



PTCOG North America Seventh Annual Conference

Abstract Evaluation Guidelines for Reviewers

Abstract evaluation is to be completed via the online peer review system. All abstracts must be evaluated electronically no later than:

Evaluation Deadline: 24 June 2021

Guidelines:

1. After logging in to the Portal use the “Enter Abstract Review” button to access the review platform
2. Select a topic from the drop-down list (1).
3. Select an abstract to review from the left column (2). Contents will open in the “Abstract Details” tab (3).
4. Submit your score in the “Score” tab (4) and click on the “Save” button to save it/ “Clear” button to delete it (5). **Use the Conflict of interest checkbox if you cannot review the abstract.**
5. Once the score is saved, it will be displayed in the topic overview column (6)
6. You can sort and filter the abstracts (7), print all abstracts from the currently open topic (8) or just the abstract currently being viewed (9).
7. Two progress bars show how many abstracts have been scored within the particular topic (10) and overall (11).

Select a topic:

1 Topic: Absolute and relative dosimetry

11 Total progress: 7 / 8 scored

10 Selected topic: Dosimetry measurements for FLASH irradiation with 280 MeV/u carbon ion

9 Progress: 6/6

7 Sort by: Abstract Number

Search: _____ in Abstract

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PTC59-2204

Dosimetry measurements for FLASH irradiation with 280 MeV/u carbon ion beams

8

3 Abstract info

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Presentation Preference: Oral

Abstract Text:
In order to prepare radiobiological experiments with very high dose rates, we performed different dosimetry tests with a 280 MeV/u carbon beam at the Heidelberg Ion-Beam Therapy Center (HIT) and at GSI Darmstadt.

Recent studies showed that a beneficial (FLASH) effect in the normal tissue is only expected at dose rates exceeding 40 Gy/s and doses larger than 8 Gy. Therefore, a particle rate of at least 5x10⁹ carbon ions/s is needed even for small tumour volumes. Especially for a scanned ion beam, this leads to an extremely high local ionization

Score

I have a conflict of interest and cannot review this abstract.

Score

1. Reject

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4. Marginal for Oral

5. Oral

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4

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**PTCOG North America
Seventh Annual Conference
September 18-20, 2021
Seattle, USA**

Should you need any assistance please feel free to contact the [PTCOG-NA Scientific Program Department](#) via e-mail.

Thank you for your time spent with the evaluation, we highly appreciate all your efforts and hard work.

Kind regards,

PTCOG-NA Scientific Program Department