

Correspondence and Reply

The association between free testosterone and current asthma



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To the Editor:

A recent study by Bulkhi et al¹ showed that serum testosterone is inversely associated with current asthma prevalence regardless of sex and correlates with better lung function. As the core indicator in this study, testosterone mainly exists in protein-bound forms including albumin and sex hormone-binding globulin, with only approximately 1% to 2% of testosterone being in free form that was regarded biologically active.² Because an increasing number of studies showed that many disorders are associated with free testosterone instead of total testosterone,³ we suggest that the potential role of free testosterone should not be ignored. The inclusion of sex hormone-binding globulin and albumin should be considered to calculate the free testosterone,² which may make the association of testosterone with asthma more convincing.

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Reply to "The association between free testosterone and current asthma"



To the Editor:

Thank you very much to Yuan et al¹ for the suggestion. In future analyses we will take this important advice into consideration.

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