

PEER-REVIEW REPORT

Name of journal: *World Journal of Methodology*

Manuscript NO: 72756

Title: Lutetium in prostate cancer: reconstruction of patient-level data from published trials and generation of a multi-trial Kaplan-Meier curve

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05574118

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor, Director

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

Manuscript submission date: 2021-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-05 00:08

Reviewer performed review: 2021-11-05 00:39

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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**Peer-reviewer
statements**

Peer-Review: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

Authors employed a new technique (Shiny method) to pool the survival data of these two trials and evaluate to what extent the lutetium cohorts differed from one another. I think this is a valuable job.

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Reviewer's code: 02856239

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: Italy

Manuscript submission date: 2021-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-23 10:37

Reviewer performed review: 2021-11-23 13:08

Review time: 2 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

This is a generally well-written article on lutetium and prostate cancer. This topic is of great interest. The author can further make this paper better; please see below – just a few points for improvements. The authors discuss how to resolve discrepant trial findings but ignore influences of other factors. There are many environmental and lifestyle factors that influence immune cells, the microbiota, tumor development and response to therapy. Those differences may explain the observed discrepancies. The authors should discuss those points. Many factors influence response to therapy in each patient differentially. Along with these points, research on environment factors, microbiome, immunity, and molecular tissue biomarkers should be pursued. The authors should discuss molecular pathological epidemiology, which can integrate those factors, molecular pathologies, and clinical outcomes in cancer. Molecular pathological epidemiology is discussed in Annu Rev Pathol 2019, Hum Genet 2021, etc. Molecular pathological epidemiology research can be a promising direction and improve prediction of response to therapy such as lutetium-based treatment.