

# Positive Pressure Therapy to Optimize LUNG Function After Heart Surgery

NCT06611527

---

Status	RECRUITING
Phase	Not Applicable
Sponsor	Federal University of São Paulo
Enrollment	156 participants

## Key Eligibility Criteria

---

### Inclusion (2)

- Immediate postoperative period of myocardial revascularization and/or valve replacement or plastic surgery;
- Patients in the preoperative period at risk of developing pulmonary complications, characterized by the presence of at least 2 of the following risk factors: age  $\geq$  70 years, productive cough, diabetes, history of smoking, chronic obstructive pulmonary disease (COPD) defined by forced expiratory volume in 1 second (FEV1) lower than 75% of predicted, body mass index (BMI)  $\geq$  27 kg/m<sup>2</sup>, or only FEV1 lower than 80% and FEV1/forced vital capacity (FVC) ratio lower than 70% of predicted; OR patients in the postoperative period (up to 12 hours after extubation) with mild to moderate complications characterized by a pulmonary complication score lower than 3.

### Exclusion (7)

- Hemodynamic instability characterized by mean arterial pressure (MAP) lower than 60mmHg and/or acute arrhythmia of any etiology;
- Need for intra-aortic balloon;
- Duration of invasive mechanical ventilation exceeding 24 hours after surgery;
- Pulmonary complication score  $\geq$  grade 3;
- Presence of signs of acute respiratory failure, such as respiratory rate (f)  $\geq$  25 breaths/min and use of accessory muscles;
- ... and 2 more (see full listing online)

## Locations (1 total)

---

Instituto do Coração - HCFMUSP, São Paulo, São Paulo, Brazil