

Research on the operation process of the Renaissance Mazor surgical assistance robot

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Abstract: This topic aims to study and implement the operational process of the Renaissance Mazor surgical robot in clinical practice. The reason for choosing this topic stems from the need to improve the accuracy and efficiency of complex surgeries. The objective is to build an effective robot management and control system, ensuring patient safety. The approach combines theoretical research with experimentation to evaluate system performance. The expected results of this topic will contribute to improving the quality of medical services and providing improvement solutions for future robotic surgical systems.

Keywords: Surgical robot, Renaissance Mazor, operational process management, clinical safety, surgical performance