

# Contribution of inflammatory mechanisms to myocardial and vascular injury in coronary reperfusion

<b>Submission date</b> 07/07/2010	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 07/07/2010	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 12/08/2016	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

**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**  
4610

# Study information

## Scientific Title

Contribution of inflammatory mechanisms to myocardial and vascular injury in coronary reperfusion

## Acronym

CRF & Endothelial Function

## Study objectives

This is an observational study investigating the role of inflammation in myocardial microvascular injury following coronary angioplasty and stenting.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

MREC approved (ref: 05/Q1502/72)

## Study design

Single centre non-randomised observational trial

## Primary study design

Observational

## Secondary study design

Cohort study

## Study setting(s)

Hospital

## Study type(s)

Treatment

## Participant information sheet

## Health condition(s) or problem(s) studied

Topic: Cardiovascular; Subtopic: Cardiovascular (all Subtopics), Generic Health Relevance (all Subtopics); Disease: Cardiovascular, Other

## Interventions

Patients undergo measurement of inflammatory markers pre- and post-angioplasty and measurement of microvascular function pre- and post-PCI.

Study entry: registration only

## Intervention Type

Other

## Phase

Phase III

**Primary outcome measure**

Degree of change of microvascular function post-PCI

**Secondary outcome measures**

Not provided at time of registration

**Overall study start date**

01/04/2006

**Completion date**

14/10/2009

## **Eligibility**

**Key inclusion criteria**

1. Undergoing single vessel percutaneous coronary intervention (PCI) in left anterior descending (LAD) or circumflex (Cx) artery
2. Without other significant coronary disease

**Participant type(s)**

Patient

**Age group**

Not Specified

**Sex**

Both

**Target number of participants**

Planned sample size: 50

**Key exclusion criteria**

1. Recent acute coronary syndrome (ACS)
2. Other inflammatory disease
3. Asthma

**Date of first enrolment**

01/04/2006

**Date of final enrolment**

14/10/2009

## **Locations**

**Countries of recruitment**

England

United Kingdom

**Study participating centre**  
**The Cardiothoracic Centre**  
Liverpool  
United Kingdom  
L14 3PE

## **Sponsor information**

### **Organisation**

Royal Liverpool University Hospital (UK)

### **Sponsor details**

Research & Development, 4th Floor  
Linda McCartney Centre  
Prescot Street  
Liverpool  
England  
United Kingdom  
L7 8XP

### **Sponsor type**

Hospital/treatment centre

### **Website**

<http://www.rlbuht.nhs.uk/>

### **ROR**

<https://ror.org/01ycr6b80>

## **Funder(s)**

### **Funder type**

Charity

### **Funder Name**

British Heart Foundation

### **Alternative Name(s)**

the\_bhf, The British Heart Foundation, BHF

### **Funding Body Type**

Private sector organisation

**Funding Body Subtype**

Trusts, charities, foundations (both public and private)

**Location**

United Kingdom

## **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