

# Blue Light as an Anti-inflammatory and Analgesic Strategy in Thoracic Trauma

NCT06626334

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Status	RECRUITING
Phase	Not Applicable
Sponsor	Rebecca E Kotcher, MD
Enrollment	75 participants

## Key Eligibility Criteria

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### Inclusion (6)

- Age greater than or equal to 18 years
- Admitted to a single large academic level I trauma center (Presbyterian/Montefiore hospital) within the first 48 hours of traumatic injury
- Greater than or equal to 1 acute rib fracture
- Pain related to rib fracture(s), by one or more of the following criteria: 1. Pain  $\geq$  4/10 at rest, 2. Pain  $\geq$  4/10 with incentive spirometer (IS) use, and/or 3. Inspiratory volume  $<$  1000 cc
- Anticipated length of stay greater than or equal to 48 hours
- ... and 1 more (see full listing online)

### Exclusion (10)

- Mechanical ventilation\* or non-invasive positive pressure ventilation administered for respiratory insufficiency prior to the time of informed consent
- Delirium (positive CAM screening) at the time of informed consent
- Ocular trauma, which may interfere with the mechanism of action
- Traumatic brain injury (TBI) or history of TBI or stroke, which may interfere with the mechanism of action
- Splenectomy upon admission or history of splenectomy, which may interfere with the mechanism of action
- ... and 5 more (see full listing online)

## Locations (1 total)

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Presbyterian Hospital, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, United States