

Review of: "Retinal Vasculitis Following COVID-19 Infection: A Systematic Review"

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Potential competing interests: No potential competing interests to declare.

Summary of important information

The article provides a comprehensive analysis of retinal vasculitis following COVID-19 infection, shedding light on the potential distinctiveness of this subset of patients compared to those with vascular occlusions. The methodology appears rigorous, utilizing a systematic review approach to identify and analyze relevant cases. Here are some specific comments:

Strengths

Clear Objective and Scope

- The author described the rationale for the review clearly.
- The article effectively communicates its objective of investigating retinal vasculitis cases post-COVID-19 infection.
- The focus on systemic and ocular features adds depth to the analysis, contributing valuable insights to the medical community.

Methodology

- The systematic review approach using the PubMed database is appropriate.
- Inclusion and exclusion criteria are well-defined.
- The use of a PRISMA flowchart enhances transparency in the selection process of relevant papers.

Demographic and Clinical Data

The presentation of demographic and clinical data is thorough and organized, providing a clear overview of the characteristics of the studied patients. This aids in understanding the heterogeneity of the cases.

Inclusion of Treatment Modalities

The inclusion of treatment modalities and outcomes adds practical relevance to the study. The article appropriately highlights the varied approaches to managing retinal vasculitis following COVID-19 infection.

Areas for Improvement

Method section

Consider specifying the filter and limits used in your search, if any.

Paragraph 2, line 2: Consider defining the long form of the acronym OCT/OCTA.

Result section

Paragraph 3, line 3: Consider superscripting your references 6 and 7.

Paragraph 3, last line: Consider defining the long form of the acronym CFCF.

Paragraph 4, first line: Consider defining the long form of the acronym FFA.

Consider looking at the specific dose of steroid used, which might be of benefit for physicians seeing the same cases, if mentioned in the article.

Consider looking at the outcomes of the reported cases within the table.

Discussion Section

- The discussion could benefit from a more structured approach. Consider organizing it into subsections, such as "Potential Mechanisms," "Comparison with Vascular Occlusions," and "Treatment Implications." This would enhance readability and facilitate a deeper understanding of the implications of the findings.
- The first paragraph is slightly off topic with the discussion of various vasculitis forms, which is outside the scope of the article.

Comparison with Existing Literature

While the article mentions studies on vascular occlusions, a more direct comparison with existing literature on retinal vasculitis not related to COVID-19 could strengthen the discussion. This would provide context and help elucidate whether the observed cases exhibit unique features.

Statistical Analysis

The article lacks statistical analysis of the findings, which could strengthen the conclusions. Consider incorporating statistical methods to determine the significance of demographic and clinical differences among patients.

Ethical Considerations

Given the nature of the study involving patient data, it would be appropriate to include a brief discussion on ethical considerations, such as patient consent, data anonymization, and adherence to ethical guidelines.

Conclusion and Future Directions

The conclusion could be more explicit in summarizing key findings and implications.

Consider suggesting avenues for future research, including areas that require further exploration or potential clinical

applications of the study's findings.

In conclusion, the article provides valuable insights into the association between retinal vasculitis and COVID-19 infection.

Addressing the suggested improvements would enhance the overall quality and impact of the article.