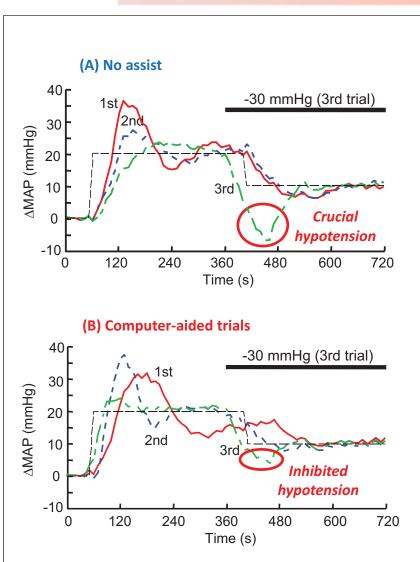


## Computer-Aided Drug Delivery System with Adaptive Predictive Control

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## Content:

A computer-aided drug delivery system with adaptive predictive control was proposed to support the judgment of operators.

This assistant system can predict future drug responses of a patient and calculate optimal drug infusion rates. The predicted values are presented on a monitor screen.

Regardless of sudden disturbances such as bleeding, the operators using the computer-aided system were able to regulate arterial blood pressure.

To improve the computer-aided system, the method for emergent warning or the correspondence to multiple drug infusions must be considered.

Keywords: intelligent system, human interfaces

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