

Advanced Prediction of Respiratory Depression Episode Using the Linshom Continuous Predictive Respiratory Sensor

NCT06744790

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| Status | RECRUITING |
| Sponsor | Linshom Medical, Inc. |
| Enrollment | 320 participants |

Plain Language Summary

This study tests whether a wearable sensor (the Linshom device, worn on the chest) can predict when a patient recovering from surgery might stop breathing adequately — a dangerous complication called respiratory depression — allowing nurses to intervene earlier.

****You may be eligible if...****

- You are 18 or older
- You are recovering from non-cardiac surgery in the post-anesthesia care unit (recovery room)
- You are expected to stay in the hospital at least overnight
- You are receiving supplemental oxygen through a face mask
- You are already on continuous oxygen monitoring

****You may NOT be eligible if...****

- You require a ventilator or invasive breathing support after surgery
- You only received local or topical anesthesia (no general or IV sedation)
- You are having same-day outpatient surgery
- You are unable to cooperate with having the device attached

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (5)

- e18years old undergoing non-cardiac surgery
- Post-operative patients admitted to the PACU and expected to stay in the hospital for at least overnight
- Receiving supplemental oxygen via face mask in the PACU
- On continuous SpO2 saturation monitoring
- Receiving standard postoperative of care

Exclusion (5)

- Requirement for any form of postoperative invasive ventilatory support
- Patients receiving only local or topical anesthesia
- Day/outpatient surgery
- Unable to cooperate with the application of the study device
- Surgical/nursing/anesthesia staff suggest no study-related monitoring because of medical situation

Locations (1 total)

University of Maryland Medical Center, Baltimore, Maryland, United States

<https://clinicaltrials.gov/study/NCT06744790>

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at [ClinicalTrials.gov](https://clinicaltrials.gov). Generated by [ClinicalTrialsFinder.org](https://clinicaltrialsfinder.org).