

EEG reactivity study

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON26114

Source

NTR

Brief title

ERS

Health condition

"cardiac arrest"; "resuscitation"; "post-anoxia"; "post-anoxic coma"; "hartstilstand"; "reanimatie"; "EEG"; "EEG reactivity"; "EEG reactiviteit"; "continuous EEG"; "continue EEG registratie"

Sponsors and support

Primary sponsor: Academic Medical Center Amsterdam (AMC)

Source(s) of monetary or material Support: Academic Medical Center Amsterdam (AMC)

Intervention

Outcome measures

Primary outcome

Best neurological outcome (Cerebral performance category scale) at 3 months

Secondary outcome

Best neurological outcome at hospital discharge;

Best neurological outcome at 6 months

Study description

Background summary

Part of regular EEG examination is testing whether the EEG changes upon external stimulation, EEG reactivity. However, testing protocol and definition of EEG reactivity is often not clearly defined. Despite this, in cardiac arrest patients, reactivity is thought to be a reliable prognosticator. We aim to determine the prognostic value and added value besides other markers for prognosis of EEG reactivity testing in cardiac arrest patients.

Study objective

Absence of EEG reactivity predicts outcome after cardiac arrest

Study design

ICU discharge; 3 months post-resuscitation; 6 months post-resuscitation

Intervention

None

Contacts

Public

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Eligibility criteria

Inclusion criteria

- patients after cardiac arrest
- age of 18 or older
- continuous EEG monitoring with at least 8 electrodes started within 24h post-resuscitation
- Targeted temperature management treatment as per hospital protocol

Exclusion criteria

- Known history of another medical condition with life expectancy <6 months
- Any progressive brain illness, such as a brain tumor or neurodegenerative disease Pre-admission
- Modified Rankin Scale of 4 or lower
- Reason other than neurological condition to withdraw treatment
- Follow-up impossible due to logistic reasons
- Severe head injury

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Recruiting

Start date (anticipated):	27-04-2015
Enrollment:	160
Type:	Anticipated

Ethics review

Positive opinion	
Date:	18-12-2016
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL6084
NTR-old	NTR6231
Other	: W15_287 # 15.0356

Study results

Summary results

Admiraal M.M., van Rootselaar A.F. and Horn J., EEG reactivity in unconscious patients; A systematic review of methods and definitions, European Journal of Neurology 2016, DOI:10.1111/ene.13219