

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 35800

Title: Antibiotic Bone Cement's Effect on Infection Rates in Primary and Revision TKAs

Reviewer's code: 03518978

Reviewer's country: United States

Science editor: Li-Jun Cui

Date sent for review: 2017-08-09

Date reviewed: 2017-08-11

Review time: 2 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input 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 checked="" 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This paper summarizes the results of randomized controlled trials/studies (RCTs) pertaining to the field of antibiotic impregnated bone cement (AIBC) vs. non-AIBC groups in both primary and revision total knee arthroplasty (TKA) procedures. It has been found that AIBC did not have a significant effect on primary TKA infection rates, but it did have a significant effect on revision TKA infection rates. This paper summarizes the results of randomized controlled trials/studies (RCTs) pertaining to the field of antibiotic impregnated bone cement (AIBC) vs. non-AIBC groups in both primary and revision total knee arthroplasty (TKA) procedures. It has been found that AIBC did not have a significant effect on primary TKA infection rates, but it did have a significant effect on revision TKA infection rates. Although there are some systematic review papers that evaluate the effect of AIBC on primary TKA, there is no systematic review paper about the effect of AIBC on revised TKA. This paper does present some

useful clinical information about AIBC. The method of this review was appropriate and the conclusions of this study are supported by the results. One suggestion is to please use other sources besides Pubmed to check if there are any more RCT papers that compare the effects of AIBC vs. non-AIBC groups in revision TKA procedures.

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 35800

Title: Antibiotic Bone Cement's Effect on Infection Rates in Primary and Revision TKAs

Reviewer's code: 03070920

Reviewer's country: United States

Science editor: Li-Jun Cui

Date sent for review: 2017-08-16

Date reviewed: 2017-08-21

Review time: 4 Days

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"/> 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Dear Authors, Thanks for your efforts. I would like to suggest some minor changes. Abstract: Aim: Please expand the abbreviation AIBC in first sentence where it is used for the first time. Methods: Exclusion criteria no 2: articles that did not separate total -HIT- (change this word to HIP) Introduction: Third paragraph you cite an article comparing KSS in cases with AIBC and cementless... This is not relevant. Here the functional outcome is more related to presence or absence of cement, not the antibiotic. Discussion: Please note that only article in which revision TKA was performed due to infections included total of 6 patients. Comment on how would the results be influenced if there were more patients...