

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

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| Submission date 02/05/2006 | Recruitment status No longer recruiting | <input type="checkbox"/> Prospectively registered |
| Registration date 09/06/2006 | Overall study status Completed | <input type="checkbox"/> Protocol |
| Last Edited 06/01/2021 | Condition category Infections and Infestations | <input type="checkbox"/> Statistical analysis plan |
| | | <input checked="" type="checkbox"/> Results |
| | | <input type="checkbox"/> 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

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 mm³
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 |