Reviewer’s report

Title: Prevalence and multivariable factors associated with inadvertent intraoperative hypothermia in video-assisted thoracoscopic surgery: a single center retrospective study

Version: 0 Date: 13 Dec 2019

Reviewer: Michael Franklin

Reviewer's report:

I have made edits to the paper up to the discussion section, and my suggestions are below. The data seems reasonable, but this paper needs to be edited thoroughly for translation to be used in an English-language publication.

Page 3 ("Abstract" is heading at top):

Line 3 - VATS stands for "video-assisted thoracoscopic surgery"
Line 9 - change "electronical" to "electronic"
Line 11 - insert "set to" after "blankets"
Line 12 - change "monitoring" to "monitored"
Line 19 - insert "with" after "general anesthesia combined..."
Line 20 - change "anesthesia induction" to "induction of anesthesia"
Line 23 - see changes for line 19 - same thing... "combined WITH paravertebral block"

Page 4 ("Background" is heading at top)

Line 6 - change "augmented" to "increased"
Line 6 - insert the word "several" before "different"
Line 6 - Period after "adverse events". New sentence starting with "For instance..."
Line 8 - Change "as well as" to "and"
Line 9 - Change "thoracic" to "thoracoscopic" or remove altogether. "VATS" should be sufficient, as this has been established as an acronym earlier in the manuscript.
Line 10 - insert "the" before "environment"
Line 12 - remove "multivariable"
Line 13 - insert "with" after "general anesthesia combined..."
Line 17 - Change "waiving consent" to "informed consent was waived"

Page 5

Line 2 - change "were" to "was"
Line 9 - change "mediastinum" to "mediastinoscopy"
Line 15 - insert "the" before "hospital's control center"
Line 16 - Insert "a" before "cotton"
Line 17 - No need for the word "device" after electric warming blanket"
Line 20 - Change "whilst" to "while"
Paragraph beginning on line 22 should read... "Continuous categorical variables were described in mean (standard deviation) when in a normal distribution. Median [interquartile range data were computed where abnormally distributed data were encountered. Frequency distributions in non-normal
distributions are shown. Univariate logistic regression analyses were used to explore the influencing factors for inadvertent intraoperative hypothermia, and brought variables with p-values less than 0.1 into multivariate logistic regression analyses with backward stepwise regression.

Page 6

Line 2 - remove the word "come"
Line 7 - remove "were elderly..." Elderly, as defined by the WHO, is 65 years of age or older. Not all of the patients in this analysis fit this criteria, and no other criteria for "elderly" are referenced. Say "ranged 51-66 years of age" instead of "were elderly"
Line 11 - insert the word "with" before "73.6%"
Line 18 - insert the word "and" before "ultimately"
Line 20 - end of the line should read "in the OR was protective..."
Line 21 - remove the first word "factors"

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
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Yes

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Quality of written English
Please indicate the quality of language in the manuscript:

Not suitable for publication unless extensively edited

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