

# Role of Regional Lung Compliance and Dynamic Transpulmonary Driving Pressure in the Liberation Difficulty in Tracheostomized Patients Receiving Prolonged Mechanical Ventilation

NCT07003672

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**Status** RECRUITING  
**Sponsor** National Taiwan University Hospital  
**Enrollment** 120 participants

## Key Eligibility Criteria

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### Inclusion (3)

- Post-tracheostomy patients who are transferred to the subacute respiratory care ward of National Taiwan University Hospital must use respirators for at least 14 days;
- Be at least 20 years old;
- The oxygen concentration required when using the respirator does not exceed 50%

### Exclusion (5)

- The vital signs are unstable or require continuous use of vasopressors;
- Pregnancy;
- Chronic obstructive pulmonary disease or asthma;
- Those who have contraindications to the placement of esophageal pressure balloons, such as abnormal blood coagulation, esophageal varices, and those who have undergone esophageal or gastric surgery in the past six months;
- Those who have contraindications to the use of electrical impedance tomography, such as heart rhythm regulators.

## Locations (1 total)

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National Taiwan University Hospital, Taipei, Taiwan