zorgen moet je doen, niet maken.

*(Loesje)*

11. “Ik heb een ideetje,” is de grootste bedreiging voor het voltooien van een proefschrift.