## References

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#### Sir,

We thank Rumney & Henson for their comments on our paper.<sup>1</sup> They have nicely illustrated the difficulties of screening for a condition with low prevalence, such as glaucoma. The purpose of our paper, however, was to investigate the positive predictive value (PPV) of visual field testing by optometrists rather than the overall PPV of glaucoma screening. Perimetry is increasingly being used by optometrists as a screening test for glaucoma.

Glaucoma suspects referred with isolated field loss were identified as an increasing source of false positive referrals. The proportion of such referrals was considerably greater in our study (12%) compared with previous surveys (around 1%).<sup>2,3</sup> While the overall PPV for glaucoma (43%) was similar to previous reports,<sup>2,3</sup> patients referred with isolated field loss had a much lower PPV for glaucoma than any other referral group. Most of these false positive referrals resulted from inappropriate visual field testing by optometrists.

Any screening test should be performed in accordance with validated screening methodology. For perimetry, this means selective screening of a population at increased risk of glaucoma and repeating abnormal perimetry (in the absence of other features of glaucoma) to confirm genuine field loss before referral.<sup>4</sup> Our study suggests that current visual field testing by optometrists is leading to unnecessary false positive referrals because such principles are not always observed. False positive referrals have obvious resource implications for the hospital eye service, but may also have adverse effects for the individual.<sup>5</sup>

Finally, we would certainly endorse the recommendation that optometrists and ophthalmologists need to work closely together in order to achieve acceptable positive (and negative) predictive values for glaucoma screening. Regular quality control should be an integral component of any screening programme. Optometrists will only be able to monitor their glaucoma screening practice if they receive routine feedback on referrals. This is perhaps one area where inter-professional communications could be improved.

### References

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# Sir,

In their case report on post-operative myopic shift due to intracapsular Healon, Reck *et al.*<sup>1</sup> describe the condition as 'rare'. My own experience, presented below, may indicate otherwise.

During a 17 month period I saw 19 cases of capsular distension syndrome (CDS). All followed uncomplicated phacoemulsification surgery via clear corneal incisions, with neat capsulorhexis edges well apposed to acrylic intraocular lenses (IOLs). All 13 cases that occurred on the first postoperative day were associated with 1.50 D to 3.00 D of myopia, and all of these except one resolved within 2 weeks, with resolution of the myopia. Six cases were noted later after surgery, between 4 and 22 months post-operatively. Four of these required YAG laser capsulotomy for gross cellular proliferation, of which 2 lost 1.00 D to 1.25 D of myopia following the procedure.

In all cases an Acrygel (acrylic) IOL was used. In the first 5 cases Healon GV was used; in the remainder, Viscoat. In all but the first three cases, viscoelastic was almost entirely removed by performing irrigation/aspiration between the IOL and the posterior capsule. The subsequent gross distension of the capsular bag would suggest that fluid had been drawn into the closed space of the bag, formed by the tight apposition of the anterior capsular ring with the IOL. This would support Holtz's<sup>2</sup> theory of an osmotic gradient due to small quantities of retained viscoelastic.

During the period of surgery of these cases, other surgeons at the same hospital using the same materials and similar techniques did not experience CDS, and the incidence in my hands was 2.5%. However, since that period I have changed both my IOL and viscoelastic of choice, and I have not seen any further cases.

CDS may be more prevalent than is currently recognised. Six cases were reported in 1990,<sup>3</sup> 7 in 1992,<sup>2</sup> and single cases in 1996<sup>4</sup> and 1998.<sup>5</sup> It is likely that the condition is under-diagnosed, especially if most cases resolve spontaneously a few days after surgery. CDS should be suspected in any case of unexplained post-operative myopia.

#### References

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