

# 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 article details the conceptualization and potential application of an AI-powered robotic system, Scout TB, designed to enhance tuberculosis (TB) screening processes within prison settings. It emphasizes the integration of AI and robotic technology to perform health screenings, specimen collection, and health education autonomously, aiming to improve efficiency, accuracy, and cost-effectiveness in TB management among prisoners.

## Strengths:

- The idea of using AI-powered robots for TB screening in prisons is novel and addresses a critical public health issue in a high-risk environment.
- The article covers various aspects of the proposed robot, including design, AI integration, health inspection services, specimen collection, health education, data management, emergency response, and feedback mechanisms.

## Weaknesses

- The article mentions many advanced technologies and processes (e.g., AI algorithms, machine learning models) but lacks detailed technical explanations or evidence of the authors' expertise in these areas.
- The work appears to be in an early conceptual stage without concrete data, prototypes, or pilot studies to support the feasibility and effectiveness of the proposed robot.

## Recommendations

- Provide more detailed descriptions of the AI algorithms, machine learning models, and robotic technologies involved. Include technical specifications, design blueprints, and examples of how these technologies will be implemented.
- Conduct and present results from pilot studies or prototype testing to demonstrate the practical feasibility and effectiveness of the Scout TB robot in real-world prison settings.