

Critical Evaluation of Journal Article Questionnaire

1. Was the study question clearly stated at the beginning of the paper?
 - a. Yes
 - b. No

2. Did the study address a clearly focused issue?
 - a. Yes
 - b. No

3. Was the study design appropriate to answer the research question?
 - a. Yes
 - b. No

4. This study is:
 - a. retrospective
 - b. prospective

5. Which study design is used in this investigation?
 - a. Animal or laboratory study
 - b. Case report or case series
 - c. Cross-sectional study
 - d. Case control study
 - e. Cohort study
 - f. Randomized controlled trial
 - g. Systematic review

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6. Which of these types of bias is/are present in this study, if any? Choose all that apply.
- a. Missing clinical data
 - b. Participants were not necessarily representative of the defined population
 - c. Participants were not selected randomly
 - d. Time frame of the study was not appropriate
 - e. Size of case number was insufficient
 - f. Participants who withdrew were not accounted for
 - g. Non-response rate was unacceptably high
 - h. Lack of controls, or inadequate controls
 - i. Unreliable measurement
 - j. Blinding was not used, but should have been
 - k. Exposure of interest did not clearly come before outcome of interest
 - l. Potential confounding factors were not accounted for
 - m. No bias is detected
 - n. Statistical analysis did not account for clustering of teeth within participants
7. Did the investigators use appropriate statistical methods to analyze their results?
- a. Yes
 - b. No
 - c. No statistical analysis performed nor needed
 - d. No statistical analysis performed although it was needed
8. Choose all of the following that describe the results and/or conclusions.
- a. The conclusions are appropriate to the study objectives and results
 - b. The study is flawed so the results are unreliable
 - c. The conclusions are over-generalized
 - d. The conclusions are based on opinion rather than fact
 - e. The conclusions do not relate to the objective of the study
 - f. The conclusions do not relate to the results of the study
 - g. No conclusions are offered

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9. Are all important statements of fact supported by references?
 - a. Yes
 - b. No

10. Do the references match the citations in the text?
 - a. Yes
 - b. No

11. Are the majority of the references less than a decade old at the time of publication of this study?
 - a. Yes
 - b. No

12. Are the majority of the references from peer-reviewed journals?
 - a. Yes
 - b. No

This document meets WAC 246-817-440 (4)(f)(ii) requirement. Include a copy of journal article reviewed.