

# A pilot study to examine the effect of vitamin C on bone turnover and antioxidant levels in postmenopausal women with low bone density.

<b>Submission date</b> 30/09/2005	<b>Recruitment status</b> Stopped	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 30/09/2005	<b>Overall study status</b> Stopped	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 16/12/2010	<b>Condition category</b> Musculoskeletal Diseases	<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 Sanjeev Patel

### Contact details

Epsom and St Helier NHS Trust  
Department of Rheumatology  
St Helier Hospital  
Wrythe Lane  
Carshalton  
United Kingdom  
SM5 1AA

## Additional identifiers

### Protocol serial number

N0112150254

## Study information

### Scientific Title

**Study objectives**

Does Vitamin C (a natural antioxidant) reduces bone turnover in women with postmenopausal osteoporosis?

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Not provided at time of registration

**Study design**

Randomised controlled trial

**Primary study design**

Interventional

**Study type(s)**

Not Specified

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

Musculoskeletal Diseases: Osteoporosis

**Interventions**

Open label, randomised Study

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

Changes in biochemical markers and antioxidant levels from baseline to end of study in vitamin C group. Group compared to controls

**Key secondary outcome(s)**

Not provided at time of registration

**Completion date**

01/11/2005

**Reason abandoned (if study stopped)**

Objectives no longer viable

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

Postmenopausal women with low bone density. Consenting healthy postmenopausal women with low bone density; osteopenia (Tscore<-1.0) as defined by the WHO 1994.

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Senior

**Sex**

All

**Key exclusion criteria**

On treatment for osteoporosis or taking any bone active drugs (e.g. oestrogens, steroids, vitamin D) or known to be suffering from diseases which can affect the skeleton such as renal or liver failure, malabsorption, thyrotoxicosis).

**Date of first enrolment**

01/11/2004

**Date of final enrolment**

01/11/2005

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

United Kingdom

England

**Study participating centre**

Epsom and St Helier NHS Trust

Carshalton

United Kingdom

SM5 1AA

**Sponsor information****Organisation**

Department of Health

**Funder(s)**

**Funder type**

Hospital/treatment centre

**Funder Name**

Epsom and St Helier University Hospitals NHS Trust (UK)

**Funder Name**

NHS R&D Support Funding

## **Results and Publications**

**Individual participant data (IPD) sharing plan****IPD sharing plan summary**

Not provided at time of registration