

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**ESPS manuscript NO:** 14915

**Title:** EFFICACY OF NEUROMUSCULAR BLOCK REVERSAL WITH DIFFERENT DOSES OF SUGAMMADEX AFTER CONTINUOUS INFUSION OF ROCURONIUM

**Reviewer's code:** 00526025

**Reviewer's country:** Japan

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-10-30 20:23

**Date reviewed:** 2014-12-13 11:48

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input checked="" type="checkbox"/> Minor revision
<input checked="" type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

## COMMENTS TO AUTHORS

The authors studied recoveries of neuromuscular blockade with boluses of sugammadex 2mg/kg and 4mg/kg in patients with gynecological surgery who received continuous infusion of rocuronium. General comments: The authors claim that sugammadex of both 2 mg/kg and 4 mg/kg was "effective" to antagonize continuous infusion of rocuronium in patients who received gynecological surgery. I would recommend the authors clearly state the authors' new finding(s). Specific comments: There are six paragraphs in "Introduction." I think six paragraphs for introduction are too many. I would recommend to combine paragraphs 1 and 5 into the first paragraph. Introduction usually consists of two paragraphs. I would recommend that "Materials and Methods" be just "Methods" or "Patients and Methods." When did you stop giving sevoflurane during anesthesia and surgery? I think it is important. Page 9 Line 8: I think FiO2 should be FIO2. Results I think figures should be rounded to the first decimal place. Page 12 Third paragraph, line 4: I cannot understand "A y 110." Line 6 from the bottom: In the text, the author write 87.5, which is 82.5 in the table. Which is correct? Figure 1b) Mean arterial pressure is written along the vertical line. However,

legend for Figure 1b) indicates it is “diastolic blood pressure.” I think vertical line seems “mean arterial pressure.” Adverse events should be shown in table. Discussion I recommend the authors clearly state their new finding(s). The authors write that “4 mg/kg of sugammadex was effective for the recovery of NMB induced by a continuous infusion of rocuronium in patients who kept anaesthetized with sevoflurane. Likewise, we have found that a dose of 2mg/kg of sugammadex can also be effective.” The authors should state their definition of “effective.” I think their result can be interpreted that 2mg/kg of sugammadex is enough to antagonize continuous infusion of rocuronium. Is this correct? END

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**Title:** EFFICACY OF NEUROMUSCULAR BLOCK REVERSAL WITH DIFFERENT DOSES OF SUGAMMADEX AFTER CONTINUOUS INFUSION OF ROCURONIUM

**Reviewer's code:** 00506098

**Reviewer's country:** Italy

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-10-30 20:23

**Date reviewed:** 2014-12-08 18:18

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

## COMMENTS TO AUTHORS

This is a study comparing the efficacy and safety of two different doses of sugammadex. The paper is well written and designed. The topic is not quite original but may be of interest to the reader. English language needs minor editing.

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**ESPS manuscript NO:** 14915

**Title:** EFFICACY OF NEUROMUSCULAR BLOCK REVERSAL WITH DIFFERENT DOSES OF SUGAMMADEX AFTER CONTINUOUS INFUSION OF ROCURONIUM

**Reviewer's code:** 00506103

**Reviewer's country:** Italy

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-10-30 20:23

**Date reviewed:** 2014-12-13 01:37

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

## COMMENTS TO AUTHORS

The Authors report the efficacy of two doses of sugammadex after continuous infusion of rocuronium. The article is interesting and well written. The effectiveness of the sugammadex after administration of rocuronium is well documented in the literature and its superiority compared with neostigmine is well known. However, you should explicate the choice of the dose because a dose of 4 mg are recommended after a deep neuromuscular block and a dose of 2 mg after two responses. The hypothesis should be reported in the introduction. In fact it has been demonstrated that a dose of 4 mg is effective after continuous infusion of rocuronium after the spontaneous recovery of first twitch (T1). A dose-response curve might be more appropriate. (Rex C, Wagner S, Spies C, Scholz J, Rietbergen H, Heeringa M, Wulf H. Anesthesiology. 2009;111:30-5.) In particular the authors should better explain the choice of number of patients and if a reduction of few seconds is really clinically relevant specially with regard to a TOF ratio of 0.9. I suppose that a lower TOF ratio has little or no relevance. Page 11 the authors should specify Pillay's test and bibliography of Mauchly's test. Discussion. The authors should stress the utility and safety of 2 mg of sugammadex instead and



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outline the absence of re-curarization after this dosage if a TOF ratio of 0.9 is safety or a higher dose could be safer to obtain a TOF ratio of 1

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**Reviewer's code:** 00506051

**Reviewer's country:** Croatia

**Science editor:** Xue-Mei Gong

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**Date reviewed:** 2014-11-05 19:10

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input checked="" type="checkbox"/> [ Y] Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> [ Y] Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> [ ] High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input checked="" type="checkbox"/> [ Y] Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> [ ] Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> [ Y] No	<input type="checkbox"/> [ ] Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> [ ] Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> [ Y] No	

## COMMENTS TO AUTHORS

The manuscript although well written does not represent new story. <http://www.ncbi.nlm.nih.gov/pubmed/19512873> All parts fo manuscript are well written, A conflict of interest exists, since translation of the manuscript was paid by the manufacturer of the sugammadex. Best wishes