# Science perspective | Critical appraisal checklist

Payam Rezaie

**Title of paper**:

**Reference**:

…………………………………………………………………………………………………………………………………………………………….

|  |  |  |  |
| --- | --- | --- | --- |
| Criterion | YES | NO | N/A\* |
| The purpose of the study was clear |  |  |  |
| A suitable literature review was present and covered the topic adequately |  |  |  |
| The style of writing was easy to understand |  |  |  |
| The paper was well laid out and easy to follow |  |  |  |
|  |  |  |  |
| The research design was clearly described |  |  |  |
| The research design was consistent with the aims and the research question |  |  |  |
| The research design was sensible and adequately implemented |  |  |  |
| An analysis of the sample size required was carried out |  |  |  |
| The sample size was adequate |  |  |  |
| The study was appropriately controlled |  |  |  |
| Groups were comparable in all aspects except for the variable being studied |  |  |  |
| Data collection methods were adequately described and were appropriate |  |  |  |
|  |  |  |  |
| The data were reported with sufficient detail |  |  |  |
| Statistical tests were described and were appropriate for the type of data involved |  |  |  |
| Baseline differences and confounding variables were adjusted for |  |  |  |
| The authors did not make assumptions about the nature and direction of causality |  |  |  |
| *p* values and confidence intervals were calculated and interpreted appropriately |  |  |  |
| The results presented were accurate and clear |  |  |  |
|  |  |  |  |
| The Discussion corresponded to, and was supported by, the data |  |  |  |
| Discussion statements were reasonable and logical |  |  |  |
| The Results were discussed with reference to other important literature |  |  |  |
| The Conclusions agreed with the study’s predetermined purpose |  |  |  |
| The limitations of the study were listed |  |  |  |
| The Discussion and Conclusion do not speculate too far beyond what has been shown |  |  |  |
| References were accurate and appropriately used |  |  |  |
| References were from respected (credible) evidence sources |  |  |  |

\* not applicable

**Key points:**

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**Overall impression:**

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