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OCULAR MANAGEMENT OF MUCOPOLYSACCHARIDOSIS (MPS)

Azzam A. Ahmed, Muna M. Ahmed
University of Mosul, College of Medicine, Mosul, Iraq

ABSTRACT

Objectives. Mucopolysaccharidoses (MPS) are a collection of rare ailments of storage lysosomes distinguished by the aggregation of glycosaminoglycans (GAGs) at distinct regions of the eye. Follow-up is necessary to enable the right direction for the subsequent therapy. The objective of this research is to define the clinical presentation and treatment modalities in MPS patients.

Methods. A total of 16 children diagnosed with MPS were followed-up for 10 years. All cases in this study underwent cycloplegic refraction using 1% cyclopentolate (API) and streak retinoscope (Keeler).

Results. The findings confirmed that all patients (100%) presented with corneal cloudiness, half of them (50%) were diagnosed as having glaucoma and just above a third of children (37.5%) suffer from retinopathy.

Conclusion. Early detection and diagnosis are crucial to protect the visual function, and experience at different levels is required for reaching the correct diagnosis.

Key words: *mucopolysaccharidoses; glycosaminoglycans; eye.*

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Dr. Azzam Abdul-Kader Ahmed
Mosul College of Medicine
University of Mosul, 41001 Mosul, Ninavaha, Iraq
Phone: +964 771 214 531 1
E-mail: azzamabdahm@uomosul.edu.iq