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Appendix 1. Medline Search Strategy. A similar search was used for Embase.
1 pelvic discontinuity.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
2 acetabular def$.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
3 ("anterior column" or "posterior column").ti,ab.
4 (revision or reoperation).ti,ab.
5 (THA or total hip arthroplasty).ti,ab.
6 4 and 5
7 2 or 3
8 6 and 7
9 1 or 8
Appendix 2. Quality Assessment of Included Studies according to the MINORS instrument [39]. Each of the eight categories are scored out of two.

<table>
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<th>Author</th>
<th>Total out of 16</th>
<th>1. A clearly stated aim</th>
<th>2. Inclusion of consecutive patients</th>
<th>3. Prospective collection of data</th>
<th>4. Endpoints appropriate to the aim of the study</th>
<th>5. Unbiased assessment of the study endpoint</th>
<th>6. Follow-up period appropriate to the aim of the study</th>
<th>7. Loss to follow up less than 5%</th>
<th>8. Prospective calculation of the study size</th>
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