Cup fixation

Quality assessment criteria for systematic reviews:	The AMSTAR	tool for assessing
methodological quality of systematic reviews		

Name of first reviewer: Alexander Tsertsvadze **Name of second reviewer:** Paul Sutcliffe **First author surname year of publication:** Voigt 2012¹³⁴

1. Was an 'a priori' design provided?

The research question and inclusion criteria should be established before the conduct of the review.

 \boxtimes Yes \square No \square Can't answer \square Not applicable

2. Was there duplicate study selection and data extraction?

There should be at least two independent data extractors and a consensus procedure for disagreements should be in place.

🛛 Yes 🗌 No	Can't answer	Not applicable
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3. Was a comprehensive literature search performed?

At least two electronic sources should be searched. The report must include years and databases used (e.g. Central, EMBASE, and MEDLINE). Key words and/or MESH terms must be stated and where feasible the search strategy should be provided. All searches should be supplemented by consulting current contents, reviews, textbooks, specialized registers, or experts in the particular field of study, and by reviewing the references in the studies found.

🛛 Yes 🗌 No	Can't answer	Not applicable
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4. Was the status of publication (i.e. grey literature) used as an inclusion criterion? *The authors should state that they searched for reports regardless of their publication type. The*

authors should state whether or not they excluded any reports (from the systematic review), based on their publication status, language etc.

Yes No	Can't answer 🗌 Not applicable
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5. Was a list of studies (included and excluded) provided?

A list of included and excluded studies should be provided.

□ No

🛛 Yes	
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Can't answer Not applicable

6. Were the characteristics of the included studies provided?

In an aggregated form such as a table, data from the original studies should be provided on the participants, interventions and outcomes. The ranges of characteristics in all the studies analyzed e.g. age, race, sex, relevant socioeconomic data, disease status, duration, severity, or other diseases should be reported.

 \boxtimes Yes \square No \square Can't answer \square Not applicable

7. Was the scientific quality of the included studies assessed and documented?

'A priori' methods of assessment should be provided (e.g., for effectiveness studies if the author(s) chose to include only randomized, double-blind, placebo controlled studies, or allocation concealment as inclusion criteria); for other types of studies alternative items will be relevant.

Yes No Can't answer Not applicable

8. Was the scientific quality of the included studies used appropriately in formulating conclusions?

The results of the methodological rigor and scientific quality should be considered in the analysis and the conclusions of the review, and explicitly stated in formulating recommendations.

🛛 Yes	🗌 No	Can't answer	Not applicable
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9. Were the methods used to combine the findings of studies appropriate?

For the pooled results, a test should be done to ensure the studies were combinable, to assess their homogeneity (i.e. Chi-squared test for homogeneity, I²). If heterogeneity exists a random effects model should be used and/or the clinical appropriateness of combining should be taken into consideration (i.e. is it sensible to combine?).

 \boxtimes Yes \square No \square Can't answer \square Not applicable

10. Was the likelihood of publication bias assessed?

An assessment of publication bias should include a combination of graphical aids (e.g., funnel plot, other available tests) and/or statistical tests (e.g., Egger regression test).

Yes No Can't answer Not applicable

11. Was the conflict of interest stated?

Potential sources of support should be clearly acknowledged in both the systematic review and the included studies.

Yes No Can't answer Not applicable

OVERALL RATING (tick one box):

\boxtimes	High	quality
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Medium quality

Low quality

Name of first reviewer: Paul Sutcliffe Name of second reviewer: Alexander Tsertsvadze First author surname year of publication: Pakvis 2011¹³⁵

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Femoral	head	bearing-on-cup	liner	bearing

		-		
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