### Figure 2. Categories and quality assessment rubric

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
</table>
| Reference to precision           | In-house precision study conducted  
Reference only to published precision study elsewhere  
No reference to machine precision |
| Precision protocol               | (a) 30 subjects scanned twice or (b) 15 subjects scanned three times  
Less than the International Society for Clinical Densitometry recommended sample size for precision studies (above)  
No precision study conducted/referenced |
| Precision sample selection       | Precision sample specific to the study group  
Precision sample not specific to the study group  
No precision study conducted/referenced |
| Precision error                  | CV% and/or RMS-SD provided  
Alternative test-retest assessment  
No precision values provided |
| Assessment of significant change | LSC or alternative provided  
No LSC provided but can be calculated from precision error  
No LSC/alternative and not possible to calculate or no precision study conducted/referenced. |
| Interpretation of change         | Change in DXA outcomes interpreted using LSC/alternative at the individual level  
Group means evaluated statistically and reference to precision error in Results and/or Discussion |
Group means only evaluated statistically without consideration of precision error.

<table>
<thead>
<tr>
<th>Subject preparation</th>
<th>Detailed standardised subject preparation protocol (e.g. standardised for more than one biological factor, such as fully hydrated and no exercise 12 - 24 h prior to scanning)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Partly standardised preparation protocol (e.g. standardised for one biological factor)</td>
</tr>
<tr>
<td></td>
<td>No standardised subject preparation protocol and no reference to a standardised protocol.</td>
</tr>
</tbody>
</table>