

Review of: "Relevance of Medical Ethics in Public Health: Case Study of Polio Eradication"

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Potential competing interests: No potential competing interests to declare.

Relevance of Medical Ethics in Public Health: Case Study of Polio Eradication

The topics of this paper are interesting, but the paper has to be developed better to discuss the best way of implementation of vaccination campaign.

A comparative analysis can be useful with other types of viral agents to see pros and cons of vaccinations.

The structure and content can be improved.

Abstract has to be shorter, clarify the goal and health and social implications of myopic vaccination campaign for polio.

Authors have to structure the paper as follows.

- Introduction

- Study design

- Results and discussion

- Conclusion

Avoiding in the just mentioned sections, sub-headings that create fragmentation of the paper.

Introduction has to better clarify the research questions of this study and provide more theoretical background (See suggested readings that must be all read and used in the text).

Methods of this study is not clear I suggest inserting a section to clarify if this study is:

- A narrative review explains the existing knowledge on a topic based on all the published research available on the topic.

- A systematic review searches for the answer to a particular question in the existing scientific literature on a topic.

- A meta-analysis compares and combines the findings of previously published studies, usually to assess the effectiveness of an intervention or mode of treatment.

Results and discussion have to be developed with a comparative analysis with other vaccination campaign supporting arguments in a clear theoretical framework.

The discussion of problems of polio vaccine per keywords has to be better structured .

Discussion.

Authors have to synthesize the main results and aspects of this study in a simple table, such as a SWOT analysis to show positive and negative aspects of polio vaccine in a context of comparative evaluation system to show pros and cons and be clear for readers and then show what this study adds compared to other studies.

Conclusion has not to be a summary, but authors have to focus on manifold limitations of this study and provide suggestions of health and social policy to improve strategy for eradication of polio and other diseases with appropriate, effective and fair vaccination campaigns.

Overall, then, the paper is interesting, but structure is confused. Theoretical framework can be improved, and results can be clarified with health policy implications. Authors have to avoid a lot of headings that create fragmentation and confusion. If necessary, can use bullet points in main sections suggested.

Suggested readings also considering other infectious diseases, such as COVID-19, etc. for comparative analysis to see pros and cons of vaccination campaigns.

Rentmeester, C.A., Dasgupta, R., Feemster, K.A., Packard, R.M. 2014 Coercion and polio eradication efforts in Moradabad Human Vaccines and Immunotherapeutics, 10(4), pp. 1122–1125

Coccia M., Benati I. 2018. Comparative Evaluation Systems, A. Farazmand (ed.), Global Encyclopedia of Public Administration, Public Policy, and Governance, Springer International Publishing AG, part of Springer Nature, https://doi.org/10.1007/978-3-319-31816-5_1210-1

Zang, J., Feng, L., Wang, J., ...Li, K., Zhai, X. 2023 Should more attention be paid to polio sequela cases in China? Frontiers in Public Health, 10, 1076970

Coccia M. 2021e. Pandemic Prevention: Lessons from COVID-19. Encyclopedia, vol. 1, n. 2, pp. 433-444. doi: 10.3390/encyclopedia1020036

Rentmeester, C.A., Dasgupta, R. 2012. Good epidemiology, good ethics: empirical and ethical dimensions of global public health. Indian journal of medical ethics, 9(4), pp. 235–241

Pethani, A.S., Kazi, Z., Nayyar, U., ...Ondrej, M., Saleem, A.F. 2021 Poliovirus excretion among children with primary immune deficiency in Pakistan: A pilot surveillance study protocol. BMJ Open, 11(7), e045904

Coccia M. 2022. Effects of strict containment policies on COVID-19 pandemic crisis: lessons to cope with next pandemic impacts. Environmental Science and Pollution Research, DOI: 10.1007/s11356-022-22024-w, <https://doi.org/10.1007/s11356-022-22024-w>

John, T.J., Dharmapalan, D. 2019 The moral dilemma of the polio eradication programme. Indian journal of medical ethics, 4 NS(4), pp. 294–297

Coccia M. 2022. COVID-19 Vaccination is not a Sufficient Public Policy to face Crisis Management of next Pandemic Threats. Public Organization Review, <https://doi.org/10.1007/s11115-022-00661-6>

Okeibunor, J., Nshimirimana, D., Nsubuga, P., ...Mihigo, R., Mkanda, P. 2016Documentation of polio eradication initiative best practices: Experience from WHO African Region. Vaccine, 34(43), pp. 5144–5149

Coccia M. 2022. Improving preparedness for next pandemics: Max level of COVID-19 vaccinations without social impositions to design effective health policy and avoid flawed democracies. Environmental Research, vol. 213, October 2022, n. 113566. <https://doi.org/10.1016/j.envres.2022.113566>

Mach, O., Sutter, R.W., John, T.J. 2016Poliomyelitis.International Encyclopedia of Public Health, pp. 509–518