High prevalence of astigmatism in the 4 ·- to 74-year-old population of Shahroud, Iran

BACKGROUND:

The prevalence of astigmatism, its axis and determinants were determined in the ξ - to ξ -year-old population of Shahroud ,Iran.

DESIGN:

Population-based cross sectional study .

PARTICIPANTS:

METHODS:

Participants received visual acuity measurement, manifest refraction and eye examinations.

MAIN OUTCOME MEASURES:

D were studied \cdot . The prevalence of astigmatism based on cylinder powers of more than \cdot . And $^{\circ}$ and $^{\circ}$

RESULTS:

CONCLUSIONS:

In comparison with those studies conducted in Iran and other countries, the prevalence of astigmatism was higher in this study. Astigmatism was higher in men and age had an important role in astigmatism and its axis. The prevalence of against-the-rule and oblique astigmatism increased with age