

associated inflammation is not able to induce hepatic synthesis of CRP and is associated with a limited local and subclinical inflammatory reaction in involved tissues.

## Conflict of interest

The authors declare no conflict of interest.

## References

- 1 Schlotzer-Schrehardt U. Molecular pathology of pseudoexfoliation syndrome/glaucoma-new insights from LOXL1 gene associations. Exp Eye Res 2009; 88(4): 776–785.
- 2 Koliakos GG, Befani CD, Mikropoulos D, Ziakas NG, Konstas AG. Prooxidant-antioxidant balance, peroxide and catalase activity in the aqueous humour and serum of patients with exfoliation syndrome or exfoliative glaucoma. Graefes Arch Clin Exp Ophthalmol 2008; 246(10): 1477–1483.
- 3 Zenkel M, Lewczuk P, Kruse FE, Junemann AG, Schlotzer-Schrehardt U. Increased levels of interleukin-6 in the aqueous humor of patients with early stages of pseudoexfoliation syndrome/glaucoma. *ARVO Abstract* 2007; 48: 5899.
- 4 Ovodenko B, Rostagno A, Neubert TA, Shetty V, Thomas S, Yang A et al. Proteomic analysis of exfoliation deposits. *Invest Ophthalmol Vis Sci* 2007; 48(4): 1447–1457.
- 5 Seddon JM, Gensler G, Milton RC, Klein ML, Rifai N. Association between C-reactive protein and age-related macular degeneration. *Jama* 2004; 291(6): 704–710.
- 6 Yuksel N, Pirhan D, Altintas O, Caglar Y. Systemic highsensitivity C-reactive protein level in pseudoexfoliation syndrome and pseudoexfoliation glaucoma. *J Glaucoma* 2010; 19(6): 373–376.

MC Mocan, O Dikmetas and M Irkec

Department of Ophthalmology, Hacettepe University School of Medicine, Ankara, Turkey E-mail: mirkec@isnet.net.tr

*Eye* (2011) **25**, 1383–1384; doi:10.1038/eye.2011.166; published online 8 July 2011

### Sir, Congenital glaucoma: still a clinical challenge

It was with interest that I read the article on the results of combined trabeculotomy and trabeculectomy in Ghana published recently in your journal. Congenital glaucoma is a clinical challenge for any ophthalmologist, and requires a long-term commitment toward these patients with extended care for rehabilitating these children. Hence, this article holds importance in serving as a baseline for the entire West African region, which is important to decide management strategies to cope with childhood blindness in that place.

The authors have correctly pointed out that their poor 1 year success of 44% may be due to severe disease at presentation, racial and genetic influences, and also non-use of mitomycin-C.<sup>2-4</sup> Yet, it was surprising that 63% of the children had diffuse avascular blebs, which raises the question of how many persons graded the blebs and evaluated the patients postoperatively. The authors state that three patients had normal intraocular pressure

(IOP); one on medication and two others with IOP taken under anesthesia. Yet, the cutoff for surgical success has been taken as 21 mm Hg. It is not clear whether this the cutoff has been maintained for infants examined under anesthesia, which would be inappropriate, taking into consideration the lowering of IOP in deeper planes of anesthesia.

Visual rehabilitation is an important aspect of childhood glaucoma, a dimension that has been totally ignored in this article. It would be worthwhile if the authors include information on the visual acuity obtained postoperatively in at least some patients and the reason for poor vision, such as Haab striae, refractive errors, amblyopia, or others.

Although we understand the non-availability of Perkins tonometer at all times in the operating room, it is advisable to exclude IOP readings taken with Schiotz, as that might give erroneous results in children with corneal edema and buphthalmic eyes.

Studies such as these highlight the challenges faced while treating childhood glaucoma. Consideration of these points has to be kept in mind when we analyze the surgical outcomes in these patients.

#### Conflict of interest

The author declares no conflict of interest.

### References

- 1 Essuman VA, Braimah IZ, Ndanu TA, Ntim-Amponsah CT. Combined trabeculotomy and trabeculectomy: outcome for primary congenital glaucoma in a West African population. *Eye* 2011; **25**: 77–83.
- 2 Mandal AK, Gothwal VK, Nutheti R. Surgical outcome of primary developmental glaucoma: a single surgeon's longterm experience from a tertiary eye care centre in India. *Eye* 2007; 21: 764–774.
- 3 Mandal AK. Long-term surgical and visual outcomes in Indian children with developmental glaucoma operated on within 6 months of birth. Ophthalmology 2004; 111: 283–290.
- 4 Dietlein TS, Jacobi PC, Krieglstein GK. Prognosis of primary ab externo surgery for primary congenital glaucoma. Br J Ophthalmol 1999; 83: 317–322.

# A Rao

LV Prasad Eye Institute, Bhubaneswar, India E-mail: vinodini10375@yahoo.com or aparna@lvpei.org

*Eye* (2011) **25**, 1384; doi:10.1038/eye.2011.147; published online 22 July 2011

#### Sir, Response to Dr Rao

We would like to thank Dr A Rao<sup>1</sup> for the comments and questions raised regarding the article 'Combined trabeculotomy and trabeculectomy: outcome for primary congenital glaucoma in a West African population'.<sup>2</sup> As she rightly pointed out, our article highlights some of the challenges in the care of children with congenital glaucoma in the developing world. We would want to respond to some of the concerns raised in her letter.