

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 18185

Title: Locoregional treatment for hepatocellular carcinoma: The best is yet to come

Reviewer's code: 00241247

Reviewer's country: United States

Science editor: Fang-Fang Ji

Date sent for review: 2015-04-11 23:51

Date reviewed: 2015-04-17 00:57

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

Thank you for allowing me to review this manuscript. I congratulate the authors on a concise, well-written, and easy to read review. 1. It would be very useful for the readers if you can insert a table comparing the energy based therapies, specifically radiofrequency, irreversible electroporation, and microwave. Specific comparators to have for this would be collateral damage, ease of dose titration, cost, and duration of therapy. 2. What can you tell us about tissue specificity for each of these energy sources? Specifically, since microwave and radiofrequency are primarily thermal methods ablation whereas irreversible electroporation uses a different non-thermal mechanism, please outline for us the tissue specificity both pathology (tumor) versus normal anatomic structures, such as nerves, arteries, vessels, and hepatic architecture. 3. Please comment and provide some guideline as to when and where therapies may be used in combination because of complementary effects. 4. Please reference basic cellular or tissue studies to explain the mechanism of action of irreversible electroporation wherever possible. 5. Can you provide any information on specificity between tumor types and the type of energy delivery? 6. Please comment on methods to access the site for energy delivery – intravascular, intravenous, transhepatic,



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intraperitoneal, or laparoscopic, and please discuss whether one energy source has a preferential route or vantage point for delivery. Your discussion on focused ultrasound was interesting. Please discuss invasive, as well as non-invasive routes for ultrasound delivery that may be available in the future.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 18185

Title: Locoregional treatment for hepatocellular carcinoma: The best is yet to come

Reviewer's code: 02353682

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2015-04-11 23:51

Date reviewed: 2015-06-05 18:15

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

I would suggest minor revisions: 1) Authors should quote other RFA technological development such as bipolar RF needles and use of multiple RF needles, promising approaches for large tumors. 2) In the LITT section a large italian experience dealing with laser ablation of HCC is not mentioned (Pacella et al Journal of Oncology 2008)

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 18185

Title: Locoregional treatment for hepatocellular carcinoma: The best is yet to come

Reviewer's code: 00913069

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2015-04-11 23:51

Date reviewed: 2015-06-08 18:15

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

The paper does not add something new to the actual knowledge in this field. Moreover, ethanol percutaneous injection has not sufficient consideration