

# Ventilator-associated pneumonia using a heated humidifier or a heat and moisture exchanger

**Submission date**

02/05/2006

**Recruitment status**

No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**

09/06/2006

**Overall study status**

Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**

06/01/2021

**Condition category**

Infections and Infestations

☐ Individual participant data

**Plain English summary of protocol**

Not provided at time of registration

## Contact information

**Type(s)**

Scientific

**Contact name**

Dr Leonardo Lorente

**Contact details**

Intensive Care Unit

Hospital Universitario de Canarias

Ofra s/n

La Laguna

Spain

38320

## Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

N/A

# Study information

## Scientific Title

Ventilator-associated pneumonia using a heated humidifier or a heat and moisture exchanger

## Study objectives

Patients mechanically ventilated for more than 5 days may develop lower ventilator-associated pneumonia with a heated humidifier than with a heat and moisture exchanger.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Ethics Committee of the University Hospital of the Canaries on 05/02/2004

## Study design

Randomized controlled trial

## Primary study design

Interventional

## Secondary study design

Randomised controlled trial

## Study setting(s)

Not specified

## Study type(s)

Treatment

## Participant information sheet

## Health condition(s) or problem(s) studied

Pneumonia

## Interventions

Humidification with a heated humidifier or a heat and moisture exchanger

## Intervention Type

Other

## Phase

Not Specified

## Primary outcome measure

Heated humidifier decreases ventilator-associated pneumonia incidence

## Secondary outcome measures

Heated humidifier decreases secondary endogenous ventilator-associated pneumonia

**Overall study start date**

01/01/2005

**Completion date**

31/12/2005

## Eligibility

**Key inclusion criteria**

Patients expected to require mechanical ventilation for more than 5 days

**Participant type(s)**

Patient

**Age group**

Adult

**Sex**

Both

**Target number of participants**

120

**Total final enrolment**

120

**Key exclusion criteria**

1. Age <18 years
2. Human immunodeficiency virus (HIV)
3. Blood leukocytes counts <1000 cells per mm<sup>3</sup>
4. Solid or hematological tumour
5. Immunosuppressive therapy

**Date of first enrolment**

01/01/2005

**Date of final enrolment**

31/12/2005

## Locations

**Countries of recruitment**

Spain

**Study participating centre**

**Intensive Care Unit**

La Laguna

Spain

38320

## Sponsor information

**Organisation**

University Hospital of the Canaries (Hospital Universitario de Canarias) (Spain)

**Sponsor details**

Ofra s/n

La Laguna

Spain

38320

**Sponsor type**

University/education

**ROR**

<https://ror.org/05qndj312>

## Funder(s)

**Funder type**

University/education

**Funder Name**

University Hospital of the Canaries

## Results and Publications

**Publication and dissemination plan**

Not provided at time of registration

**Intention to publish date****Individual participant data (IPD) sharing plan****IPD sharing plan summary**

Not provided at time of registration

**Study outputs**

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	01/11/2006		Yes	No