

# Comparison of Two Oxygenation Targets With Two Different Oximeters - Impact on Oxygen Flow Rates and Oxygenation

NCT05590130

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Status	RECRUITING
Phase	Not Applicable
Sponsor	Laval University
Enrollment	40 participants

## Key Eligibility Criteria

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### Inclusion (5)

- e 18years of age
- Patients admitted to postoperative cardiac surgery intensive care unit
- Presence of an arterial catheter Specific for the extubate patient
- Ongoing on conventional oxygen therapy at moderate flow (up to a maximum of 5L/min) with SpO2 between 88 and 100% with the usual oximeter and nasal cannula.
- SpO2  $\leq$  92% ambient air Specific for the intubate patient FiO2  $\leq$  0.60 with SpO2 between 88 and 100% with usual oximeter SpO2  $\leq$  92% with FiO2 0.21

### Exclusion (5)

- No SpO2 signal with oximeter in use
- False nails or nail polish
- Methemoglobinemia  $>$ 0.015 on last available arterial gas
- Patient in isolation (multi-resistant bacteria, C-Difficile, SARS-CoV-2 ...) Specific for the extubate patient
- Expected to use another respiratory support within one hour of inclusion (NIV or nasal high flow oxygen) Planned extubation within one hour of inclusion

## Locations (1 total)

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Institut Universitaire de Cardiologie et de Pneumologie de Québec, Québec, Quebec, Canada

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<https://clinicaltrials.gov/study/NCT05590130>

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