

Significance of Artificial Intelligence/Machine Learning: Gastronology †

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Abstract: Artificial intelligence (AI) will eventually improve human capabilities, give robots true autonomy, minimize mistakes, and boost production and efficiency. Artificial intelligence (AI) is a collection of technologies that enable robots to detect, comprehend, and learn at human-like levels. Artificial intelligence (AI) technologies have revolutionized numerous sectors and are now widely employed in a wide range of consumer goods and services. Artificial intelligence (AI)-based apps have swiftly altered our work and home settings, as well as our interactions with technology, in recent years. Artificial intelligence (AI) is a relatively new and very effective technology. Also provided is a dictionary of widely used AI terminology and concepts. Based on their training and validation, AI-based endoscopic systems may consistently identify and give essential information about gastrointestinal pathology. Deep learning (DL) technology has been utilized in various medical disciplines, including gastrointestinal endoscopy, to recognize, distinguish, and catalog pictures. Gastroenterologists should be aware of the new uses, benefits, and limits of AI in gastrointestinal endoscopy and should embrace it as soon as possible. Although many of the benefits of AI appear to promise for ordinary endoscopy, endoscopy still relies significantly on the endoscopist's technical abilities. We address AI and its many technological terminologies and its increasing role in gastrointestinal endoscopy and future prospects in this review. Artificial intelligence (AI) is a set of advanced computing technologies that enable computers to learn and operate with intelligence comparable to that of the human brain. This paper examines the reported AI applications in GE, with an emphasis on endoscopic image processing. We address AI and its many technological terminologies and its increasing role in gastrointestinal endoscopy and future prospects in this review. Artificial intelligence (AI) is a wide term that refers to creating and using computer algorithms that can accomplish activities that would normally need human intelligence.

Keywords: artificial intelligence; gastrointestinal endoscopy; machine learning; endoscopic diagnosis; gastric cancer; gastrointestinal disease.

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Conflicts of Interest

The authors declare no conflict of interest.