

Possible application of the eye tracking technique in parasitological diagnostics

Przemysław Kołodziej¹, Wioletta Tuszyńska-Bogucka², Mariusz Dzieńkowski³, Jacek Bogucki⁴, Janusz Kocki⁵, Marek Milosz³, Anna Bogucka-Kocka⁶

¹Chair and Department of Biology and Genetics, Laboratory of Diagnostic Parasitology, Medical University of Lublin, Chodźki 4A, 20-093 Lublin, Poland

²University of Economics and Innovation in Lublin, Mełgiewska 7-9, 20-209 Lublin, Poland

³Department of Computer Science, Lublin University of Technology, Nadbystrzycka 36B, 20-618 Lublin, Poland

⁴Department of Organic Chemistry, Medical University of Lublin, Chodźki 4A, 20-093 Lublin, Poland

⁵Department of Clinical Genetics, Medical University of Lublin, Radziwiłłowska 11, 20-080 Lublin, Poland

⁶Chair and Department of Biology and Genetics, Medical University of Lublin, Chodźki 4A, 20-093 Lublin, Poland

Corresponding author: Przemysław Kołodziej; e-mail: przemyslawkolodziej@umlub.pl

Parasitological diagnostics is difficult and requires extensive experience. Therefore, a lot of emphasis should be placed on improving the practical skills of students, novices and people who have worked in the profession for many years. The use of innovative methods and educational techniques is of great importance in the process of teaching parasitology. The eye tracking technique may find application in parasitological diagnostics as an educational and training tool. Our research

with the use of the eye tracking technique indicates the possibility of using this method in the process of teaching parasitology both at the undergraduate and postgraduate level. The detailed results of our research were published in the *Journal of Clinical Medicine*: Kołodziej P., et al. 2021. A eye tracking – an innovative tool in medical parasitology. *Journal of Clinical Medicine* 10: article number 2989. doi: 10.3390/jcm10132989.