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Cardiopulmonary resuscitation (CPR) quality improvement programme

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

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
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

Primary study design
Interventional

Study design
Multicentre prospective cohort study

Study type(s)
Treatment

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

Key secondary outcome(s)
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

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

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
18 Years

Sex
All

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
United Kingdom

England

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

Sponsor information

Organisation
Heart of England NHS Foundation Trust (UK)

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

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