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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

ESPS manuscript NO: 18150

Title: Current concepts on osteonecrosis of the femoral head

Reviewer's code: 02444711

Reviewer's country: China

Science editor: Fang-Fang Ji

Date sent for review: 2015-04-09 23:11

Date reviewed: 2015-05-14 15:35

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is a review article on osteonecrosis of femoral head. This is a useful review for readers on the aspects of etiology, diagnosis, assessment, non-surgical and surgical management of osteonecrosis. However, as a new review article in the field, I do not see any new information from the previous review articles. One of my observations is that many so-called 'recent' studies mentioned in the article referred to those published in 1981-2008 that are not really 'recent'. Therefore, an update of literature search and reference list is needed. Particularly, I found those new or alternative treatments, e.g. ESWT, stem cells, are quite outdated. Therefore, they need more updated information for the readers. Minor comments include (1) many abbreviations do not have the long form, e.g. SIF, THR, etc. Please specify them clearly; (2) some pictures are distorted. Please adjust their aspect ratio.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

ESPS manuscript NO: 18150

Title: Current concepts on osteonecrosis of the femoral head

Reviewer's code: 00460875

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2015-04-09 23:11

Date reviewed: 2015-04-28 21:36

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The topic is covered in a clear and complete manner. The iconography presented is excellent. References are updated



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

ESPS manuscript NO: 18150

Title: Current concepts on osteonecrosis of the femoral head

Reviewer’s code: 01217232

Reviewer’s country: China

Science editor: Fang-Fang Ji

Date sent for review: 2015-04-09 23:11

Date reviewed: 2015-05-21 09:32

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

In the manuscript entitled “Current Concepts on Osteonecrosis of the Femoral Head”, Dr. Lane et al have summarized the history and recent advances on the etiology, pathogenesis, diagnosis, treatment options, and prognosis of osteonecrosis of the femoral head. Early diagnosis with MRI is emphasized; treatment options including surgical and non-surgical modalities have been provided, and personalized treatment has been suggested according to the stages at which the care is initiated (Fig.8 in this manuscript). In the section of “biological agents”, the authors have provided data on the treatment of ONFH with MSCs or bone marrow aspirates. This reviewer wonders if the advise effects of the delivery of the stem cells should be emphasized, for high concentrations of cells that are delivered via direct femoral arterial perfusion or the catheterization of the medial, lateral, or obturator artery might bring the potential risk of artery occlusion by cell emboli.