

# Implementation of De-Escalation Algorithm in patients with ventilator-associated pneumonia at two anaesthesiological intensive care units (ICUs) of Charité - University Medicine Berlin

<b>Submission date</b> 03/03/2009	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 29/06/2009	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 29/06/2009	<b>Condition category</b> Respiratory	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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13353

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
EA1/209/08

# Study information

## Scientific Title

Implementation of De-Escalation Algorithm in patients with ventilator-associated pneumonia at two anaesthesiological intensive care units (ICUs) of Charité - University Medicine Berlin: a prospective observational single centre trial

## Acronym

De-Escalation Algorithm

## Study objectives

The implementation of evidence-based de-escalation algorithm in ventilator-associated pneumonia (VAP) will increase the rate of appropriate targeted antimicrobial therapy in order to improve patient outcomes.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Ethics Committee of Charité - University Medicine Berlin approved on the 16th February 2009 (ref: EA1/209/08)

## Study design

Prospective observational single centre cohort study

## Primary study design

Observational

## Secondary study design

Cohort study

## Study setting(s)

Hospital

## Study type(s)

Treatment

## Participant information sheet

Not available in web format, please use the contact details below to request a patient information sheet

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

Ventilator-associated pneumonia

## Interventions

After distribution of the de-escalation algorithm, clinician teams will be asked to treat the patients with suspicion of VAP according to algorithm. It will be left to their discretion, whether to adhere to the algorithm in whole or in part or not at all.

## Intervention Type

Other

**Phase**

Not Applicable

**Primary outcome measure**

Number of patients with appropriate de-escalation according to VAP algorithm, assessed at the end of data collection.

**Secondary outcome measures**

1. Number of antibiotic-free days
2. Number of ventilator-free days
3. Number of organ dysfunctions
4. Length of ICU stay
5. Length of hospital stay
6. Rate of super-infections with multidrug resistant (MDR) species (P. aeruginosa, methicillin-resistant S. aureus etc.)
7. Therapy costs

All assessed at the end of data collection.

**Overall study start date**

03/03/2009

**Completion date**

03/03/2010

**Eligibility**

**Key inclusion criteria**

1. Intensive care unit (ICU) patients aged greater than 18 years, either sex
2. On mechanical ventilation for greater than or equal to 48 hours
3. Presenting with systemic inflammatory response syndrome (SIRS) and radiologically suggested new infiltrate

**Participant type(s)**

Patient

**Age group**

Adult

**Lower age limit**

18 Years

**Sex**

Both

**Target number of participants**

200

**Key exclusion criteria**

1. Aged less than 18 years
2. Other unknown infectious focus
3. Severe immune suppression (defined as corticosteroid doses of more than 7.5 mg of prednisolone equivalent for longer than 30 days, or other immuno-suppressive drugs)
4. Acquired immune deficiency syndrome (AIDS)/human immunodeficiency virus (HIV)
5. Moribund patients

**Date of first enrolment**

03/03/2009

**Date of final enrolment**

03/03/2010

**Locations****Countries of recruitment**

Germany

**Study participating centre**

Augustenburger Platz 1

Berlin

Germany

13353

**Sponsor information****Organisation**

Charité - University Medicine Berlin (Charité - Universitätsmedizin Berlin) (Germany)

**Sponsor details**

Chariteplatz 1

Berlin

Germany

10117

**Sponsor type**

Hospital/treatment centre

**Website**

<http://www.charite.de/>

**ROR**

<https://ror.org/001w7jn25>

# Funder(s)

## Funder type

Hospital/treatment centre

## Funder Name

Charité - University Medicine Berlin (Charité - Universitätsmedizin Berlin) (Germany)

# 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