

Review of: "Lessons from vaccine-related poliovirus in Israel, UK and USA"

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A very important and yet relevant discuss highlighting the current issues as regards polio eradication and corresponding vaccines. This is perhaps one of the most interesting papers I have read on polio connecting historical, immunological, programmatic and public health perspectives. It was critical to see the argument of OPV and IPV vis-a-viz the risk and benefit of OPV arguing for the complete push for IPV as cVDPV is indeed a problem to the global eradication efforts of polio. This viewpoint also has an implication for future research which has to do with the supposed impact of facemask during the COVID-19 pandemic on the respiratory route of transmission of polio. Most importantly, is the implication for policy and practice for the urgent upscaling of IPV and withdrawal of OPV. I commend the authors for this well supported and evidence-based viewpoint.

However, one thing I would like the authors to probably address in this paper is for them to discuss how ready are the health systems of low- and middle-income countries to move completely to IPV and stop OPV since IPV are majorly administered in the health facilities. If this is done what is the fate of those in hard-to-reach poor areas without health facility access who were previously reached with community OPV administration. What are the authors thoughts and recommendations on this on both short-term and long-term basis?

The paper was well written, requiring no further language edits or grammatical correction. Critical analysis was done excellently with a logical flow of thoughts. However, there are a couple of short sentences that can be linked using conjunctions with the previous sentence. This should be revised and adjusted to make the reading easier.

Overall, I strongly recommend this paper!