

Nama Jurnal : Malaysian Orthopaedic Journal
Judul : Femoral Stem Subsidence and Its Associated Factors After Hemiarthroplasty in Geriatric Patients

• **Manuscript Submission**

A manuscript number has been assigned to Femoral Stem Subsidence and Its Associated Factors After Hemiarthroplasty in Geriatric Patients [Kotak Masuk x](#)

The Malaysian Orthopaedic Journal <em@editorialmanager.com>
 kepada saya

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Dear komangagung,

Your submission entitled "Femoral Stem Subsidence and Its Associated Factors After Hemiarthroplasty in Geriatric Patients" has been assigned the following manuscript number: 2020-304. Please quote this tracking number on all correspondence.

You will be able to check on the progress of your paper by logging on to Editorial Manager as an author.
 The URL is <https://www.editorialmanager.com/moj/>.

Thank you for submitting your work to MOJ.

With kind regards,

MOJ Editorial Office
 Malaysian Orthopaedic Journal

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• **Editor Review**

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Click 'File Inventory' to download the source files for the manuscript. Click 'Revise Submission' to submit a revision of the manuscript. If you Decline To Revise the manuscript, it will be moved to the Declined Revisions folder.
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Page: 1 of 1 (1 total submissions) Display 100 results per page.

Action	Manuscript Number	Title	Initial Date Submitted	Date Revision Due	Status Date	Current Status	View Decision
Action Links	2020-304R2	Femoral Stem Subsidence and Its Associated Factors After Hemiarthroplasty in Geriatric Patients	07/08/2020	07/12/2020	23/11/2020	Revise	Revise

Page: 1 of 1 (1 total submissions) Display 100 results per page.

Ref.: Ms. No. 2020-304R2
Femoral Stem Subsidence and Its Associated Factors After Hemiarthroplasty in Geriatric Patients
Malaysian Orthopaedic Journal

Dear Dr komangagung,

Thank you for your interest in publishing your manuscript with the *Malaysian Orthopaedic Journal*. The manuscript had been subjected to peer review. They have identified a few areas requiring further revision. We would like you and your co-authors to revise the manuscript based on these feedbacks. However, a revision does not automatically mean acceptance. We will have to re-evaluate the manuscript before the final decision can be made. The following is a list of feedbacks and comments from the editor/reviewers:

Editor comments:

The study has good message. However, the he statistical analysis and presentation of result need to be corrected especially on t mention by reviewer #2.
Some technical issues regarding the canal flare index need to be clarified as describe by reviewer #3.

Reviewers' comments:

Reviewer #2:

The reporting of Pre-Clinical Animal Research must follow the ARRIVE guidelines
<https://www.nc3rs.org.uk/arrive-guidelines>

The reporting of Case Reports must follow the CARE guidelines
<https://www.care-statement.org/>

The reporting of Observational Studies must follow the STROBE guidelines
<https://www.strobe-statement.org/index.php?id=strobe-home>

The reporting of Non-randomised Trials must follow the TREND guidelines
<https://www.cdc.gov/trendstatement/index.html>

The reporting of Randomised Control Trials must follow the CONSORT guidelines
<http://www.consort-statement.org/>

The reporting of Systematic Reviews or Meta-Analysis must follow the PRISMA guidelines
<http://www.prisma-statement.org/>

Methods

How was the sample size calculated?

How was the data managed?

The statistical tests seems to be rather simplistic.

Kolmogorov-Smirnov test is applicable only to continuous variables. There is no point doing it for categorical variables.

The approach to multivariable analysis is wrong. The authors should use the Hosmer-Lemeshow approach here.

I suggest that the authors redo the analysis.

I also suggest that the authors consult a statistician before redoing the analysis.

Table I

Table I is poorly presented and needs to be revamped.

Percentages and totals should be given. The statistical test needs to be stated. It is not good practice to mix tests for quantitative and qualitative variables together without explanation.

Table II

Table II is poorly presented. Reference categories are not displayed. Because the modelling approach is unclear, it is unclear whether these values represent the final model. Model fit is also not presented.

The analysis needs to be redone.

—

Reviewer #3:

The authors have looked at quite a few parameters. It makes the study very extensive.

Introduction

Material and Methods:-

Page1

Paragraph 2 Authors have used population specific BMI to calculate the nutritional status, it should be specified

Page2

Canal flare Index is calculated with measurements from 20mm above the lesser trochanter and Isthmus. Authors have used diameter 10 cm below the lesser trochanter. Isthmus of femur is present at variable distance from lesser trochanter. It means the use of classification stove pipe, normal and champagne-fluted is inaccurate. It puts the whole statistical data into a question mark. Unless authors want to create their own definition for the sake of this study, it should be clearly stated. (see uploaded files)

Results

It is interesting to note that bone quality of the population in the study is very good. It may be subject matter for another comparative study.

There is no mention on the relationship of subsidence on post-operative pain

Discussion

Page 1 para2

This study showed the number of geriatric patients in the group of age 75-90 years with femoral stem subsidence ≥ 3 mm (14.5%) was greater than patients with the group of age 60-74 years (7.2%).

Points to a well-established protocol for use of cemented stems in this population.

