

Astygmatyzm w kontekście operacji usunięcia zaćmy z wykorzystaniem torycznych soczewek wewnętrzkałkowych – aktualny przegląd piśmiennictwa

Astigmatism in the Context of Cataract Surgery with the Use of Toric Intraocular Lenses – Current Literature Review

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Summary:

Assessment and management of astigmatism is often difficult, and one of the specific situations in which this problem must be faced is when a patient with astigmatism is qualified for cataract surgery. A relatively predictable method of astigmatism correction during a single procedure and also the method of choice in the treatment of cataracts accompanied by corneal astigmatism is cataract phacoemulsification with implantation of toric intraocular lenses. The aim of the study is to review the current literature on this topic.

The prevalence of corneal astigmatism ≥ 1.0 D in patients with cataract varies in various studies from 34.8 to 66.9%, which illustrates the scale of demand for this procedure. The paper discusses the key aspects of pre-operative assessment of astigmatism, including the changes that occur with the aging process. The importance of measuring the posterior corneal astigmatism and the consequences of its neglect in the form of deviations in the assessment of total corneal astigmatism and postoperative residual refractive errors were emphasized. Attention was paid to available updates of toric calculators and innovations in cases of irregular astigmatism.

Technological progress in cataract surgery makes it possible to obtain better and better postoperative visual acuity also in patients with coexisting astigmatism. astigmatism, cataract, cataract surgery, toric intraocular lenses.

Key words:

Słowa kluczowe:

astygmatyzm, zaćma, operacja usunięcia zaćmy, toryczne soczewki wewnętrzkałkowe.