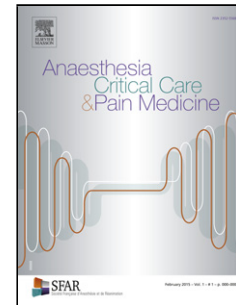


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## The pupillary light reflex for predicting the risk of hypotension after spinal anaesthesia for elective caesarean section

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### ABSTRACT

**Introduction:** The balance between the sympathetic and parasympathetic systems could be used to predict the onset of hypotension following spinal anaesthesia. The autonomic innervation of the pupil may reflect this balance. The aim of this study was to evaluate the ability of pupillometry to predict the risk of hypotension after spinal anaesthesia for caesarean section.

**Methods:** Two hundred patients receiving spinal anaesthesia for caesarean section were recruited. Changes in pupillary diameter, pupillary reaction latency, pupil constriction velocity and maximum and minimum pupillary diameters were measured with a pupillometer (Neurolight<sup>®</sup>, IDMed) prior to induction of spinal anaesthesia with 10 mg

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