

Effectiveness of the Pressure Recording Analytical Method in Predicting Fluid Responsiveness in Pediatric Critical Care Patients

NCT04186416

Status RECRUITING
Sponsor Assistance Publique - Hôpitaux de Paris
Enrollment 100 participants

Key Eligibility Criteria

Inclusion (8)

- Children aged 0 to 10 years old, of both sexes.
- Perioperative period of surgery under general anesthesia requiring admission to surgical resuscitation (before and / or after the surgical procedure).
- Patients admitted for severe trauma.
- Patient installation: supine position.
- Intubation and mechanical ventilation: tidal volume: 7 to 8 ml / kg, Positive expiratory pressure : 3-4 cm H2O, inspiration / expiration: 1 / 1.5 to 1/2; respiratory rate: 1 month up to 2 years = 30 / min; children 2-8 years = 20 / min; children > 8 years = 15 / min.

... and 3 more (see full listing online)

Exclusion (6)

- Cardiac rhythm disorders (in particular atrial fibrillation, junctional tachycardia, ventricular arrhythmias), with the exception of sinus tachycardia, respiratory variations of heart rate and sporadic atrial / ventricular extrasystoles whom will allow inclusion.
- Cardiopathy: severe systolic dysfunction (shortening fraction <28%, ejection fraction <50%); valvulopathy (significant narrowing or valvular insufficiency); left-right shunt, persistent arterial duct.
- Unstable hemodynamic status related to active bleeding requiring vascular filling > 2 mL / kg / min or requiring vasopressor or inotropic therapy whose dosage had to be changed in the last five minutes.
- Need for mechanical ventilation with a tidal volume > 10 mL / kg or <7 mL / kg.
- Refusal of the patient or the holders of parental authority to exploit the collected data.

... and 1 more (see full listing online)

Locations (1 total)

Hôpital Necker-Enfants Malades, Paris, France

<https://clinicaltrials.gov/study/NCT04186416>

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