

## ESPS Peer-review Report

**Name of Journal:** World Journal of Anesthesiology

**ESPS Manuscript NO:** 4341

**Title:** Regional for Acute Pain Medicine in Cognitively Impaired & Elderly Patients

**Reviewer code:** 00506045

**Science editor:** Song, Xiu-Xia

**Date sent for review:** 2013-06-27 18:12

**Date reviewed:** 2013-07-18 13:51

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 type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of	<input type="checkbox"/> No records	
<input checked="" type="checkbox"/> Grade D (Fair)	language polishing	BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input checked="" type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

It is a review article about the use of regional anesthesia for elderly patients. It is useful to have update information about this topic. However, the authors need to consider some major points in order to improve the manuscript. Title: 1. This manuscript is mainly about the use of regional in elderly. There are some parts for cognitively impaired patients but many are not related. The authors should consider revising the title. Abstract: 1. The last sentence: the manuscript is about the regional in elderly and not the focus of anesthesiologists. Introduction: 1. More reference should be quoted at this part. For example, "However, there is some demonstration and evidence-based outcomes...": Any reference? 2. The first paragraph: "Therefore, the focus of this review is directed toward geriatric patients.....": it is not the same as the title for cognitively impaired patients. 3. Figure 1: any example for sympathetic nerve block for acute pain relief? 4. Figure 2: It is not directly related to the topic and can be omitted. Otherwise, the introduction is too long. 5. The stress should be regional in elderly patients and not the role of anesthesiologists. Main contents: 1. The authors should be consistent in each part of the main contents. It is good to have the introduction of different body systems, which is followed by the impacts of anesthesia/ regional on them with evidence. Each part should have similar structures. 2. More references are required when introducing the basic information of each body system. 3. Why did the authors only discuss the hip surgery? Back surgery and knee surgery are also common in elderly patients. Conclusions: The conclusion is too long. It should be concise and conclude the important parts of the article. References: The references are not update enough. Only one reference from 2009 and most are between 1990 to 2005. The references should be most update ones. Are there any more new information/ evidence in recent 5 years? The authors have to make sure the references are completed and up to date.

## ESPS Peer-review Report

**Name of Journal:** World Journal of Anesthesiology

**ESPS Manuscript NO:** 4341

**Title:** Regional for Acute Pain Medicine in Cognitively Impaired & Elderly Patients

**Reviewer code:** 02446023

**Science editor:** Song, Xiu-Xia

**Date sent for review:** 2013-06-27 18:12

**Date reviewed:** 2013-07-27 02:08

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> [ Y] Accept
<input type="checkbox"/> [ Y] Grade B (Very good)	<input type="checkbox"/> [ Y] Grade B: minor language polishing	<input type="checkbox"/> [ ] Existed	<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	BPG Search:	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> [ ] Grade E (Poor)		<input type="checkbox"/> [ ] Existed	<input type="checkbox"/> [ ] Major revision
		<input type="checkbox"/> [ ] No records	

## COMMENTS TO AUTHORS

**General Comments:** This is an interesting and informative review that makes a strong case for regional anesthesia (RA) use for elderly patients. The scope of coverage is broad and the review of the literature is relatively comprehensive, albeit with few recent (within the past 5 years) citations. The manuscript is generally well constructed and written clearly, with only minor corrections needed (see Specific Comments, below). The authors did a good job of supporting their thesis and the information provided would be a welcomed addition to the literature in this area.

**Specific Comments:** 1. A title, such as "Regional Anesthesia for Acute Pain Medication in Elderly Patients" would better capture the essence of the manuscript. 2. The authors should be more consistent with how their subtitles are presented--some use nearly all capitalized words, while others do not. 3. The use "etc." was a bit excessive. 4. Use of the ampersand rather than "and" was distracting. 5. P3 L5 (from bottom), change "&" to "and". 6. P4, put last sentence of the first paragraph of Introduction at the end of the abstract (or a statement that captures the essence of the review) and re-word the existing last sentence, so that the slashes are replaced with commas and the "etc." is removed. 7. P4, L7 (from bottom), remove colon. 8. P5, L5 change "age related" to "age-related". 9. Table 1, change "Creatinine" to "creatinine". 10. P6, L3, change "above mentioned" to "above-mentioned". 11. P8, L4, change "age induced" to "age-induced". 12. P9, L7, reword this. It is highly doubtful that exposure to an unfamiliar setting would lead to cognitive decline (probably the reverse is true). The unfamiliar environment, however, is likely to cause some distress or anxiety to elderly patients. 13. P10, Change title to be consistent with others (e.g., don't capitalize all letters of key words). 14. P11 L7 (from bottom), change "&" to "and". 15. P12, L2 (from bottom), change "age related" to "age-related". 16. P13, L8 (from bottom), change "organ specific" to

