A Population-based Study of Corneal Arcus and its Risk Factors in Iran

*Purpose*: To determine the prevalence of corneal arcus, its risk factors, and its relationship to ocular and visual indices.

*Methods*: In this cross-sectional study, "·· clusters were randomly selected from Shahroud in the north of Iran, using multistage sampling. A total of '· people were invited to participate from each cluster. After enrollment, all optometric, biometric and ophthalmic exams were conducted on site.

Conclusion: This study adds valuable information to the epidemiology of corneal arcus in Iran and the Middle East. In people aged over 'vears, nearly ''% of the study population had corneal arcus. Older age, male sex, smoking, and systolic hypertension were risk factors for corneal arcus. Corneal arcus was also associated with thin and flat corneas and shallow anterior chamber depth.