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Computer vision syndrome in presbyopic digital device workers: how does the design of the progressive lens used affect it?

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More than half of European workers use digital devices at work. Prolonged use of these devices causes ocular and vision-related problems known as computer vision syndrome (CVS). The prevalence of CVS among workers varies widely between studies due to the use of unvalidated and unstructured questionnaires. Among digital device workers, presbyopic individuals have special limitations due to their reduced accommodative capacity. This study aims to estimate the prevalence of CVS in presbyopic digital device workers using the validated questionnaire CVS-Q®, comparing two ophthalmic progressive lens designs during the working day, and to analyze the association of CVS with sociodemographic, occupational, digital device exposure and refractive factors.

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