

# Real-time telemonitoring (RTTM) versus conventional care in the management of glycaemia and blood pressure in diabetic patients

**Submission date**  
29/04/2008

**Recruitment status**  
No longer recruiting

Prospectively registered

**Registration date**  
12/02/2009

**Overall study status**  
Completed

Protocol

Statistical analysis plan

Results

**Last Edited**  
10/11/2010

**Condition category**  
Nutritional, Metabolic, Endocrine

Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Dr Kenneth Earle

**Contact details**  
Thomas Addison Diabetes Unit  
St George's Hospital NHS Trust  
Blackshaw Road  
London  
United Kingdom  
SW17 0QT

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**

## Study information

### Scientific Title

Randomised parallel group controlled trial of real-time telemonitoring (RTTM) versus conventional care in the management of glycaemia and blood pressure in patients with diabetes mellitus

### Study objectives

Randomised parallel group controlled trial of real-time telemonitoring (RTTM) versus conventional care in the management of glycaemia and blood pressure in patients with diabetes mellitus.

### Ethics approval required

Old ethics approval format

### Ethics approval(s)

Wandsworth Local Research Ethics Committee, St George's Hospital gave approval on the 26th September 2005 (ref: 05/Q0803/128)

### Study design

Randomised controlled 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

Diabetes mellitus

### Interventions

This study is a randomised controlled trial. Patients will be recruited from the diabetes clinic at St George's Hospital to obtain consents. In the initial visit the demographic and the clinical data are collected in a standard proformas. The patients are then invited for a second visit to be randomised to either RTTM or conventional care.

The patients in the RTTM group are trained on how to self-monitor their blood glucose and weekly blood pressure using devices to transmit the data wirelessly via a mobile phone to a central server in St George's Hospital which are viewed by clinicians using a web-based tool.

The patients in the conventional care (control) group will receive their management entirely from their general practitioner and/or practice nurse in the community.

All patients from both groups will be invited for reassessment of baseline parameters after 6 months at St George's Hospital by the researcher.

### **Intervention Type**

Other

### **Phase**

Not Specified

### **Primary outcome measure**

1. Improvement of blood pressure, measured at baseline and 6 months
2. Good diabetes control, measured at baseline and 6 months

### **Secondary outcome measures**

No secondary outcome measures.

### **Overall study start date**

01/06/2006

### **Completion date**

01/06/2009

## **Eligibility**

### **Key inclusion criteria**

1. Ambulant male and females over 18 years of age
2. Diabetes mellitus

### **Participant type(s)**

Patient

### **Age group**

Adult

### **Lower age limit**

18 Years

### **Sex**

Both

### **Target number of participants**

200

**Key exclusion criteria**

1. Pregnancy
2. Malignancy

**Date of first enrolment**

01/06/2006

**Date of final enrolment**

01/06/2009

**Locations****Countries of recruitment**

England

United Kingdom

**Study participating centre**

**Thomas Addison Diabetes Unit**

London

United Kingdom

SW17 0QT

**Sponsor information****Organisation**

Motorola Inc. (USA)

**Sponsor details**

c/o Mr Jorge Perdomo

Delaware Corporation

8000 W. Sunrise Boulevard

Plantation

Florida

United States of America

FL 33322

**Sponsor type**

Industry

**Website**

<http://www.motorola.com/>

**ROR**

<https://ror.org/01hafxd32>

# Funder(s)

## Funder type

Industry

## Funder Name

Motorola Inc. (USA)

# 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?
<a href="#">Results article</a>	results	01/07/2010		Yes	No