

# A Study to Investigate of the Effects of Opioid Exposure on the Ability of the Diaphragm Muscle

NCT05856136

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Status	RECRUITING
Phase	Phase 4
Sponsor	Mayo Clinic
Enrollment	69 participants

## Key Eligibility Criteria

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### Inclusion (1)

- Adult male and female patients undergoing lower extremity orthopedic surgery at the study institutions (St. Mary Hospital and Rochester Methodist Hospital within the Mayo Clinic Rochester hospital system).

### Exclusion (3)

- Patients who refuse research participation.
- Patients who are pregnant.
- Patients with known pulmonary pathology (COPD, asthma requiring routine treatment).

## Locations (1 total)

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Mayo Clinic Minnesota, Rochester, Minnesota, United States