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Influence of fogging and cycloplegia on hyperopic refraction

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Subjective refraction is an important part of an optometric examination. Despite auto-refraction is still today the best starting point, different research reports support the reliability of these systems particularly when autorefraction is performed under cycloplegia while Non- cycloplegia measurements using autorefractor has been shown to underestimate the hyperopic refractive state. Fogging is the simplest technique that seems to provide similar accommodative relaxation to that provided by cycloplegia to satisfy adults hyperopic visual needs and to minimize their symptoms and signs. A retrospective review of 100 hyperopic adults between 20-35 years old undergoing manifest and cycloplegic refraction at a private optical center, resulting in a similar agreement for patient's comfort level and more acceptable spectacle prescription than non-cycloplegia autorefraction for adults in a clinical environment.

Biography

Amani Al Amad is a comprehensive optometrist who specializes in primary vision care, contact lens fitting, problem-focused eye examination, pediatric eye care, and low vision evaluation. She received her Bachelor degree of science in biology from Mu'ta University in 2000. She earned her optometry degree from Intermediate University College in 2008 and shortly taught there for two years. She interested in voluntary work in the less fortunate area to ensure children best vision with glasses or any visual aids. She is interested to participate in conferences to keep up to date.

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