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| **Title:** | | Appropriate uses of AI in the surgical patient | | |
| **Purpose:** | | Discussion | | |
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| **Abstract:** | What kind of world do we want? How can technology serve that vision? |

The use of Artificial Intelligence in everyday life comes with opportunity and risks. Underuse may lead to loss of global benefit and unnecessary opportunity costs.

Overuse may result in devalued clinical acumen and a deficiency in humanitarian input and health professional responsibility.

To ensure appropriate long-term usage we should have an inclusive and diversified patient data set input in the algorithm in order to avoid human bias or machine learning error.

Core ethical principle of beneficence, non-maleficence, patient autonomy and justice should be remembered with use of this technology.

The inexplicable and non-accountable nature of machine error must be considered. The advisory and authoritarian agency AI will become in health care requires appropriate clinical governance.

As a reconstructive surgeon I would like to see this technology used in the following areas of interest:

1. Early diagnosis and management of melanoma
2. Improved utilization of operating theatre and hospital resources
3. Improvement of the surgical patient's autonomy

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