Details of study:
**Full title of study:**
A study into post-traumatic and post-surgical disuse osteopenia and its short- and long-term effects

**Name of main REC:**
Devon and Torbay

**REC reference number:**
09/H0202/64

**Date of favourable ethical opinion:**
21st January 2010

**Sponsor:**
University of Exeter

### Commencement and termination dates:

Start date: February 2010  
Estimated completion date: February 2013.

### Amendments:
None

### Recruitment and retention of participants:

<table>
<thead>
<tr>
<th></th>
<th>Recruited</th>
<th>Data collection completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Visit 1</td>
<td>Visit 2</td>
</tr>
<tr>
<td>n=</td>
<td>n=</td>
<td>n=</td>
</tr>
<tr>
<td>Controls</td>
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<td>46</td>
</tr>
<tr>
<td>Total Knee Replacement</td>
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</tr>
<tr>
<td>Recent Fracture</td>
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<td>9</td>
</tr>
<tr>
<td>Longstanding fracture</td>
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<td>25</td>
</tr>
<tr>
<td>Total</td>
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<td>108</td>
</tr>
</tbody>
</table>

### Safety of participants:

There were no unexpected adverse events or serious breaches of the protocol during the study.

### Grant expenditure:

**Summary:** Appendix 1  
Please note that there is an outstanding commitment from the grant to pay for attendance at the Practical Statistics for Medical Research course in April 2014 at the UCH NHS Foundation Trust.
**Results:**

Results from the study have been disseminated in the following publications and presentations:


**Progress summary:**

The project has been completed and the PhD awarded in September 2013. The thesis has been submitted for open access online publication although final publication has been embargoed for one year to enable the write-up of further articles. The summary chapter of the thesis has been attached to this report (Appendix II).

On a personal note, I would like to thank the Society & College of Radiographers, and CORIPS for their support throughout this project and for the opportunity this has given me to achieve my research goals.