

UNIVERSITI TEKNOLOGI MARA

**AWARENESS OF CONTACT LENS COMPLICATIONS
AMONG CONTACT LENS USERS IN UITM PUNCAK
ALAM CAMPUS**

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AUTHOR'S DECLARATION

I declare that the work in this dissertation was carried out in accordance with the regulation of Universiti Teknologi MARA. It is original and the result of my own work, unless indicated or acknowledged as referred work. This topic has not been submitted to any academic institution or non-academic institution for any degree or qualification. In the event that my dissertation is found to violate the condition mentioned above, I voluntarily waive the right of conferment of my degree and agreed to be subjected to disciplinary rules and regulation of Universiti Teknologi MARA.

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AWARENESS OF CONTACT LENS COMPLICATIONS AMONG CONTACT LENS USERS IN UiTM PUNCAK ALAM CAMPUS

ABSTRACT

Background: Contact lens wear has become a trend recently. It enhances one's physical appearance without the need of glasses and boost self-confidence. However, improper usage of contact lens with insufficient hygienic of lens care may lead to serious vision-threatening complications. **Purpose:** This research was conducted to assess the level of awareness of contact lens complications among contact lens users in UiTM Puncak Alam Campus. **Methods:** This is a cross-sectional descriptive study. 60 regular contact lens users from UiTM Puncak Alam Campus were identified and enquired about the awareness of contact lens complications through a structured questionnaire. The questionnaire also asked regarding risk factors and knowledge of contact lens complications. **Results:** 60 regular contact lens users which were 57 female and 3 male participants had completed the questionnaire. The average age was 22.38 years. There was lack level of awareness assessed regarding the contact lens complications. The highest awareness of complication was allergy (45%) followed by corneal ulcer (41.7%), conjunctivitis (40%), corneal vascularization (28.3%), corneal opacities (26.7%) and corneal distortion (25%). Majority of the participants aware of the risk factors of contact lens complications but their knowledge was significantly low. **Conclusion:** Significant number of regular contact lens users in UiTM Puncak Alam Campus did not aware and know about contact lens complications. However, there was high awareness of risk factors of contact lens complications. In the future, more exposure and continuous contact lens education needed to be enhanced among the contact lens users in UiTM Puncak Alam Campus.

Keywords: Awareness, complications, contact lens, questionnaire

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