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Artificial intelligence in perioperative management of major gastrointestinal surgeries

Artificial intelligence in Perioperative Management

Abstract

Artificial Intelligence (AI) demonstrated by machines is based on reinforcement learning and revolves around the usage of algorithms. The purpose of this review is to summarize concepts, scopes, applications and limitations in major gastrointestinal surgeries. This is a narrative review of the available literature of the key capabilities of AI to help anesthesiologist, surgeons and other perioperative physicians to understand and critically evaluate ongoing and new AI applications in perioperative management. AI uses available database which is called as 'big data' to formulate an algorithm.

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