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Manuscript No.: 13764 **Scientific Editor:** Gong XM **Column:** Topic Highlights

Date: December 22, 2014

The primary responsibilities of scientific editors include carefully checking the entire manuscript and all accompanying materials for:

- errors in spelling, grammar, punctuation and wording
- suitability of tables, figures, figure data and legends
- accurate and appropriate presentation of symbols (e.g. +, -, ×, ÷, %, ∗) in tables and figures
- complete and comprehensive revision of the manuscript according to the reviewers' comments

Item no.	Specific items for verification	Comments
1	Fixed headings are copied.	√YES ☐NO
2	The title concisely summarizes the main topic of the study and is not too long (no more than 12 words). The use of words such as 'exploration', 'research', 'analysis', 'observation', and 'investigation' is avoided. The title does not start with 'The' or Arabic numbers, and does not include uncommon abbreviations.	√YES ☐NO
3	A running title is provided (no more than 6 words).	√YES ☐NO
4	The authors' full family (sur)names and full/abbreviated first names listed on the title page are consistent with those in the signed BPG Copyright Assignment form. All authors have signed the BPG Copyright Assignment form. The entire manuscript has been investigated for suspected or proven academic/publication misconduct before the manuscript is sent to the Editor-in-Chief.	√YES ☐NO
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6	The 'Supported by' statement describes the source(s) of financial support, including identification number(s) and program ID(s) if available, and contains no spelling errors.	☐YES √NO
7	The 'Author contributions' passage describes the specific contributions made by each author, using the following format (full family (sur)name and abbreviated first and middles names): Wang CL and Liang L contributed equally to this work; Wang CL, Liang L, Fu JF, Zou CC, Hong F and Wu XM designed the research study; Wang CL, Zou CC, Hong F and Wu XM performed the research; Xue JZ and Lu JR contributed new reagents and analytic tools; Wang CL, Liang L and Fu JF analyzed the data; and Wang CL, Liang L and Fu JF wrote the manuscript.	√YES ☐NO
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11	The Abstract section is formatted according to the article-specific style (structure *vs* unstructured) and word count thresholds, as follows: Commentary, Frontier, Review, Topic Highlight, Observation, Guidelines for Basic Research, and Guidelines for Clinical Practice: Non-structured abstract that is no less than 200 words. Field of Vision, Case Report and Letter to the Editor: Non-structured abstract that is no less than 150 words. Original articles: Structured abstract with subsections for AIM (no more than 20 words), METHODS (no less than 140 words), RESULTS (no less than 150 words), and CONCLUSION (no more than 26 words). Brief articles: Structured abstract with subsections for AIM (no more than 20 words), METHODS (no less than 80 words), RESULTS (no less than 120 words), and	√YES ☐NO

	CONCLUSION (no more than 26 words).	
12	The 'Keywords' list 5-10 keywords that reflect the main content of the study. The first letter of each keyword is capitalized, and each keyword is separated by a semicolon.	√YES □NO
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14	The 'INTRODUCTION' section clearly describes the relevant background information for the study. Only the most relevant and current (within the past 5 years) literature is cited, with the exception of rare instances of seminal literature citations. All technical terms and/or abbreviations are explained and/or defined, with the full name of abbreviations given upon first appearance in the text and the abbreviation presented in parentheses (i.e. "…computed tomography (CT)"). First-person pronouns (e.g. 'I', 'we') are used appropriately to clearly indicate the work performed by the author(s). When weaknesses of previous studies are described in the text to highlight the innovations related to the current study, the information is presented carefully.	√YES □NO
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16	The 'RESULTS' section concisely describes the observatory and experimental results. Representative data and data that have scientific significance are emphasized. Data is presented in either the text, a table or figure (i.e. chart, diagram, graph or image), but is not repeated among each. The information in tables and figures clearly describes the trends, meaning, and inferences. Results described in textual form are accurate, concise and clear.	□YES √NO
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18	Split pictures include flow charts, line graphs, histograms, and graphs including text. Unsplit pictures include meta-analysis diagrams, PCR amplification curves, and survival curves.	√YES □NO
19	Statistical symbols are accurate. Statistical significance is expressed as $^{a}P<0.05$, $^{b}P<0.01$ ($P>0.05$ usually does not need to be denoted). If there are other series of P values, $^{c}P<0.05$ and $^{d}P<0.01$ are used, and a third series of P values is expressed as $^{e}P<0.05$ and $^{f}P<0.01$. Statistical data is expressed as mean ± SD or mean ± SE.	□YES √NO
20	The 'DISCUSSION' section (1) describes the main purpose and hypothesis of the study, (2) summarizes the most important results, (3) illustrates and explains the results (but does not simply repeat the data) and draws conclusions or inferences based on the results, (4) points out the limitations of the study and their impact on the results, as well as proposes further advice on future research topic(s) or direction(s), and (5) describes the theoretical significance and practical value of the findings.	□YES √NO
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22	The 'COMMENTS' section provides comments for original articles and brief articles in accordance with the specified format. 'Science News' is written for original articles in accordance with the specified format.	□YES √NO
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25	The names of the peer reviewers and the scientific editor are present at the end of the paper (e.g., P-Reviewer Hugot D S-Editor Wang JL).	√YES □NO

26	The number of cited references is appropriate for the article type: Commentary: no less than 50 Review: no less than 100 Original article: no less than 36 Brief article: no less than 26 Case Reports and Letter to the Editor: no less than 1		√YES □NO
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