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PREVELANCE OF SELF-REPORTED COMPUTER VISION SYNDROME (CVS) SYMPTOMS AND ITS ASSOCIATED FACTORS AMONG KING SAUD UNIVERSITY (KSU) FEMALE STUDENTS

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Objectives: To determine and compare the prevalence of (CVS) symptoms and its associated factors among female students of Medicine and Business colleges at (KSU). The study also aims to measure the knowledge of the students in preventing (CVS) symptoms.

Methods: A total of 713 female students in Medicine and Business Colleges in (KSU) were recruited for a quantitative cross-sectional study. A self-designed structured questionnaire was used to ask about CVS validated symptoms (headache, neck and shoulder pain, dry eyes, burning eye sensation, eye redness, and blurred vision) and variables contributing to CVS development.

Results: Majority of the self-reported symptoms were in the mild category in which headache was the most prevalent (42.1%). The most prevalent severe symptoms were neck and shoulder pain (11.8%) and dry eyes (5.6%). Being a business student (odds ratio: 1.65; 95% CI:1.22-2.24) and using devices for more than 5 hours (odds ratio 1.52; 95% CI: 1.07-2.16) were significantly associated with developing CVS symptoms. Comparison of symptoms between business and medical students showed significantly higher prevalence in business students for all symptoms except burning eye sensation, which was higher in medicine (p posture, lighting of room, screen brightness, and distance from screen were found to be associated with occurrence of CVS symptoms.

Biography

Sara Aldokhayel, Leena Zeitouni and Layan Al Tawil are medical students attending King Saud University in Riyadh, Saudi Arabia. A leading Arab university of medicine and research. Graduated from prime high-schools in the capital of Saudi Arabia. Currently in our fourth year, rotating in King Khaled University Hospital. A highly reputable hospital in the Middle East. We are all merit students with high cumulative GPAs. We have attended several local research-related courses and are actively involved in the research community.

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