



PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 39601

Title: Does ethnicity and education influence preoperative disability and expectations in patients undergoing TKA?

Reviewer’s code: 02691280

Reviewer’s country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-05-17

Date reviewed: 2018-05-23

Review time: 6 Days

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good		<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer’s expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a very well written and organized study, taking a country-specific picture of how minority ethnicity and education could influence TKA outcomes. Literature, reports their effects on both hip and knees in other countries. Unfortunately, only 44.6% of



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7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
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patients responded to the post-operative questionnaire; particularly patients born outside the country were even less (26,2% vs. 46,2% for patients born in the country). Thus no conclusions could be made on post-OP measurements. Nevertheless, some interesting findings are obtained on preoperative data, and my feeling is that, overall, the MS has dignity for publication.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 39601

Title: Does ethnicity and education influence preoperative disability and expectations in patients undergoing TKA?

Reviewer’s code: 00502903

Reviewer’s country: United States

Science editor: Fang-Fang Ji

Date sent for review: 2018-06-06

Date reviewed: 2018-06-09

Review time: 3 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer’s expertise on the topic of the manuscript:
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		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript presents results of an analysis of ethnicity and education associations with preoperative disability, expectations, and postoperative outcomes in patients undergoing total knee amputation at a high volume center. The study is some interest,



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albeit with weaknesses in the data collection and analysis. Methods 1 The numbers of eligible, excluded, enrolled, etc should be moved to Results. 2 It is not clear whether clinical follow-up at 1 year was conducted independently of survey results. 3 Although it is likely that experienced surgeons at a single specialized center performing the same operation would have similar outcomes, for a scientific study assessing surgical outcomes it would be important to confirm this with data. 4 As noted in Introduction, certain medical comorbidities and mental health diseases are associated with clinical outcomes. What comorbidities were assessed for this study? 5 "we registered concurrent post-OP symptoms and self-reported QoL were registered": was this all in the same mailed/mailed survey? Results 6 Could you please explain what test was used for the P values presented? This seems to be a multivariable analysis with adjusted P values, but it is unclear from the Statistics section how it was done. Discussion 7 Regression analysis is mentioned on page 11, but not described in Methods nor Results. Tables 2 & 3 8 Judging by Table 3, the P values seem to be presented as univariate (adjusted multivariate regression). Why are some of the adjusted P values above 1 (BMI, QoL, Level of symptoms before surgery, Difference in level of symptoms, etc)? Figure 9 Please remove the shadow effect. It unnecessarily clutters the view.

INITIAL REVIEW OF THE MANUSCRIPT

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