Evaluation Of Clinician-led Duke Elder Revision Webinars On Ophthalmology Educational Performance Markers

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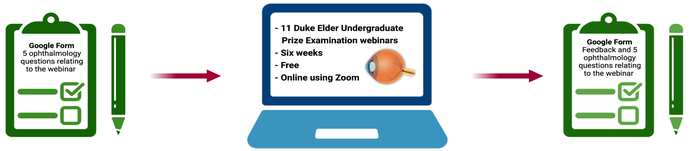
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INTRODUCTION

- The Duke Elder Undergraduate Prize Examination (DEUPE) is a national, extracurricular exam
- More likely to succeed in examinations when learning is supported through lectures
- **We evaluated the use of an online webinar series in supporting students sitting the DEUPE**

METHODS

- Free text response analysis
- Wilcoxon matched-pairs signed rank test and McNemar Test



RESULTS

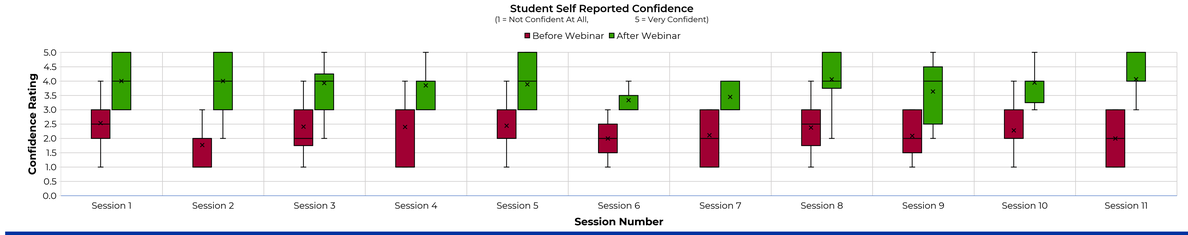


Figure 1) Our results displayed a significant increase in overall attendees' self-reported confidence in the post-webinar survey when compared to confidence levels before the webinar (*****P<0.0001, n=195 paired responses, Wilcoxon matched-pairs signed rank test*).

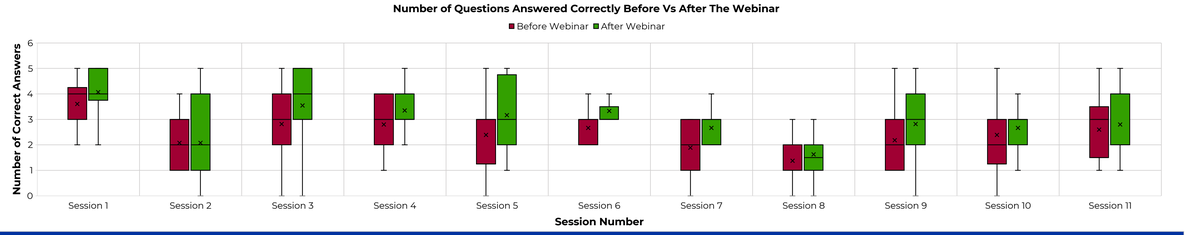


Figure 2) Student test scores on webinar questions increased significantly overall after the webinar when compared to their test scores before each webinar (*****P<0.0001, n=179 paired responses, Wilcoxon matched-pairs signed rank test*).

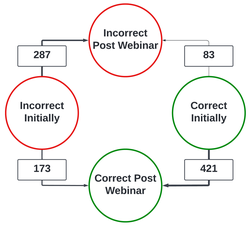


Figure 3) Number of correct & incorrect answers post-webinar, compared with initial answers pre-webinar (****P<0.001, n=964 paired responses, McNemar Test*).

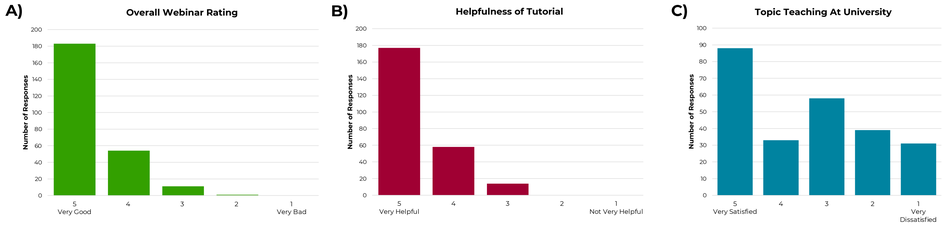


Figure 4) Overall, 73.5% rated the webinars "Very Good", with 71.1% finding the webinars "Very Helpful" for their upcoming exam and learning. 71.9% were "Very Satisfied" with the webinars' content, 68.7% with the teaching, 64.7% with the format, and 74.3% with smooth running of the event.

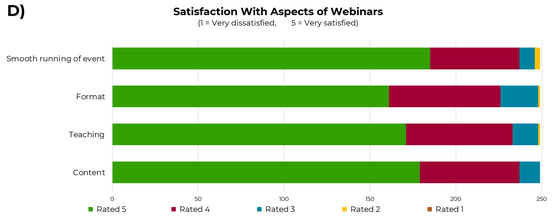




Figure 5) Figure shows common free-text feedback responses from participants, with larger phrases being more common.

CONCLUSION

Clinician-led DEUPE webinars are an effective method of increasing ophthalmology knowledge and can be used to support students sitting the exam. Given the high satisfaction with our webinars, these findings may have implications for the future provision of increased ophthalmology undergraduate teaching.

REFERENCES

- Cooper, N., Sharma, A., Cooper, J., Al-Asady, Y., Khajuria, A., 2021. Evaluating the Usefulness and Acceptability of a Revision-Purposed "Speciales" Webinar for Education UK-Based Fifth and Final Year Medical Students During the COVID-19 Pandemic: Is This the Future of Medical Education? Adv. Med. Educ. Pract. 12, 979–985.
- Demir, E.A., Tutuk, O., Dogan, H., Egeli, D., Tumer, C., 2017. Lecture attendance improves success in medical physiology. Adv. Physiol. Educ. 41, 599–603.
- Feeley, A.-M., Biggerstaff, D.L., 2015. Exam Success at Undergraduate and Graduate-Entry Medical Schools: Is Learning Style or Learning Approach More Important? A Crical Review Exploring Links Between Academic Success, Learning Styles, and Learning Approaches Among School-Leaver Entry ("Traditional") and Graduate-Entry ("Non Traditional") Medical Students. Teach. Learn. Med. 27, 237–244.
- Joshi, L., Shanmuganathan, V.A., Kneebone, R.L., Amoaku, W., 2011. Performance in the Duke–Elder ophthalmology undergraduate prize examination and future careers in ophthalmology. Eye 25, 1027–1033.
- RCOphth, 2022. Duke Elder Undergraduate Prize Examination [Website]. (The Royal College of Ophthalmologists).