

## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Critical Care Medicine

**ESPS manuscript NO:** 13153

**Title:** Modeling Cardiac Arrest and Resuscitation in the Domestic Pig

**Reviewer code:** 00068168

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-08-08 10:59

**Date reviewed:** 2014-09-10 09:55

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This is an interesting and a comprehensive review. The main objective of this article as pointed out by the authors is to review studies on porcine cardiac arrest-CPR models reported in the literature, to describe clinically relevant phenomena observed during cardiac arrest and resuscitation in pigs, as well as to discuss numerous methodological considerations in modeling cardiac arrest/CPR. This review covered almost all the literature in this field, and considered the most recent findings in porcine cardiac arrest-CPR models. Overall the manuscript is well written and suggested to be adopted after correction. 1. On page 9 bottom, authors claim that CPR was administered by a pneumatic, piston-driven device, ensuring consistency of CPR administered across experiments. Authors should provide a reference to support this observation. 2. For easy understand the article by authors, it is better to include more related figures or tables in the revised manuscript.

## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Critical Care Medicine

**ESPS manuscript NO:** 13153

**Title:** Modeling Cardiac Arrest and Resuscitation in the Domestic Pig

**Reviewer code:** 00502903

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-08-08 10:59

**Date reviewed:** 2014-10-14 04:40

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

It was a pleasure to read this well-written manuscript regarding porcine models of cardiac arrest and resuscitation. The manuscript is well-organized, timely, and important. Some specific comments: p.7, full paragraph starting line 175: Would the authors care to describe when the coronary artery occlusion is reversed in the timeframe of experimental conditions, either in this paragraph or in the Table? p.14, line 349: "hypothermia" should be hyperthermia, I believe Figures and Tables: As there are only one each of Figure and Table, they need not be numbered and can simply be referred to as Figure or Table.