Reviewer’s report

Title: Three suspected cases of sugammadex-induced anaphylactic shock

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Reviewer: Jean-Marc Malinovsky

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The manuscript proposed by Takazawa et al about 3 cases of hypersensitivity reactions to sugammadex is interesting for several reasons. This specific antidote of steroidal neuromuscular blocking agents has been recently introduced on the market. As it relieves profound paralysis induced by steroidal neuromuscular blocking agents it would be widely used in the future. Publications of adverse events related to sugammadex allow indicating its better indications.

As the authors point out, several cases of hypersensitivity reactions to sugammadex have already been published as articles (Godai et al BJA 2012; 109:216; Menedez-Oczoidi et Anaesthesia 2011; 66:217), and alert from various scientific societies of anaesthesiologists including the Japanese Society of Anaesthesia are of interest. As 95 clinical cases of identical adverse reactions are recorded for this alert by the Japanese Society of Anaesthesia it would be of interest to cite it in bibliography or as foot note in this article.

Authors must provide the sampling times and the values of markers (plasmatic concentrations of histamine and tryptase) that are mentioned in the discussion.

On the other hand, injected IDR in healthy volunteers with no skin reaction are not known with sugammadex while for many drugs used in the perioperative period they have been studied and published (Mertes et al, Anesthesiology 2007. 107:245). This is important for the interpretation of skin tests reported by the authors and must be longer discussed.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

Potential conflicts of interest:
Teacher of allergo-anaesthesia
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