

van Schinkel LD, Willemse PM, van der Meer RW, Burggraaf J, van Elderen SG, Smit JW, De Roos A, Osanto S, Lamb HJ (2013) Chemotherapy for testicular cancer induces acute alterations in diastolic heart function. *Br J Cancer* **109**: 891–896.



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# BJC

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## Reply: Comment on 'Chemotherapy for testicular cancer induces acute alterations in diastolic heart function'

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Sir,

We thank you for the response and valuable comments (Dieckmann, 2014). We appreciate your contribution by pointing out that, besides experimental data (Nuver *et al*, 2010), there is growing clinical evidence of acute cardiovascular toxicity of chemotherapy in TC patients, which is most likely based on vascular wall damage. Previous studies have suggested not only chronic atherosclerotic effects of chemotherapy for TC, but also more acute effects of thrombo-embolic origin (Dieckmann *et al*, 2010). The increased von Willebrand factor found in patients directly after chemotherapy contributes to the idea of acute vascular toxicity of chemotherapy (Dieckmann *et al*, 2011). It is indeed important for clinicians treating patients with TC, to appreciate the acute as well as the more chronic vascular effects of cisplatin-based chemotherapy.

Dieckmann KP, Gerl A, Witt J, Hartmann JT (2010) Myocardial infarction and other major vascular events during chemotherapy for testicular cancer. *Ann Oncol*.

Dieckmann KP, Struss WJ, Budde U (2011) Evidence for acute vascular toxicity of cisplatin-based chemotherapy in patients with germ cell tumour. *Anticancer Res* **31**(12): 4501–4505.

Nuver J, de Haas EC, Van ZM, Gietema JA, Meijer C (2010) Vascular damage in testicular cancer patients: a study on endothelial activation by bleomycin and cisplatin *in vitro*. *Oncol Rep* **23**(1): 247–253.



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