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

Submission date Recruitment status Prospectively registered 02/05/2006 No longer recruiting [ ] Protocol Statistical analysis plan Registration date Overall study status 09/06/2006 Completed [X] Results Individual participant data Last Edited Condition category 06/01/2021 Infections and Infestations

# 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

Protocol serial number 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

## Study type(s)

Treatment

#### 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(s)

Heated humidifier decreases ventilator-associated pneumonia incidence

# Key secondary outcome(s))

Heated humidifier decreases secondary endogenous ventilator-associated pneumonia

# Completion date

31/12/2005

# Eligibility

# Key inclusion criteria

Patients expected to require mechanical ventilation for more than 5 days

# Participant type(s)

Patient

# Healthy volunteers allowed

No

#### Age group

Adult

#### Sex

All

#### Total final enrolment

120

# Key exclusion criteria

- 1. Age < 18 years
- 2. Human immunodeficiency virus (HIV)
- 3. Blood leukocytes counts <1000 cells per mm^3
- 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)

#### **ROR**

https://ror.org/05qndj312

# Funder(s)

# Funder type

University/education

# Funder Name

University Hospital of the Canarias

# **Results and Publications**

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?
Results article	results	01/11/2006		Yes	No