

# 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**  
Prof Samir Jaber

**Contact details**  
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Montpellier  
France  
34295

## Additional identifiers

**Protocol serial number**  
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

**Primary study design**

Observational

**Study design**

Single centre observational study

**Study type(s)**

Diagnostic

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

Septic Shock; Adrenal gland; Critical Illness related Corticoid Insufficiency

**Interventions**

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

**Intervention Type**

Other

**Phase**

Not Applicable

**Primary outcome(s)**

Mortality at day 28

**Key secondary outcome(s)**

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

**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

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 Years

**Sex**

All

**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)

## 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

### 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