

Review of: "[Commentary] Artificial Intelligence, or Artifact Intelligence? Most AI Is Not Ready for Practice"

Rashmi Datta

Potential competing interests: No potential competing interests to declare.

The subject is very relevant, but the word count of a Commentary has restricted the ideas of the author.

The concept of artifact intelligence, or artificially intelligent, is interesting. AI in health care is the new kid in town. It came with a bang, and there were discussions about how it will replace humans (a la Terminator movies). However, several concerns have been raised about these systems' accuracy, reliability, legality, and trustworthiness, which may apprehend the future growth of these systems.

Current programs can at best be used in diagnosis and not in performing procedures. The problem is that a large number of unverified versions of AI-based health care programs have emerged without stringent analysis of fundamental limiting factors, weaknesses, and threats. The confounding factors affecting the correlations on which the diagnostic ability of the programs is based have not been ironed out. This is even more important now that mistakes of the available AI-based health care programs are being reported.

Since there are financial implications of any diagnosis, the AI-based programs have to be subjected to formal verification techniques to guarantee the correctness and dependability. The authors have highlighted the huge monetary investment required to produce safe AI programs. These are low-cost programs and are being widely used by hospital administrators eager to reduce costs.

The authors can be asked to write a narrative review on the subject.