

# Usefulness of a three-step guideline to reduce length of hospital stay for patients with community-acquired pneumonia: a randomised controlled trial

**Submission date**  
18/04/2006

**Recruitment status**  
No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**  
17/05/2006

**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

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### Contact details

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## Additional identifiers

### Protocol serial number

FIS 040139

# Study information

## Scientific Title

Usefulness of a three-step guideline to reduce length of hospital stay for patients with community-acquired pneumonia: a randomised controlled trial

## Study objectives

The implementation of a three-step guideline would be effective and safe in reducing length of stay for hospitalized patients with community-acquired pneumonia

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Approved by the Ethics Committee of the University of Bellvitge (Comite Etic d'Investigació de l'Hospital Universitari de Bellvitge), July 2004, reference number: 05/FIS-008

## Study design

Randomised controlled trial

## Primary study design

Interventional

## Study type(s)

Treatment

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

Community-acquired pneumonia

## Interventions

Patients will be randomly assigned to one of two groups:

1. Use of a three-step guideline, including early mobilization, and pre-defined criteria for switch antibiotic therapy and hospital discharge
2. Control group (conventional management)

## Intervention Type

Other

## Phase

Not Specified

## Primary outcome(s)

Length of hospital stay

## Key secondary outcome(s))

1. Time to switch
2. Readmission (<30 days)
3. Overall mortality (<30 days)
4. Satisfaction with care

**Completion date**

31/12/2007

## Eligibility

**Key inclusion criteria**

Immunocompetent adults (aged >18 years) who have received a diagnosis of community-acquired pneumonia in the emergency department and are admitted to the hospital

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Sex**

All

**Total final enrolment**

401

**Key exclusion criteria**

1. Severe immunosuppression (neutropenia, transplantation, human immunodeficiency virus [HIV] infection)
2. Imminent death
3. Intensive care unit (ICU) admission
4. Shock
5. Complicated pleural effusion
6. Aspiration pneumonia
7. Social problem (homelessness)
8. Not able to drink and eat
9. Absence of written informed consent

**Date of first enrolment**

24/04/2006

**Date of final enrolment**

31/12/2007

## Locations

**Countries of recruitment**

Spain

**Study participating centre**  
**Infectious Disease Service**  
Barcelona  
Spain  
08907

## Sponsor information

**Organisation**  
Spanish National Health Service (Fondo de Investigación Sanitaria)

## Funder(s)

**Funder type**  
Government

**Funder Name**  
Investigation of Sanitary Funding (Fondo de Investigación Sanitaria) IDIBELL

## 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?
<a href="#">Results article</a>	results	25/06/2012		Yes	No