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## Digital technology

The rapid pace of development and application of digital technology and data science, including artificial intelligence (AI), is transforming our world. Somerville et al. address the question: "Is bioethics relevant to how we should develop, govern, and use AI in healthcare, specifically in neurosurgery?" We recognize that medical decision-making involves complex uncertainty, and predicting potential outcomes is difficult. They conclude that the use of AI in neurosurgery is not inherently unethical. Hence, the ethical question becomes: Do its benefits and potential benefits of neurosurgery outweigh its risks and harms, and what safeguards are needed to ensure this? Requiring and obtaining patients' valid informed consent is important, but what such consent requires is debatable. Earning and maintaining the trust of everyone involved, especially patients and clinicians, is also essential. They recommend that to ensure the ethical development and use of AI, neurosurgeons approach its use with knowledge of both the science of AI and applied ethics, and employ moral humility and moral courage in their decision-making <sup>1)</sup>

Somerville MA, Buchlak QD, Bennett CC. Focusing a Bioethics Lens on the Development and Use of Artificial Intelligence in Medicine and Neurosurgery. Adv Exp Med Biol. 2024;1462:529-542. doi: 10.1007/978-3-031-64892-2\_33. PMID: 39523288.

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