

A survey of fuzzy control strategies for neuromuscular blockade using continuous infusion of atracurium *

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Abstract

This paper summarises the evaluation of a set of fuzzy control strategies for the neuromuscular relaxation using continuous infusion of atracurium. The analysed controllers include both fixed parameters and adaptive controllers. A fuzzy scheduler and a conventional PID are also examined.

The presented results suggest that model based predictive fuzzy controllers are one of the most promising strategies.

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