Author's response to reviews

Title: WEE1 inhibition by PD0166285 sensitizes osteosarcoma cells to irradiation-induced cell death

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Author's response to reviews: see over
Dear Sir, Madam,

Please find enclosed the manuscript entitled “WEE1 inhibition by PD0166285 sensitizes osteosarcoma cells to irradiation-induced cell death” that we are submitting for your consideration.

In this brief report we present promising in vitro work that supports the use of radiotherapy in combination with a radiosensitizing drug in osteosarcoma. We point out that WEE1 inhibition leads to abrogation of the DNA-damage induced G2 checkpoint and thereby pushing the cells into mitotic catastrophe. As WEE1 kinase is highly expressed in osteosarcoma, it is suited as a therapeutic target. Future in vivo studies shall be performed to confirm the anti-tumour activity of this new combination therapy for osteosarcoma.

We look forward to hearing from you regarding your opinion of the suitability of this short communication for publication in Molecular Cancer.

In advance, I thank you for reviewing this piece,

Yours sincerely, also on behalf of professor Kaspers,

Jantine Posthuma de Boer