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## Retinal stray light originating from intraocular lenses and its effect on visual performance

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Propositions PhD thesis

“Retinal stray light originating from intraocular lenses and its effect on visual performance”

Marrie van der Mooren

1. In a cataractous eye lens, protein aggregates cause retinal stray light.  
*(Benedek GB, Theory of the transparency of the eye, Applied Optics 10,459-473,1971)*
2. Retinal stray light originating from intraocular lenses is a clinically relevant factor determining the effectiveness of an uneventful cataract surgery.  
*(van den Berg TJTP et al. Straylight effects with aging and lens extraction. Am J Ophthalmol 2007;144:358–363)*
3. The influence of retinal stray light reduces when visual performance is assessed binocularly.  
*(thesis, chapter 3)*
4. The amount of retinal stray light induced by intraocular lenses should form part of the intraocular lens specification.  
*(thesis, chapter 7, 8 and 9)*
5. Earlier cataract surgery reduces older driver motor vehicle collisions.  
*(Mennemeyer ST, Owsley C, McGwin G Jr. Reducing older driver motor vehicle collisions via earlier cataract surgery, Accid Anal Prev. 2013 December ; 61)*
6. To further enhance healthy aging, a quick, reliable, understandable and objective measure of the influence of retinal stray light is needed.  
*(thesis, chapter 9)*