

Research on the Salient contrast injector used in CT scanning

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Abstract: This topic aims to analyze and research the design of the Salient contrast media injection system used in CT imaging. The background for selecting this topic is based on the necessity of improving medical procedures to achieve higher accuracy and reduce waiting time for patients. The research objective is to build an automatic injection system capable of delivering precise dosages while optimizing the CT scanning process. The research method combines theoretical research with practical experiments to ensure the system's stability and accuracy. The expected result is a significant improvement in the field of diagnostic imaging, contributing to enhancing the quality of medical services.

Keywords: inject contrast agent, CT scan, automation