Artificial Intelligence and New Technologies in Medicine and Surgery. Is it all sunshine and roses?

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Artificial Intelligence (AI) is impacting the entire healthcare ecosystem, presenting relevant opportunities to address the significant challenges facing the global healthcare landscape. While AI-based applications can technically support clinical decision-making in diagnosis and risk management, its practical use recalls various ethical concerns, raised by medical doctors. An international multidisciplinary expert consensus, based on a general framework promoted by the European Union, has summarized some of these factors, including human agency and oversight, privacy and business models in the use of clinical data, and accountability. Moreover, technology acceptance dynamics emerge. A recent investigation promoted by the World Society of Emergency Surgery has underlined how the community is divided into two groups, those who are "whynotters" and more open to the new technological tools, and those who can be described as "yesbutters," less willing to change their traditional paradigms. While department chiefs are more open-minded, digital native GenZ physicians are not particularly keen on digital transformation dynamics. Therefore, new strategic paradigms are needed for clinical culture and education.