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Flat C, 23/F., Lucky Plaza,  
315-321 Lockhart Road, Wan Chai, Hong Kong, China

### ESPS Peer-review Report

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

**ESPS Manuscript NO:** 8489

**Title:** Anterior Knee Pain after a Total Knee Arthroplasty, what can cause this pain?

**Reviewer code:** 00505415

**Science editor:** Zhai, Huan-Huan

**Date sent for review:** 2013-12-29 15:07

**Date reviewed:** 2014-01-04 22:37

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 checked="" 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)		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

### COMMENTS TO AUTHORS

The authors have written an interesting editorial. Unfortunately, there seems to be little definitive information on approaches to reduce AKP following TKA. Any more specific recommendations the authors can provide would be helpful for readers. Line 67: Specify why AKP is not expected to originate from the CNS. Line 97: Specify the three stimuli for slow pain. Lines 97, 100: Specify the meaning of A and C fibers. Line 135: internal- external and varies-valves rotation is also possible. Line 146: Please use a more anatomical description than up and down. Lines 221-222: The phrase on these lines does not make any sense. Lines 240-242: Can the authors speculate why mobile bearing TKA's seem to make a difference.

# ESPS Peer-review Report

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

**ESPS Manuscript NO:** 8489

**Title:** Anterior Knee Pain after a Total Knee Arthroplasty, what can cause this pain?

**Reviewer code:** 02702256

**Science editor:** Zhai, Huan-Huan

**Date sent for review:** 2013-12-29 15:07

**Date reviewed:** 2014-02-18 18:55

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 checked="" 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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

The topic of this review is very interesting and of great clinical significance. Anterior knee pain continues to challenge orthopaedic surgeons both in patients with and without total knee replacement. The authors bring out in great detail the theoretical background of mechanisms of pain, which is rarely combined with the clinical aspects. The section on clinical implications reviews the literature on knee arthroplasty with special reference to implant design differences and patellar resurfacing. Both of these topics are longstanding subjects of debate, and the present review is not able to raise any significant new points to this. There clearly is a gap in present knowledge between the theoretical mechanisms of anterior knee pain and the clinical knowledge on its manifestations and treatment. I find the manuscript interesting. The topic is clinically highly important, although there is scarcity of good scientific studies on which treatment recommendations could be based on. I have a few requests for the authors, which in my opinion would further improve the usefulness of the manuscript: 1) The significance of predominantly patellofemoral osteoarthritis as a significant cause of knee symptoms and functional impairment has been recently emphasized in the literature. Can the authors find any studies on which they could discuss the management of this clinical problem? 2) Is it possible for the authors to conclude their review with a proposed algorithm of management of treatment of a patient with significant AKP after a total knee replacement. What are the beneficial investigations? What are the indications for arthroscopy, if any? Who is the ideal candidate for secondary patellar resurfacing? 3) A specific request: The sentence on lines 221-223 is incomprehensible to me. Could you please rewrite.



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### ESPS Peer-review Report

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

**ESPS Manuscript NO:** 8489

**Title:** Anterior Knee Pain after a Total Knee Arthroplasty, what can cause this pain?

**Reviewer code:** 02695012

**Science editor:** Zhai, Huan-Huan

**Date sent for review:** 2013-12-29 15:07

**Date reviewed:** 2014-02-19 17:49

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 language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D (Fair)		BPG Search:	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

### COMMENTS TO AUTHORS

Slightly imperfect use of English language. No real conclusion. A cleared description of ho to reduce the chances of AKP would be useful. A discussion of predictive factors (age, gender, pre op deformity, PS vs CR, resurfacing or not). Medical management of AKP would be relevant - you have discussed he nociceptive pathway but not discussed how this can be altered eg pregabilin etc. A bit more work could turn this from average to very good.



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### ESPS Peer-review Report

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

**ESPS Manuscript NO:** 8489

**Title:** Anterior Knee Pain after a Total Knee Arthroplasty, what can cause this pain?

**Reviewer code:** 02705995

**Science editor:** Zhai, Huan-Huan

**Date sent for review:** 2013-12-29 15:07

**Date reviewed:** 2014-02-26 13:30

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 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
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		<input type="checkbox"/> No records	

### COMMENTS TO AUTHORS

I have read carefully through the manuscript which contains some practically interesting new ideas about the total knee arthroplasty. The paper is concized, well organized and clearly meets the criteria for publication in the World Journal of Orthopedics (with minor language polishing).