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

Seng Hansun[1]

1 University Multimedia Nusantara

Potential competing interests: No potential competing interests to declare.

The authors introduced a novel idea to develop an AI-empowered robot (called Scout TB) for the screening of tuberculosis within prison settings. At first, I thought the idea had been developed and implemented in a real-world, or at least a simulation, environment based on the paper's title and abstract. However, after reading the full content, it seems that the authors focused on proposing the idea as a novel solution for TB screening but had not developed or implemented any aspects of it yet. Therefore, it is more likely an 'Opinion' or 'Perspective' rather than a research paper. Moreover, I would like to suggest that the authors elaborate on more technical aspects in realizing the idea, for example, by explicitly describing the natural language processing (NLP) techniques and machine learning (ML) models to be implemented (as different kinds of biomarkers may use different techniques) in the robot, statistical techniques that can be used to measure the cost-benefit calculation (and how the authors could get the current vs. robot costs actually), etc. The overall idea to build the Scout TB robot can be divided into several areas of implementation (such as robot hardware development, robot AI integration, feedback measurement, TB diagnosis methods based on different data types, etc.) and discussed in several research papers. Thank you.