

A randomised clinical trial of cardiopulmonary resuscitation (CPR) prior to defibrillation for the treatment of out-of-hospital ventricular fibrillation

| | | |
|--|---|--|
| Submission date 27/03/2003 | Recruitment status No longer recruiting | <input type="checkbox"/> Prospectively registered |
| | | <input type="checkbox"/> Protocol |
| Registration date 27/03/2003 | Overall study status Completed | <input type="checkbox"/> Statistical analysis plan |
| | | <input checked="" type="checkbox"/> Results |
| Last Edited 25/09/2009 | Condition category Circulatory System | <input type="checkbox"/> Individual participant data |

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Professor Ian Jacobs

Contact details

Department of Emergency Medicine
University of Western Australia
35 Stirling Hwy
Nedlands
Australia
6009
+61 8 9346 4354
ijacobs@cyllene.uwa.edu.au

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

RA/4/1/0029

Study information

Scientific Title

Study objectives

90 seconds of CPR before defibrillation improves survival in patients suffering a cardiac arrest outside of hospital.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Not specified

Study type(s)

Not Specified

Participant information sheet

Health condition(s) or problem(s) studied

Cardiac Arrest

Interventions

Patients meeting the above criteria were randomised to receive either defibrillation as soon as possible in line with existing treatment guidelines (Control arm) or 90 seconds of oxygen supplemented CPR before defibrillation (Experimental arm).

Primary outcomes assessed include return of spontaneous circulation (ROSC), survival to hospital discharge and neurological status (Cerebral Performance Category).

Intervention Type

Other

Phase

Not Specified

Primary outcome measure

Survival to hospital discharge.

Secondary outcome measures

1. Return of spontaneous circulation.
2. Survival at one year

Overall study start date

01/06/2000

Completion date

30/06/2002

Eligibility

Key inclusion criteria

All patients older than 16 years suffering cardiac arrest outside of hospital in which the underlying cardiac rhythm was ventricular fibrillation upon arrival of Ambulance Paramedics

Participant type(s)

Patient

Age group

Adult

Sex

Both

Target number of participants

256

Key exclusion criteria

1. Patients with known allergies to Fentanyl
2. Patients unable to receive intranasal fentanyl due to facial and / or nasal trauma
3. Patients who are pregnant

Date of first enrolment

01/06/2000

Date of final enrolment

30/06/2002

Locations

Countries of recruitment

Australia

Study participating centre
Department of Emergency Medicine
Nedlands
Australia
6009

Sponsor information

Organisation

Western Australian Prehospital Care Research Unit (Australia)

Sponsor details

Department of Emergency Medicine
University of Western Australia
Nedlands
Australia
6009

Sponsor type

Hospital/treatment centre

Website

<http://www.uwa.edu.au/>

Funder(s)

Funder type

Charity

Funder Name

National Heart Foundation of Australia (Australia)

Alternative Name(s)

Heart Foundation

Funding Body Type

Private sector organisation

Funding Body Subtype

Trusts, charities, foundations (both public and private)

Location

Australia

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? |
|---------------------------------|---------|--------------|------------|----------------|-----------------|
| Results article | results | 01/02/2005 | | Yes | No |