

# International Conference on Eye Disorders and Treatment

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*Albert S Khouri*

Rutgers New Jersey Medical School, USA

## Ophthalmic telemedicine and glaucoma management

Ophthalmic telemedicine enhances screening for blinding diseases and brings subspecialty expertise to the community. Screening for glaucoma poses distinct diagnostic challenges. About half of glaucoma patients are unaware of their disease. Screening with IOP measurement, functional and structural testing has limitations. The presentation will discuss challenges to glaucoma diagnosis and potential solutions to glaucoma screening. Stereoscopic optic nerve imaging and hardware/software solutions can be applied during telemedicine in community outreach programs. Software-assisted optic nerve analysis, applications of digital filters in imaging (RGB separation, depth analysis), and real-time teleglaucoma screening are constantly evolving fields that have significant potential applications both in telemedicine and in direct clinical care of glaucoma patients.

## Biography

Albert S. Khouri, MD, is an Assistant Professor, Program Director of the Ophthalmology Residency, and Associate Director of the Glaucoma Division at Rutgers University-New Jersey Medical School in Newark, New Jersey. Besides maintaining a clinical practice, he has several research interests, mainly related to telemedicine in glaucoma. Being a part of the telemedicine research team examined the direct translation of such applications such as Nonmydriatic imaging combined with digital filters and tele-presence has brought revolution in the field of ophthalmology. He has received the American Glaucoma Society's MAPS Award, which was instrumental in his telemedicine research.

[khourias@njms.rutgers.edu](mailto:khourias@njms.rutgers.edu)

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