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Cardiopulmonary resuscitation (CPR) quality improvement programme

Submission date 30/11/2010	**Recruitment status** No longer recruiting	[_] Prospectively registered [X] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 05/07/2011	**Overall study status** Completed	
Last Edited 04/02/2016	**Condition category** Circulatory System	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
PB-PG-1207-14246

Study information

Scientific Title
Cardiopulmonary resuscitation (CPR) quality improvement programme: a multicentre, prospective, cohort study

Study objectives
Implementing a CPR quality improvement initiative will improve the rate of return of spontaneous circulation and other outcomes in patients sustaining cardiac arrest

Ethics approval required
Old ethics approval format

Ethics approval(s)
Coventry Research Ethics Committee, 26/06/2009, REC ref: 09/H1210/65

Study design
Multicentre prospective cohort study

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
Hospital

Study type(s)
Treatment

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

Health condition(s) or problem(s) studied
In-hospital cardiac arrests

Interventions
1. Control
2. CPR feedback through Q-CPR® (Laerdal medical, UK)
3. CPR feedback through Q-CPR® (Laerdal medical, UK) plus team briefing / debriefing

Intervention Type
Other

Phase
Not Applicable

Primary outcome measure

Survived event [defined as sustained (> 20 minutes) return of spontaneous circulation]

Secondary outcome measures
1. Patient outcomes
1.1. Any return of spontaneous circulation
1.2. Survival to hospital discharge
1.3. Cerebral performance category of patients at discharge
2. Process outcomes
2.1. Quality of emergency calls
2.2. Chest compression depth, rate
2.3. No flow time
2.4. Duration of pre and post-shock pauses
2.5. Ventilation rate
2.6. time to first shock
2.7.Appropriate decision to shock
3. Team factors
3.1. CPR knowledge
3.2. Confidence / preparedness

Overall study start date
01/11/2009

Completion date
31/01/2013

Eligibility

Key inclusion criteria
Patients have to be either 18 or older and suffer an in-hospital cardiac arrest where resuscitation is attempted (defined as loss of a pulse requiring the delivery of chest compressions).

Participant type(s)
Patient

Age group
Adult

Lower age limit
18 Years

Sex
Both

Target number of participants
912

Key exclusion criteria
1. Patient has a Do-not-attempt resuscitation order written and documented in their medical records
2. Cardiac arrest not attended by a resuscitation team

3. Out - of - hospital cardiac arrest
4. Previous participation in this study

Date of first enrolment
01/11/2009

Date of final enrolment
31/01/2013

Locations

Countries of recruitment
England

United Kingdom

Study participating centre
Warwick Medical School Clinical Trials Unit
Coventry
United Kingdom
CV4 7AL

Sponsor information

Organisation
Heart of England NHS Foundation Trust (UK)

Sponsor details
c/o Elizabeth Adey
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Sponsor type
Hospital/treatment centre

Funder(s)

Funder type
Government

Funder Name
National Institute for Health Research (NIHR) (UK) - Research for Patient Benefit (RfPB) programme (PB-PG-1207-14246)

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?
Protocol article	protocol	18/10/2011		Yes	No
Results article	results	01/11/2015		Yes	No