"organ-specific" 17. P15, L1, put comma after "follow-up" and change "age related" to "age-related"  
18. P20, L12, change "age related" to "age-related" 19. P23, L4 (from bottom), put period after  
arrhythmias, and capitalize "however". 20. P26, L1, remove colona and put comma after "instance"  
and change "age related" to "age-related" 21. P28, change capitalization in title and use "and" rather  
than "&" 22. P 29, be consistent with capitalization in the titles on this page and use "and" rather  
than "&" 23. P 30, L2, put comma before and after "respectively" 24. P30, L6 (from bottom), put  
comma before and after "alone" 25. P31, L10, put a comma and the word "including" after "remain"  
or re-word this to make the meaning more clear. 26. P31, L13, put comma after "analgesia" 27. P31,  
L2 (from bottom), put comma before "or" and after "of" 28. P 32, L12, put colon after "by" and put  
semi-colons before each of the subsequent designators (i.e., letters b, c, d) and after "mobilization",  
while inserting another designator "e" after "and" in that sentence. 29. The use of designators  
should be more consistent. Either use letters (e.g., a, b, c, or 1, 2, 3)when listing within a sentence.  
For example, the last paragraph uses 1, 2, 3, while the preceding paragraph used a, b, c, designators.  
30. P33, L4, put "and" after semicolon in that line. 31. P33, L 9-10 (from bottom) Remove the  
capitalization on all words except the first word of that sentence. 30. P33, L7 (from bottom), remove  
"etc." and add "and other health-care facilities" 31. P 34, L2, put comma after "except" 32. P 34,  
last paragraph: replace "ex." with "such as", replace "&" with "and"; remove "etc." 33. P35, L7, change  
"loss" to "lose" and "patient controlled" to "patient-controlled" 34. P35, L15, put comma after  
"anesthesia" 35. P35,last line, change "ex."

**ESPS Peer-review Report**

**Name of Journal:** World Journal of Anesthesiology

**ESPS Manuscript NO:** 4341

**Title:** Regional for Acute Pain Medicine in Cognitively Impaired & Elderly Patients

**Reviewer code:** 00506103

**Science editor:** Song, Xiu-Xia

**Date sent for review:** 2013-06-27 18:12

**Date reviewed:** 2013-08-02 16:54

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"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of	<input type="checkbox"/> No records	
<input type="checkbox"/> Grade D (Fair)	language polishing	BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input checked="" type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

The article is a comprehensive review about deterioration of physiologic function in the elderly patients, particularly not collaborative patients for impaired cerebral function. However, I think that a distinction between elderly patients with severe cerebral disfunction and elderly patient with impaired organic function, as respiratory, metabolic or cardiovascular, is very important. Not collaborative patients could be not candidate to locoregional anesthesia. Moreover, I think that the introduction section could be shortened while a comment regarding to combined epidural and spinal analgesia should be added because the results of more recent articles do not support the effectiveness of epidural analgesia for postoperative respiratory and cardiovascular complications. Furthermore, the use of antiplatelet drugs, NSAID's, aspirin can be a problem especially in epidural block. Also the effect of single administration of spinal opioids that do not give hemodynamic effects compared to local anesthetics could be an efficacious analgesic for 18-24 h. Lastly, the authors report the importance and ethic of postoperative analgesia but the positive effects on POCD is not fully reported.

## ESPS Peer-review Report

**Name of Journal:** World Journal of Anesthesiology

**ESPS Manuscript NO:** 4341

**Title:** Regional for Acute Pain Medicine in Cognitively Impaired & Elderly Patients

**Reviewer code:** Mail

**Science editor:** Song, Xiu-Xia

**Date sent for review:** 2013-06-27 18:12

**Date reviewed:** 2013-07-24 13:51

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of	<input type="checkbox"/> No records	
<input type="checkbox"/> Grade D (Fair)	language polishing	BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

Geriatric anesthesiology is a new field-with many areas of controversy and uncertainty. The article addresses several of these controversies. but much of this information is not new.

Authors did try to review the important systems, they addressed heavily on nervous system. however, renal system is also very important for pharmacokinetics, therefore authors should consider a separate chapter to review renal system.

the author titled Regional for Acute Pain Medicine in Cognitively Impaired & Elderly Patients. Therefore it is important to discuss about informed consent for these patients. Regional techniques are interventional procedures. Informed consent is necessary. It is a challenging job to consent patients.

Peripheral nerve blocks are becoming popular. The effects of peripheral nerve blocks on elderly patients should be addressed separately.

Overall, for open journal, the article can be accepted for publication