



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 51530

**Title:** Intact, Pie-crusting and Repairing Posterior Cruciate Ligament in PCL-Retaining Total Knee Arthroplasty: A 5-Year Follow-up

**Reviewer's code:** 02857964

**Position:** Peer Reviewer

**Academic degree:** FRCS (Gen Surg), MD, PhD

**Professional title:** Associate Professor

**Reviewer's country:** United Kingdom

**Author's country:** China

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2019-10-30 03:21

**Reviewer performed review:** 2019-11-20 14:48

**Review time:** 21 Days and 11 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 checked="" 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 checked="" 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 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**



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Very interesting about the clinical outcomes of posterior cruciate ligament preservation in cruciate-retaining total knee arthroplasty and methods to deal with posterior cruciate ligament during surgery. The advocates of cruciate-retaining total knee arthroplasty consider that retaining the posterior cruciate ligament could maintain femoral rollback during flexion of the knee. The cruciate-retaining total knee arthroplasty could achieve better flexion and muscle strength of the lower limbs. The posterior cruciate ligament is composed of anterolateral and posteromedial bundles. The anterolateral bundle is the main functional part of the posterior cruciate ligament and plays an important role in the stability of knee flexion. The anterolateral bundle of the posterior cruciate ligament should not be sacrificed in cruciate-retaining total knee arthroplasty, although it would be easier to balance the flexion gap by releasing or excising the anterolateral bundle. In this well designed study, the authors evaluated the clinical outcomes of intact posterior cruciate ligament-retaining total knee arthroplasty in osteoarthritis and discuss the technique for preserving the intact posterior cruciate ligament and restoring its function. The methods of the study is in detail. The inclusion criteria of the patients are reasonable. Results are well displayed. A well done study. The manuscript, including the references require a minor editing according to the journal's guideline. Congratulations!

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

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

- The same title
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