Reviewer's report

Title: Consuming Iodine Enriched Eggs to Solve the Iodine Deficiency Endemic for Remote Areas in Thailand

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Reviewer: Yasmin Dr. Thanavala

Reviewer's report:

The manuscript deals with a significant health issue in this part of the world, namely iodine deficiency. The solution provided is simple, easily implementable and according to the data provided also works very effectively, in that consumption of iodine rich eggs raised iodine levels as measured in the urine of volunteers.

While the authors discuss that the additional cost of enriching the feeding formula to the chicken is minimal (0.02Baht/kg of feed) they do not provide any information if this would impact at all on the price of the enriched eggs. It would also be very informative if the authors would also discuss if in fact the consumption of eggs at breakfast is routine in these villages. This would reflect on the ability of this innovative strategy to be effectively implemented. Another simple clarification needed is, would the consumption of iodine rich eggs be needed on a continuous basis? The data provided are from a 5 day egg consumption trial.

These are all simple clarifications but would considerably enhance the value of this study.

Finally a point of clarification for data in Table 5: it would appear that the median urine iodine values of 6.87 and 7.11 are slightly different from the median values shown in Table 3.

Some minor editorial language corrections would help. eg Line 1 of abstract the word 'recurrent' should be replaced by 'occurrence'; also in abstract line 6 in methods section add word 'who' after volunteers.

Overall this is a simple and elegant solution to a pressing medical need and there is enthusiasm for this manuscript.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
'I declare that I have no competing interests'