

# A Pilot study to evaluate the Clinical Application of Ultrasound Elastography

<b>Submission date</b> 18/06/2010	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 18/06/2010	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 29/08/2013	<b>Condition category</b> Surgery	<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

**Contact name**  
Dr Susan Freeman

**Contact details**  
Addenbrooke's Hospital  
Radiology Department  
Hills Road  
Cambridge  
United Kingdom  
CB2 0QQ  
+44 (0)1223 245 151 ext. 2533

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
5260

# Study information

## Scientific Title

## Acronym

Ultrasound Elastography

## Study objectives

Ultrasound elastography is a non-invasive ultrasound method which evaluates the deformability of a structure. The principle of elastography is the utilisation of tissue compression producing varying levels of strain within different tissue types. 'Strain images' obtained can then be analysed to assess the mechanical properties of tissues and infer their size and nature.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

MREC approved (ref: 07/H0306/90)

## Study design

Single centre non-randomised interventional diagnosis, prevention and screening trial

## Primary study design

Interventional

## Secondary study design

Non randomised controlled trial

## Study setting(s)

Hospital

## Study type(s)

Prevention

## Participant information sheet

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

Topic: Generic Health Relevance and Cross Cutting Themes; Subtopic: Generic Health Relevance (all Subtopics); Disease: Other

## Interventions

Ultrasound elastography

## Intervention Type

Procedure/Surgery

## Phase

Not Applicable

**Primary outcome measure**

Assess the ability to obtain strain images from different tissues of the body, e.g. abdomen, pelvis, head and neck, breast, testes and soft tissues

**Secondary outcome measures**

Evaluate accuracy of ultrasound elastography compared with standard ultrasound

**Overall study start date**

01/08/2007

**Completion date**

01/12/2010

**Eligibility****Key inclusion criteria**

Not provided at time of registration

**Participant type(s)**

Patient

**Age group**

Not Specified

**Sex**

Not Specified

**Target number of participants**

Planned sample size: 600

**Key exclusion criteria**

Not provided at time of registration

**Date of first enrolment**

01/08/2007

**Date of final enrolment**

01/12/2010

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

England

United Kingdom

**Study participating centre**

**Addenbrooke's Hospital**  
Cambridge  
United Kingdom  
CB2 0QQ

## **Sponsor information**

### **Organisation**

Cambridge University Hospitals NHS Foundation Trust (UK)

### **Sponsor details**

Addenbrookes Hospital  
Hills Road  
Cambridge  
England  
United Kingdom  
CB2 0QQ

### **Sponsor type**

Hospital/treatment centre

### **Website**

[http://www.cuh.org.uk/addenbrookes/addenbrookes\\_index.html](http://www.cuh.org.uk/addenbrookes/addenbrookes_index.html)

### **ROR**

<https://ror.org/04v54gj93>

## **Funder(s)**

### **Funder type**

Research council

### **Funder Name**

Engineering and Physical Sciences Research Council (EPSRC) (UK)

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

UKRI Engineering and Physical Sciences Research Council, Engineering and Physical Sciences Research Council - UKRI, Engineering & Physical Sciences Research Council, EPSRC

### **Funding Body Type**

Government organisation

### **Funding Body Subtype**

National government

**Location**

United Kingdom

**Funder Name**

The Wellcome Trust (UK)

## **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