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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
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Appendix 2. Quality Assessment of Included Studies according to the MINORS instrument [39]. Each of the eight categories are scored out of two.

Author	Total out of 16	1. A clearly stated aim	2. Inclusion of consecutive patients	3. Prospective collection of data	4. Endpoints appropriate to the aim of the study	5. Unbiased assessment of the study endpoint	6. Follow-up period appropriate to the aim of the study	7. Loss to follow up less than 5%	8. Prospective calculation of the study size
Abolghasemian et al. [3]	9	2	2	0	1	0	2	2	0
Abolghasemian et al. [65]	10	1	2	1	2	0	2	2	0
Abolghasemian et al. [46]	10	1	2	1	2	0	2	2	0
Abolghasemian et al. [51]	9	2	2	0	2	0	2	1	0
Amenabar et al. [56]	10	2	2	0	2	0	2	2	0
Ballester Alfaro et al. [35]	10	1	2	1	2	0	2	2	0
Bostrom et al. [42]	11	2	2	1	2	0	2	2	0
Colen et al. [45]	9	2	1	1	1	0	2	2	0
DeBoer et al. [7]	8	2	0	1	2	0	2	1	0
Hansen et al. [49]	8	2	0	0	2	0	2	2	0
Herrera et al. [55]	11	2	2	1	2	0	2	2	0
Hosny et al. [44]	11	2	2	1	2	0	2	2	0

Hourscht et al. [53]	11	2	2	1	2	1	2	1	0
Jenkins et al. [64]	10	2	2	1	1	1	2	1	0
Kim et al. [62]	9	2	2	1	2	0	2	0	0
Konan et al. [52]	10	2	2	1	1	1	2	1	0
Kosashvili et al. [5]	10	2	2	0	2	0	2	2	0
Makita et al. [58]	11	2	2	1	2	1	2	1	0
Martin et al. [47]	10	2	2	1	1	1	2	1	0
Paprosky et al. [48]	9	2	2	0	2	0	2	1	0
Ramappa et al. [60]	8	1	2	1	2	0	2	0	0
Rees et al. [54]	8	1	2	0	2	0	2	1	0
Regis et al. [59]	11	2	2	1	2	0	2	2	0
Rogers et al. [23]	10	2	2	0	2	0	2	2	0
Sporer et al. [61]	8	1	2	0	1	0	2	2	0
Sporer et al. [63]	9	2	2	1	2	0	2	0	0
Stihsen et al. [50]	10	2	2	1	1	1	2	1	0
Taunton et al. [30]	10	2	2	1	2	1	1	1	0
Van Haaren et al. [57]	10	2	2	0	2	0	2	2	0
Wind Jr et al. [43]	9	2	2	1	2	0	2	0	0

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