

SOLUTIONS IN RESOLVING MYOPIA MANAGEMENT BY INDICATING CUSTOMIZED ORTHOKERATOLOGY LENSES

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Introduction: According to a study done by the European Society of Ophthalmology in collaboration with the International Myopia Institute in 2020 almost 400 million Europeans suffered from Myopia, but it is estimated that their number will exceed 500 million by 2030. More treatments are available or medical devices, aimed at preventing or slowing the progression of Myopia. Among them are orthokeratological or nocturnal contact lenses, which remodel the cornea, changing, as a consequence, retinal defocus into hypermetropia. But in the case of neglecting the general anamnesis and the visual system, anatomical and functional particularities of the patient, we risk expecting the lack of effectiveness of the given method, the occurrence of unwanted side effects or complications.

Purpose of the study: Presentation of the particularities of the individual selection of orthokeratological lenses.

Methods and materials: Case series presentation of patients with rare corneal anatomical particularities.

Results and Conclusions: Correct individual selection of lenses for each patient is important for obtaining the expected result. Only a correctly performed keratotopography can give us ample information about the curvature, shape and diameter of the cornea, the type of corneal astigmatism.