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ADMINISTRATION OF CONVERGENCE INSUFFICIENCY SYMPTOM SURVEY AMONG PROFESSIONAL PHOTOGRAPHERS

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ABSTRACT

AIM: The main purpose of this study to understand the convergence insufficiency symptoms using a convergence insufficiency symptom survey questionnaire among professional photographers.

METHODOLOGY: A cross-sectional questionnaire-based study was conducted on professional photographers of India from December 2021 – April 2022. This study was approved by the Institutional ethics committee. A total of 23 professional photographers participated in this study with an age range of 18-40 years. The questionnaire link was shared through the online mode along with the consent form. Subjects were instructed to respond as yes or put a tick mark in front of each option. The total score was then calculated by adding the individual scores from all questions.

RESULT: A total of 23 professional photographers participated in the study with a mean age of 27.86 ± 6.24 years. The mean CISS score was found to 53.65 ± 38.22 . According to the CISS score, 6(26.087%) photographers were found normal and 17 (73.91%) were had convergence insufficiency symptoms.

CONCLUSION: In this study, participants were found normal, and most participants had convergence insufficiency symptoms. The most common symptom was reported feeling sleepy whilereading or doing close work.

KEYWORDS: Digital eye strain; Binocular vision anomalies; binocular vision dysfunction; Accommodative anomalies; computer vision syndrome; convergence insufficiency; vergence adaptation; Fusional vergence; Asthenopia; binocular vision; dry eye; eye strain; smartphones; reading.