

Evaluation of AI Models in Determining the Optimal PEEP

NCT06844916

Status	RECRUITING
Sponsor	Kanuni Sultan Suleyman Training and Research Hospital
Enrollment	145 participants

Key Eligibility Criteria

Inclusion (5)

- Patients aged 18 years or older (adult patient group).
- Patients requiring mechanical ventilation in the intensive care unit (ICU).
- Hemodynamically stable patients with stable blood pressure and heart rate.
- Patients with complete medical records, including arterial blood gas values and ventilation parameters.
- Patients whose legal representatives (if applicable) have provided informed consent for study participation.

Exclusion (4)

- Patients receiving extracorporeal membrane oxygenation (ECMO).
- Patients with severe hemodynamic instability, such as refractory hypotension or arrhythmias requiring continuous vasopressor support.
- Patients with incomplete medical records, particularly those missing critical data on ventilation parameters or arterial blood gas analysis.
- Patients or their legal representatives who decline participation in the study.

Locations (1 total)

Health Science University Ostanbul Kanuni Sultan Süleyman Education and Training Hospital, Istanbul, Turkey (Türkiye)