

Evaluation of the Relevance of Diaphragmatic Stroke Ultrasound for the Etiological Diagnosis of Acute Respiratory Distress in an Emergency Department.

NCT06650137

Status	RECRUITING
Phase	Not Applicable
Sponsor	University Hospital, Montpellier
Enrollment	100 participants

Key Eligibility Criteria

Inclusion (5)

- Patients 18 years of age or older;
- Patient with ARD defined by respiratory rate (RR) strictly superior to 25 and/or signs of struggle which are: thoraco-abdominal rocking, active abdominal breathing, recruitment of extra-diaphragmatic respiratory muscles AND
- peripheral saturation (SpO2) strictly inferior to 90% and/or hypercapnic acidosis (pH strictly inferior to 7.35 and pCO2 strictly superior to 45mmHg) on arterial blood gases;
- Spontaneous ventilation.
- Patients presenting a clinical severity score of Grade 1 with signs of struggle, as well as those with Grade 2 and Grade 3. A clinical severity score will be used as follows: Grade 1: Minimal polypnoea with respiratory rate (RR) between 20 and 25 ; Grade 2: Moderate polypnoea with respiratory rate (RR) between 25 and 35; Grade 3: Major polypnoea with respiratory rate (RR) between 35 to 50.

Exclusion (12)

- Adult protected by law (guardianship, curatorship, legal protection)
- Refusal of consent after information
- Patient on non-invasive ventilation ;
- Patient on mechanical ventilation;
- Respiratory rate superior to 50/min
- ... and 7 more (see full listing online)

Locations (2 total)

University Hospital of Nîmes, Nîmes, Gard, France
University Hospital of Montpellier, Montpellier, Hérault, France