

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 52262

Title: IMPACT OF A SIMULATION-BASED INDUCTION PROGRAMME IN GASTROSCOPY ON TRAINEE OUTCOMES AND LEARNING CURVES

Reviewer's code: 03667297

Position: Editorial Board

Academic degree: MBBS, MD

Professional title: Assistant Professor

Reviewer's country: India

Author's country: United Kingdom

Manuscript submission date: 2019-10-24

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-10-30 16:24

Reviewer performed review: 2019-10-30 16:44

Review time: 1 Hour

| 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 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 |



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SPECIFIC COMMENTS TO AUTHORS

A well written manuscript.

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 Gastrointestinal Endoscopy

Manuscript NO: 52262

Title: IMPACT OF A SIMULATION-BASED INDUCTION PROGRAMME IN GASTROSCOPY ON TRAINEE OUTCOMES AND LEARNING CURVES

Reviewer's code: 01206399

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's country: Brazil

Author's country: United Kingdom

Manuscript submission date: 2019-10-24

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-11-04 20:51

Reviewer performed review: 2019-11-04 20:55

Review time: 1 Hour

| 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: |
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| | | <input type="checkbox"/> Rejection | <input checked="" type="checkbox"/> General |
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SPECIFIC COMMENTS TO AUTHORS

It is a well written paper that provides relevant information.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 52262

Title: IMPACT OF A SIMULATION-BASED INDUCTION PROGRAMME IN GASTROSCOPY ON TRAINEE OUTCOMES AND LEARNING CURVES

Reviewer's code: 03666697

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor

Reviewer's country: Taiwan

Author's country: United Kingdom

Manuscript submission date: 2019-10-24

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-10-29 14:31

Reviewer performed review: 2019-11-05 14:05

Review time: 6 Days and 23 Hours

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
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SPECIFIC COMMENTS TO AUTHORS

Despite the small number of cases, this study still has an important contribution to simulators in endoscopic learning.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 52262

Title: IMPACT OF A SIMULATION-BASED INDUCTION PROGRAMME IN GASTROSCOPY ON TRAINEE OUTCOMES AND LEARNING CURVES

Reviewer's code: 03251421

Position: Editor-in-Chief

Academic degree: MD

Professional title: Professor

Reviewer's country: China

Author's country: United Kingdom

Manuscript submission date: 2019-10-24

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-10-29 03:10

Reviewer performed review: 2019-11-05 16:40

Review time: 7 Days and 13 Hours

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
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| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

This article tried to evaluate the long-term outcome of SBT-based SPRINT course. In the end, the authors found that the course may contribute to a shorter period to achieve JAG certification, with more unsedated procedures. I have several concerns regarding this study. 1. Formatting: Too many words for the statistical analysis part. Many of the methodological descriptions should be documented in trial design, intervention or outcome part. 2. Methods: (a) Although this is a pilot study, proper sample size should be calculated to explain some negative results. But the author neither described the calculation process, nor explained why they did not do so. (b) One of the endpoint event was achieving gastroscopy certification. I am curious about the detailed criteria of the certification. Why did not the author try to use these criteria as endpoints? 3. Results: (a) The results showed that the baseline characteristics of both groups were comparable, regarding number of procedures. 60% of the trainees were naïve to endoscopic procedure, which, in other words, means that 6 trainees in case group and 10 trainees in control group had experiences. However, the average number of procedures were 10 and 3 in case and control groups, respectively. Thus, it gives me an impression, that non-naïve trainees in case group had a mean of 25 procedures and that those trainees in control group had a mean of 7 procedures. Could this possibly contribute to the earlier acquisition of certification in case group? Perhaps a subgroup analysis might be helpful. (b) With the doubling of procedures, the trainees had similar degree of improvements in D2 intubation. Did that mean we can obtain elevation of experience through actual practice instead of SBT? (c) Although the Kaplan-Meier curves of 200th procedure accomplishment were comparable, the achievement rate from the 6th month to the 10th month seemed higher in case group. Could there be some reasons for this? 4. Discussion: The authors stated that several limitations existed, like inadequate sample size,



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difference of training intensity among different regions and selection bias. So, with these limitations, could the final result be credible? We all think that SBT prior to actual practice is helpful. But with such concerns illustrated above, the long-term outcome of this course may be questioned. Certain explanations should be addressed to make the result more credible.

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