

# Impact of adrenal gland volume on outcome of septic shock patients

**Submission date**  
21/03/2010

**Recruitment status**  
No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**  
27/04/2010

**Overall study status**  
Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**  
05/10/2011

**Condition category**  
Nutritional, Metabolic, Endocrine

☐ 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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France  
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## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
None

# Study information

## Scientific Title

Impact of adrenal gland volume measured non invasively with a CT scan on outcome of septic shock patients admitted in the Intensive Care Unit: A single centre, observational trial

## Study objectives

1. To assess the impact of adrenal gland volume measured non invasively with a CT scan on outcome of septic shock patients admitted in the Intensive Care Unit.
2. To compare adrenal gland volume between septic and non septic patients.
3. To examine the relationship between adrenal gland volume and adrenal gland function assessed by hormonal tests.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Local ethics committee approval

## Study design

Single centre observational study

## Primary study design

Observational

## Secondary study design

Cohort study

## Study setting(s)

Hospital

## Study type(s)

Diagnostic

## Participant information sheet

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

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

Septic Shock; Adrenal gland; Critical Illness related Corticoid Insuffisency

## Interventions

Observational trial of patients receiving routine care with an abdominal CT scan

## Intervention Type

Other

## Phase

Not Applicable

**Primary outcome measure**

Mortality at day 28

**Secondary outcome measures**

1. ICU length of mechanical ventilation
2. ICU length of stay
3. Adrenal function in univariate and multivariate analysis
4. Adrenal gland volume comparison between septic and non septic patients

**Overall study start date**

01/03/2007

**Completion date**

01/05/2010

**Eligibility****Key inclusion criteria**

1. Septic shock patients: septic shock defined using the Bone guidelines (Bone et al, Chest 1992; 101(6):1644-55) admitted in the ICU and explored both with a short cosyntropin test and an abdominal CT scan
2. Non septic patients admitted to Intensive Care Unit with explored abdominal CT scan
3. Outpatients clinic patients explored for abdominal pain with a normal CT scan
4. Male and female, age  $\geq 18$

**Participant type(s)**

Patient

**Age group**

Adult

**Lower age limit**

18 Years

**Sex**

Both

**Target number of participants**

150

**Key exclusion criteria**

1. Chronic steroid consumption
2. Adrenal gland specific pathology prior to admission

**Date of first enrolment**

01/03/2007

**Date of final enrolment**

01/05/2010

# Locations

## Countries of recruitment

France

## Study participating centre

Service d'Anesthésie-Réanimation B

Montpellier

France

34295

# Sponsor information

## Organisation

University Teaching Hospital of Montpellier (CHU de Montpellier) (France)

## Sponsor details

191 Avenue du Doyen Gaston Giraud

Montpellier

France

34295

## Sponsor type

Hospital/treatment centre

## ROR

<https://ror.org/00mthsf17>

# Funder(s)

## Funder type

Hospital/treatment centre

## Funder Name

Saint Eloi Hospital (France) - Intensive Care and Transplantation Unit (Unité de Réanimation et Transplantation)

# 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	01/08/2011		Yes	No