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RADIATION

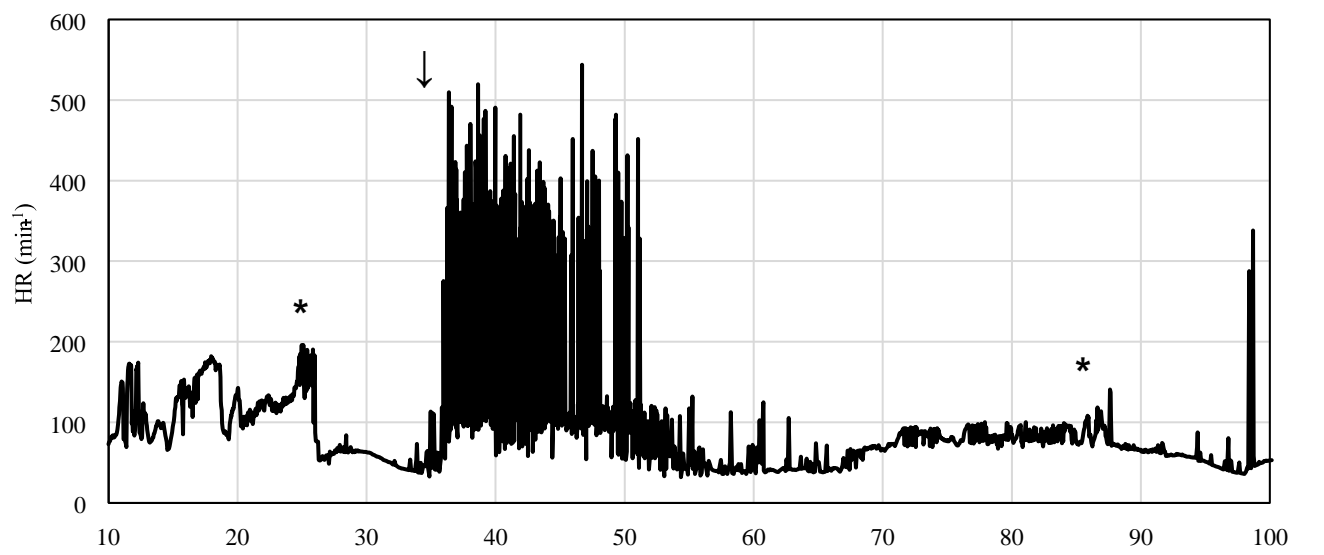
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**Supporting information for article:**

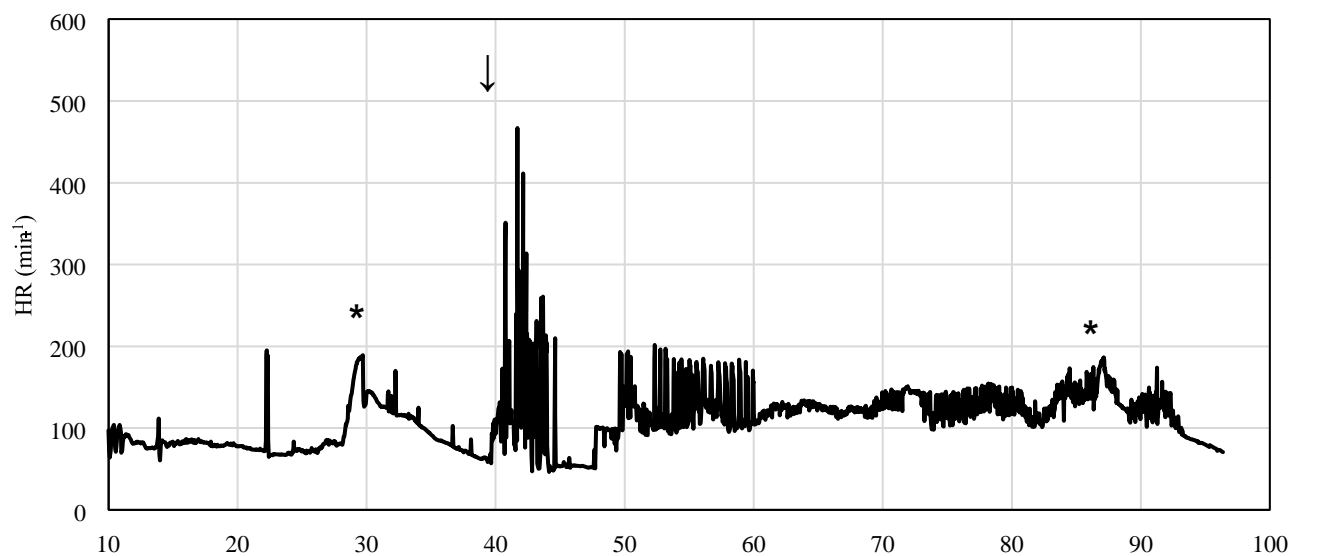
**Modification of the Langendorff system of the isolated beating heart for experimental radiotherapy at a synchrotron: 4000 Gy in a heart beat**

**Elisabeth Schültke, Michael Lerch, Timo Kirschstein, Falko Lange, Katrin Porath, Stefan Fiedler, Jeremy Davis, Jason Paino, Elette Engels, Micah Barnes, Mitzi Klein, Christopher Hall, Daniel Häusermann and Guido Hildebrandt**

