

## PEER-REVIEW REPORT

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

**Manuscript NO:** 42303

**Title:** A Comparative Study on Operative Trauma Between Microwave Ablation and Surgical Treatment for Papillary Thyroid Microcarcinoma

**Reviewer's code:** 02856303

**Reviewer's country:** United States

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2018-09-27

**Date reviewed:** 2018-10-15

**Review time:** 18 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input 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 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

Very interesting study about the effect of ultrasound-guided percutaneous microwave ablation and surgical resection in the treatment of PTMC and its effect on trauma. In this study, the authors enrolled eighty-seven patients with PTMC as subjects. The operation



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time, intraoperative blood loss, length of hospital stay, serum CRP, IL-6, TNF- $\alpha$ , thyroid-related hormonal changes and complications 7 days and 30 days after surgery were observed. The interaction showed that there were interactions between the FT3, FT4, and TSH at 7d and 30d after operation and the treatment methods. And the authors found that there was no significant difference in the complications between the two groups. Microwave ablation for papillary microcarcinoma of the thyroid gland can effectively shorten the length of hospital stay and improve the quality of life of patients. The study is well designed and the manuscript is well written. Some minor language polishing should be corrected. The references list should be updated and discussed with the results.

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

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

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [ Y ] No

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

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [ Y ] No

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

**Manuscript NO:** 42303

**Title:** A Comparative Study on Operative Trauma Between Microwave Ablation and Surgical Treatment for Papillary Thyroid Microcarcinoma

**Reviewer's code:** 02854851

**Reviewer's country:** Japan

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2018-09-27

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**Review time:** 19 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input 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 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

Very interesting study. A language editing is required. No other comments.

### INITIAL REVIEW OF THE MANUSCRIPT



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- ☐ No

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

**Manuscript NO:** 42303

**Title:** A Comparative Study on Operative Trauma Between Microwave Ablation and Surgical Treatment for Papillary Thyroid Microcarcinoma

**Reviewer's code:** 02856261

**Reviewer's country:** South Korea

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2018-09-27

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**Review time:** 19 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 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

At present, thyroidectomy is still the standard treatment method. However, the patient's physical and psychological trauma caused by surgery is extremely high. In recent years, microwave ablation has also been reported for some patients with PTMC and achieved



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good results. However, the current clinical value of ultrasound-guided microwave ablation for PTMC has not yet reached a consensus and it cannot be accurately judged whether this new treatment can replace traditional surgery. In this study, the authors provided ultrasound-guided percutaneous microwave ablation of PTMC versus surgical resection and its impact on body trauma. The study is designed well, some minor revisions are required. 1 Some minor language polishing should be corrected. 2 In the Methods section, the January 2012 to October 2007 is confused. Please check, should be October 2017? 3 Are there any data of follow up?

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