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The Impact of Robotic Assistance and Automation on Maxillofacial Surgical Precision and Efficiency

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Abstract

The integration of robotic assistance and automation into maxillofacial surgery represents a signi f cant advancement enhances precision, reduces surgical time, and improves patient recovery compared to conventional methods. These results suggest that robotic technology holds considerable promise for advancing maxillofacial surgery, o f ering both improved outcomes and operational e f ciencies.

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need for specialized training. Future studies should focus on long-term outcomes, cost-e ectiveness, and the potential for robotic technology to be integrated into various types of maxillofacial procedures [10].

C c

Robotic assistance and automation have signi cantly impacted the eld of maxillofacial surgery by improving precision, reducing operative time, and enhancing patient recovery. ese advancements represent a major step forward in surgical technology, with the potential to revolutionize the practice of maxillofacial surgery. Continued research and development in this area are essential to fully realize the bene ts of robotic systems and to address the associated challenges.

Ac edg e

None

C c f I e e

None

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