

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Orthopedics

**Manuscript NO:** 42794

**Title:** Changing Trends in the Mortality at 1-Year Post Hip Fracture - A Literature Review

**Reviewer's code:** 02691280

**Reviewer's country:** Italy

**Science editor:** Ying Dou

**Date sent for review:** 2018-10-11

**Date reviewed:** 2018-10-12

**Review time:** 21 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input checked="" type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This is an extremely well written paper on a topic of contemporary interest. The vast literature available over time is particularly rich in the very last years. As far as methods are concerned, this cannot really be defined as a systematic review and limiting search



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criteria to "hip fracture", disregarding synonyms as "femoral neck fracture" or "proximal femoral fracture" may have not led to include all the pertinent literature. Overall, my feeling is that this paper, in its actual status, does not add much to present literature. In conclusion, I suggest a methodological review and a re-submission.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Orthopedics

**Manuscript NO:** 42794

**Title:** Changing Trends in the Mortality at 1-Year Post Hip Fracture - A Literature Review

**Reviewer's code:** 00738988

**Reviewer's country:** Italy

**Science editor:** Ying Dou

**Date sent for review:** 2018-10-11

**Date reviewed:** 2018-10-19

**Review time:** 1 Hour, 8 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

**INTRODUCTION** This section is well focused. Although in the last decades the number of proximal femur fractures has greatly increased, more effective multidisciplinary approaches have been developed to deal with this new unstoppable epidemic, with



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already reported reductions in 30-day mortality. However, data concerning the 1-year mortality post hip fracture, which is traditionally set at ~30%, are lacking and consequently require to be updated. **METHODS** Methodology is well described and correctly performed. Data were obtained from papers (and especially annual reports of national registries) which were published from 2013 to 2017. **RESULTS** In the last 5 years, the mean 1-year mortality following hip fracture is comprised between 17.89% (Asia) and 26.8% (South America), with easily predictable variations between countries and continents. Therefore, a mean overall rate of 22.0% (range, 2.4%-34.8%) was found when analyzing data collected from 36 different countries. **DISCUSSION** The authors widely underline the main limitation of the study, as some papers included patients <60 years of age. However, when limiting the inclusion criteria to those studies which involved patients >60 years only, the mortality rate showed a similar finding (21.8%). Although not included in the meta-analysis for “date of publication” reasons (outside the selected range), the Authors should state that the most recent papers confirm that this changing trend continues to be observed, as reported by Reguant et al. (J Clin Anesth 2018;53:11-9), Cancio et al. (Bone 2018;117:123-9), Zanetti et al. (Clin Nutr 2018;Aug 31. pii: S0261-5614(18)32424-5), Chow et al. (J Orth Surg Res 2018;13:235). The results of this study need to consider to definitely revise the 1-year mortality rate post hip fracture, which is actually set at 22%. In conclusion, this is a very well-conducted and well-written paper including remarkable findings, and it could be accepted for publication after minor revision.

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication



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☐ Plagiarism

☐ No

***BPG Search:***

☐ The same title

☐ Duplicate publication

☐ Plagiarism

☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Orthopedics

**Manuscript NO:** 42794

**Title:** Changing Trends in the Mortality at 1-Year Post Hip Fracture - A Literature Review

**Reviewer's code:** 02703298

**Reviewer's country:** Turkey

**Science editor:** Ying Dou

**Date sent for review:** 2018-10-10

**Date reviewed:** 2018-10-23

**Review time:** 21 Hours, 12 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

Title: Main idea is clear and understandable. Abstract: Abstract is readable. Introduction: Previous pertinent literature cited and discussed. Therefore, introduction is adequate. The necessity for the study is clearly indicated. Methods: Study design is appropriate



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to achieve study aim. Discussion: Discussion is sufficient. Also, limitations of the study were given. References: References are updated and accurate. Also references are relevant and comprehensive.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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- ☐ No

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- ☐ Plagiarism
- ☐ No