Suneeta V. Godbole

Department of Biostatistics & Informatics  
Colorado School of Public Health  
Fitzsimons Building, 4th Floor  
13001 E. 17th Place  
Mail Stop B119  
Aurora, CO 80045

October 4, 2023

Dear Dr. Shoptaw,

We would like to submit for your review an original research article entitled, “A pilot study of pupil response to light as a digital biomarker of recent cannabis use” for consideration by the *Drug and Alcohol Dependence*.

We confirm that this work is original and has not been published elsewhere nor is it currently under consideration for publication elsewhere.

Our paper provides new promising evidence for an objective digital marker of recent cannabis use that could be used to detect recent drug use for roadside safety and injury prevention. In this paper, we identify differences in trajectories of pupil response to light for participants who recently consumed cannabis compared to participants who did not. We are able show differences in trajectories based solely on the pupillary light response after smoking cannabis regardless of cannabis use history (i.e., not limited by drug tolerance). Results from this pilot study show promise that pupillary light response may be an objective, digital, and validated measure of recent cannabis use, making it an asset in the prevention of cannabis-involved roadside accidents and workplace injuries.

We have no conflicts of interest to disclose.

Please address all correspondence concerning this manuscript to me at [suneeta.godbole@cuanschutz.edu](mailto:suneeta.godbole@cuanschutz.edu).

Thank you for your consideration of this manuscript.

Sincerely,

Suneeta V. Godbole