

Review of: "Scout TB: An AI Robot for the Screening of Tuberculosis Among Prisoners – A Novel Technique"

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Potential competing interests: No potential competing interests to declare.

The manuscript describes the use of combined technology of robots and artificial intelligence in monitoring tuberculosis cases among prisoners. It is a welcome development considering the urgent need for faster and more reliable health service delivery among the vulnerable in society. The combined technology promises to be a one-stop point for sample collection, sample analysis, and data processing and interpretation, with security for personal data and privacy.

The manuscript can be greatly improved by considering the following comments:

1. There is a need for more data and references to establish the concept.
2. The proof of concept should be demonstrated if possible.
3. The illustration of the concept for sample collection, preparation, analysis, and data processing should be demonstrated.
4. The factors that can limit the implementation of the concept should be taken into consideration.
5. The automation level of the concept should be well defined. What will be the limited level of human involvement in the sample processing? Is the process going to be fully automated?
6. The chart provided should be presented as a Figure with a number and title. The data source should be stated, and the date of data collection should be included.
7. There is a need for reliable statistics from similar concepts currently in use.