

Response to “The importance of statistics in ophthalmology”

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We are writing to express our heartfelt gratitude for Mr. Lozano-Cruz’s attention to our recently published research paper “The continuous treatment of anterior segment open globe injury: an eye injury vitrectomy study” (1). His comments and feedback have been truly insightful, and we appreciate his time and consideration (2).

Our research aimed to study on the impact of wound healing in the anterior segment after open globe injury (OGI), especially evaluated whether a better prognosis can be obtained from continuous surgical treatment (CST).

It focuses more on the clinical issues themselves. We believe that CST of OGI, particularly in the anterior segment, has the potential to yield better outcomes compared to allowing the wound to undergo fibrosis or scar formation. This viewpoint has been continuously confirmed in our clinical practice, we hope that upon publication, our study will benefit more trauma patients and encourage more doctors to engage in discussions on this topic. However, as mentioned in our article, cases of anterior segment trauma alone are rare, and the control group of patients who do not receive treatment after trauma and seek medical

attention is even more rare. Therefore, the small sample size and insufficient statistical evidence are also one of the limitations of the article. We will continue to accumulate more cases and experience in the future, with a goal to publishing articles with better experimental and statistical design.

The suggestions on statistics have been invaluable in helping us to improve our research. Additionally, we are particularly interested in his comments on our findings and its potential impact on this field. We will consider more about his suggestions in our future randomized controlled study.

References

1. Wang X, Feng K, He S, Xie X, Ma Z. The continuous treatment of anterior segment open globe injury: an eye injury vitrectomy study. *Quant Imaging Med Surg* 2023;13:6257-67.
2. Lozano-Cruz E. The importance of statistics in ophthalmology. *Quant Imaging Med Surg* 2024. doi: 10.21037/qims-23-1843