***Supplementary table***

Table S1. Changes in immune parameters following MDA in helminth negative (a) and positive (b) children

a

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Baseline(median, IQR) | Follow up(median, IQR) | Estimate(95% CI) | P value |
| Total IgE(IU/mL) | 670.58(348.18 – 907.91, n=111) | 116.15(35.95 – 633.75, n=86) | 0.31(0.22-0.44) | <0.0001 |
| Eosinophil count (%) | 8(6 – 11, n=115) | 5(3 – 8, n=83) | 0.69(0.58-0.81) | <0.0001 |
| CRP(mg/L) | 1.69(0.42 – 6.23, n= 115) | 1.18(0.40 – 3.47, n=86) | 0.64(0.43-0.95) | 0.03 |

b

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Baseline(median, IQR) | Follow up(median, IQR) | Estimate(95% CI) | P value |
| Total IgE(IU/mL) | 510.22(185.11 – 871.65, n=28) | 65.71(13.67 – 479.79, n=22) | 0.26( 0.11-0.61) | 0.005 |
| Eosinophil count (%) | 5(3 – 9, n=28) | 3(3 – 6, n=24) | 0.74(0.59-0.93) | 0.02 |
| CRP(mg/L) | 2.62(0.71 – 8.08, n= 28) | 0.80(0.11 – 7.89, n=22) | 0.43(0.17-1.09) | 0.08 |

Estimated changes of total IgE, eosinophil count and CRP following MDA are displayed with corresponding 95% CI. Estimate and 95% confidence interval are based on generalized linear mixed models from the log-transformed data. Values shown are back-transformed. P values are generated using a likelihood ratio test comparing a model with and without a time effect.