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 Szeffler *et al*⁴ where a serious design limitation also prevented optimal assessment of the technique.^{2 5}

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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

1. **Fleming L**, Bush A. Use of sputum eosinophil counts to guide management in children with severe asthma. *Thorax* 2012;**67**:1015–6.
2. **Pavord ID**, Gibson PG. Inflammometry: the current state of play. *Thorax* 2012;**67**:191–2.
3. **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.
4. **Szeffler 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.
5. **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.

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 steroids in children with asthma. We also recognise that it might be difficult to justify high dose inhaled corticosteroids, or treatment