

## 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                 | (High priority)                            | <input checked="" type="checkbox"/> Anonymous |
| <input checked="" 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

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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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:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## 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 | (High priority)                                    | <input checked="" type="checkbox"/> Anonymous |
| <input checked="" type="checkbox"/> Grade C: Good | polishing   | <input 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 checked="" type="checkbox"/> Minor revision | topic of the manuscript:                      |
| publish   | <input type="checkbox"/> Grade D: Rejection                 | <input type="checkbox"/> Major revision            | <input type="checkbox"/> Advanced             |
|   |   | <input type="checkbox"/> Rejection                 | <input checked="" type="checkbox"/> General   |
|   |   |  | <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**

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

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

### ***BPG Search:***



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