Review of: "More Human Than All Too Human: Challenges in Machine Ethics for Humanity Becoming a Spacefaring Civilization"

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Potential competing interests: No potential competing interests to declare.

The topic of this article is cutting-edge. It has clear argument and good structure, but it needs to be revised.

My suggestions for revision are as follows:

1. The abstract needs to avoid exact wording with the sentences in the body of the text. Even within the abstract, there are two highly similar sentences: "Machines with AI have a normative function, but some argue that it can also be evaluated from the perspective of ethical norms." and "Machines have a normative function, but some argue that it can also be evaluated from the perspective of ethical norms." I suggest the author rewrite the abstract.

2. The article mainly focuses on two questions in the field of machine ethics. If the notion of machine ethics is a controversial topic, then the author needs to clearly outline what are the main controversy and who are the most important participants invloving in the debate. More comprehensive literature review is needed.

3. The author claims that an important consideration in developing explicate ethical agents is what moral theory is appropriate in its development. The author needs at least a paragraph to summarize the current types of moral theory so as to address the question "should moral theory be extended to Machines?".

4. The article has too little proportion on the textual analysis, with only one example of the film 2001: A Space Odyssey taken into consideration. It has no discussion on Isaac Asimov's The Three Laws of Robotics" which formed an organizing principle and themes for Asimov's robot-based stories. The article should discuss Asimov's machine ethics to support his argument.