Impact of adrenal gland volume on outcome of septic shock patients

Submission date	Recruitment status	Prospectively registered		
21/03/2010	No longer recruiting	☐ Protocol		
Registration date	Overall study status	Statistical analysis plan		
27/04/2010	Completed	[X] Results		
Last Edited	Condition category	[] Individual participant data		
05/10/2011	Nutritional, Metabolic, Endocrine			

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Prof Samir Jaher

Contact details

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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

Study design

Single centre observational study

Primary study design

Observational

Study type(s)

Diagnostic

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(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 results	Date created Date added Peer reviewed? Patient-facing?			
Results article		01/08/2011		Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes