

European Society of Ophthalmology



Submit completed abstract to the Secretariat

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Project Abstract**

The European Society of Ophthalmology requests a brief abstract of the project that each EuLDP participants has worked on during the program. The compiled abstracts will be included on the SOE website and will be given to incoming EuLDP classes as background material. Please e-mail your abstract to E-mail: secretariat@soevision.org

Please include the headings if appropriate: Title, Purpose, Methods, Results and Conclusion

Title of Project: Application of a novel online eye exam in healthcare

We are currently developing and validating an online eye examination so that people can independently measure, with the help of a computer and smartphone, how good they see (visual acuity testing) and whether they need glasses or contact lenses to see better (refractive assessment). In addition, this technology can be used for disabled people / patients who can difficult to come to the hospital for an eye test. They could instead take measurements at home.

We work together with a startup in this project, Easee BV, Amsterdam NL, and there is a first working version of this online application available (URL: easee.online). Tests are already offered on a commercial basis. The next software iteration will be able to directly give feedback on the lighting conditions of the environment (in line with the applicable ISO norms).

My goal in this project is to clinically validate this technology (<https://clinicaltrials.gov/show/NCT03313921>) and to further develop the healthcare/societal application of this technology. More specifically, the described technology has the potential to improve the accessibility of healthcare at reduced costs. I want to develop business cases where these gains can be maximized.

Another goal is to increase my European network with relevant stakeholders to prepare, promote and facilitate the introduction of technology in other European countries.