Authors' response

We thank Fleming and Bush for their

comments¹ on our editorial². We accept that

there is no good evidence of a dose-response

relationship against eosinophilic airway

inflammation with higher dose inhaled ster-

oids in children with asthma. We also recog-

nise that it might be difficult to justify high

dose inhaled corticosteroids, or treatment

with regular oral corticosteroids in a child with few symptoms. However, the fact remains the principle of sputum based inflammation monitoring has not been tested by this study,³ yet the paper is being presented as a test of that process. In this respect, the manuscript is similar to that of Szefler *et al*⁴ where a serious design limitation also prevented optimal assessment of the technique.^{2 5}

Ian Pavord, 1 Peter G Gibson2

¹Glenfield Hospital, UK

²Department of Respiratory and Sleep Medicine, John Hunter Hospital, Newcastle, New South Wales, Australia

Correspondence to Professor Ian Pavord, Glenfield Hospital, UK; ian.pavord@uhl-tr.nhs.uk

Competing interests None.

Provenance and peer review Not commissioned; internally peer reviewed.

Accepted 4 August 2012 Published Online First 1 September 2012

Thorax 2012;**67**:1016. doi:10.1136/thoraxjnl-2012-202318

REFERENCES

- Fleming L, Bush A. Use of sputum eosinophil counts to guide management in children with severe asthma. Thorax 2012;67:1015—6.
- Pavord ID, Gibson PG. Inflammometry: the current state of play. *Thorax* 2012;67:191–2.
- Fleming L, Wilson N, Regamey N, et al. Use of sputum eosinophil counts to guide management in children with severe asthma. *Thorax* 2012;67: 193–8.
- Szefler SJ, Mitchell H, Sorkness CA, et al.
 Management of asthma based on exhaled nitric oxide in addition to guideline-based treatment for inner-city adolescents and young adults: a randomised controlled trial. Lancet 2008;372:1065–72.
- Gibson PG. Using fractional exhaled nitric oxide to guide asthma therapy: design and methodological issues for ASthma TReatment ALgorithm studies. Clin Exp Allergy 2009;39:478–90.

1016 Thorax November 2012 Vol 67 No 11