



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

E-mail: kashihara.koji@tokushima-u.ac.jp

Tel. +81-88-656-9315

Fax: +81-88-656-9315

HP :

<http://pub2.db.tokushima-u.ac.jp/ERD/person/214639/profile-ja.html>