## 4000 Gy

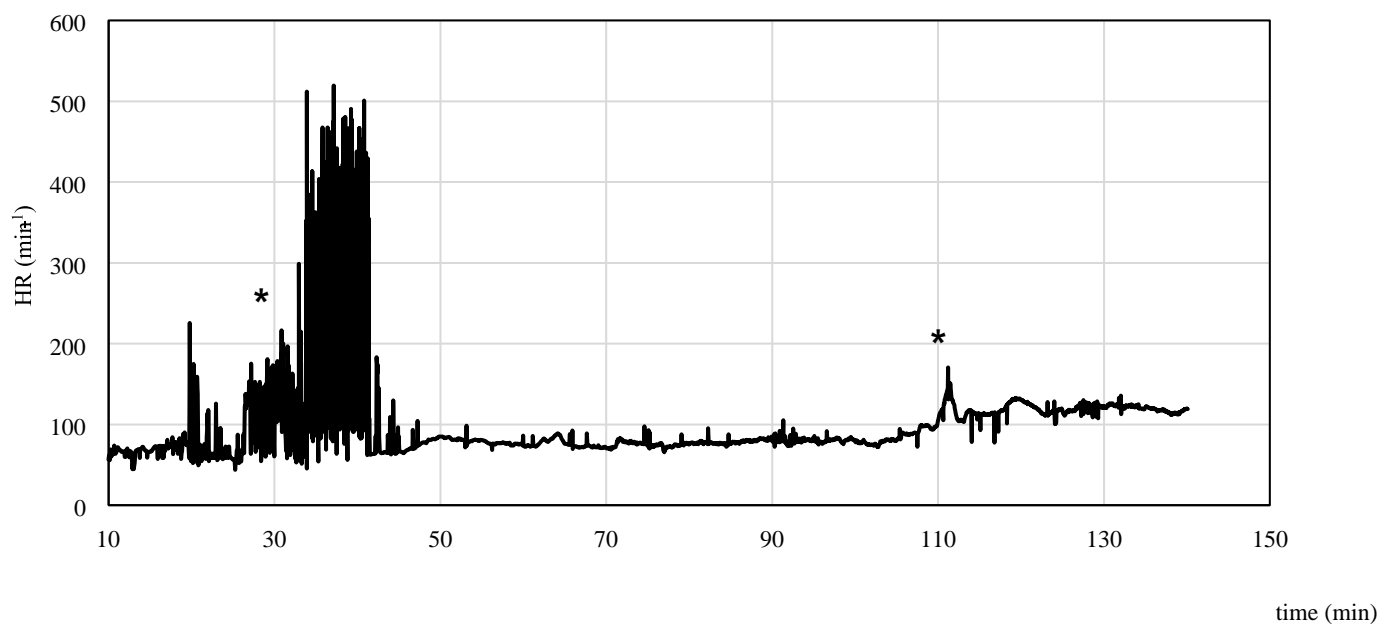
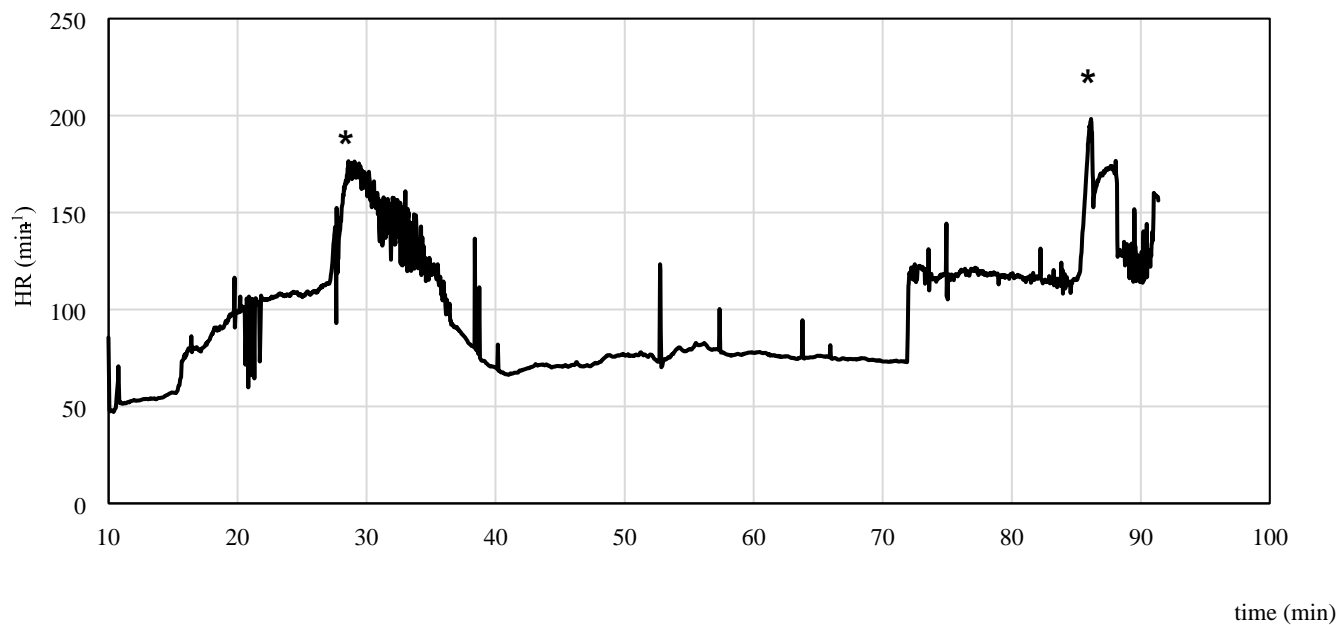


time (min)



time (min)

↓ : irradiation ; \* : NE stimulation

**non-irradiated controls**

**Figure S1** The heart rates over the entire observation period are shown for both hearts irradiated with 4000 Gy and both non-irradiated hearts. The arrow indicates the time of irradiation in the former two, the asterisk indicates the NE challenge in all preparations.