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
Critical Evaluation of Journal Article Questionnaire

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
Critical Evaluation of Journal Article
Questionnaire

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.