Para3

"Other studies said that the poor Dorr type C" The use of word poor is confusing

Page2 para3 line 5

"This result is reliable with the study conducted by de Beer" . The word reliable may be replaced with " in line with"

Page 3 paragraph 2 line4

"Femoral stem subsidence could make declining in the functional outcomes" . the words make declining may be replaced with " lead to decline"

Line 13

"stem subsidence despite osteolysis" word despite may be deleted

Paragraph 3

"Among the 141 patients who complained of postoperative pain" contradicts the statement under results page para 1 line12 " One hundred and fortyone (78.77%) patients came on the last follow up with no postoperative pain, and 38 (21.23 %) patients came with postoperative pain."

If we go by the statement in discussion 141 patients (78.7%) patients had post operative pain. It is very high.

33 (23.4%) of 141 or 18% of 179 had subsidence of more than 3 mm . It is very high number

Page 4

"Nevertheless, the results of this study will implicate the importance of"

The use word implicate is not appropriate. The word used can be highlights or emphasises.

Conclusion

After going through the data and your presentation, my suggestion would be to add to conclusion :-

The use of un-cemented femoral stem is not recommended in elderly patients when treating neck of femur fracture

Reviewer #4:

This is my initial review of the manuscript that the authors would like to identify the risks factor associated with bipolar cementless stem subsidence, pain, and postoperative functional outcome in geriatrics femoral neck fracture.

The study population is large and uniform, although the follow-up is about 3 ½ years. The authors included only patients age more than 60 years old.

1. The title could be more specific to a cementless hemiarthroplasty.
2. Please provide a citation for the sentences regarding bone healing potential is poorer in the geriatric population comparing with the younger population.
3. A literature review of previous researches about the outcome of cementless hemiarthroplasty in this population should be more. Also, the sentences regarding limited previous data on stem subsidence in hemiarthroplasty required a citation.
4. The authors mentioned the risk of osteoporosis in the introduction but they did not take into account this factor. Could the degrees of bone quality affect the stem subsidence rate? Could the author re-analyze, for example, the Singh index and compare between the groups with high and poor bone density? The authors might choose other index or measurement to demonstrate the quality of the bone.
5. The first part of the results section is difficult to follow. Please prepare the demographics in a table format. The present Table 1 needs to rearrange especially the row that reported the HHS. Was it "champagne" or "champagne flute"?
6. Please give the reason why would you group the patient into 3 age groups.
7. Please define "post-operative pain" at an average of 42 months in the study.
8. The paragraphs described the Tables 1 and 2 repeated the information in the tables. Please summarize the results.
9. Please do not repeat the results in the discussion section.
10. Several sentences in the whole manuscript need a reference. For example, the sentences regarding the cortical thickness and bone volume in Asian populations.

- **Manuscript Decision : accepted**

Your Submission - Decision of Manuscript 2020-304R3 Kotak Masuk x



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Ref.: Ms. No. 2020-304R3

Femoral Stem Subsidence and Its Associated Factors After Hemiarthroplasty in Geriatric Patients
Malaysian Orthopaedic Journal

Dear Dr Komang Agung Irianto,

We are pleased to inform, that your paper has now been accepted for publication in the upcoming issue of the Malaysian Orthopaedic Journal (MOJ). The paper already been sent for copy-editing to ensure that the material is consistent with the house-style of the journal before it is forwarded to another technical staff for type-setting (converting into the final journal format).

When all the papers of the specific issue have been confirmed, we will send the final version (after type-setting, in PDF format) to all the authors for proof-reading. You will be required to check and correct minor mistakes and return the manuscript to the editorial office within a specific time before we proceed with the publication of the stated issue. Please take note that if there is a significant change in the content at this stage, we may have to delay publishing to the subsequent issue of the journal.

Thank you for submitting your interesting and important work to the MOJ.

With kind regards,

Nazri Mohd Yusof, MBBS, MMed Ortho
Manuscript Editor
Malaysian Orthopaedic Journal
<https://www.editorialmanager.com/moj/>



Manuscript 2020-304 to be published in coming issue Kotak Masuk x



Editorial Office MOJ <naramoi@gmail.com>
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Dear authors,

Attached is the PDF version of your manuscript that we intend to publish in the coming issue of the Malaysian Orthopaedic Journal. Please note that:

1. It is the author's responsibility to check the material at the proof stage. Please go through the article carefully and inform us if there is any mistake that requires correction. Kindly send us your listed desired corrections in the message as an attachment (in Word) or you are also encouraged to use annotations on the pdf documents to ease the correction process. Please check carefully before replying, as the inclusion of any subsequent corrections cannot be guaranteed.
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4. We do not allow major alterations or revisions at this stage. If the alteration goes beyond what can be normally accepted, they will be submitted to the Editor for approval, which definitely will delay the publication of your manuscript.

Additional:

- o Please confirm the corresponding author's full address information is correct (at the bottom of the 1st page).
- o Please confirm all the Table and Figures content.
- o Please confirm the acknowledgement section.
- o Please ignore the "Published ahead of print" words, as we will remove them later.

Your proof review is due by **10/03/2021 (Wednesday)**.

Thank you very much for your support of MOJ.

