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(57) Abstract :

The present invention discloses a Virtual Reality Model for Advanced Remote Medical Surgeries comprising a VR headset (101), haptic gloves (102), robotic surgical arms (103), AI latency compensation module (104), patient monitoring system (105), and secure communication backbone (106). The system creates immersive, real-time surgical environments that allow surgeons to perform delicate procedures remotely with precision, safety, and confidence. By integrating tactile feedback, predictive AI algorithms, and robust communication channels, the invention enables surgical accessibility in remote, rural, disaster, and space environments.

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