

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

☐ Protocol

Registration date
12/02/2009

Overall study status
Completed

☐ 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

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Contact details

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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?
Results article	results	01/07/2010		Yes	No