

This is a repository copy of European Society for Radiotherapy and Oncology and European Organisation for Research and Treatment of Cancer consensus on reirradiation: definition, reporting, and clinical decision making.

White Rose Research Online URL for this paper: https://eprints.whiterose.ac.uk/192998/

Version: Accepted Version

### Article:

Andratschke, N, Willmann, J, Appelt, AL orcid.org/0000-0003-2792-9218 et al. (16 more authors) (2022) European Society for Radiotherapy and Oncology and European Organisation for Research and Treatment of Cancer consensus on re-irradiation: definition, reporting, and clinical decision making. The Lancet Oncology, 23 (10). e469-e478. ISSN 1470-2045

https://doi.org/10.1016/s1470-2045(22)00447-8

© 2022 Elsevier Ltd. All rights reserved. This manuscript version is made available under the CC-BY-NC-ND 4.0 license http://creativecommons.org/licenses/by-nc-nd/4.0/.

## Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

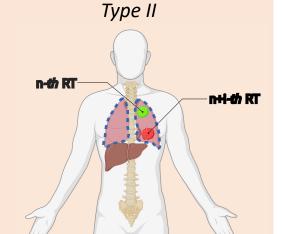
### **Takedown**

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



# Re-irradiation Type I n-th RT

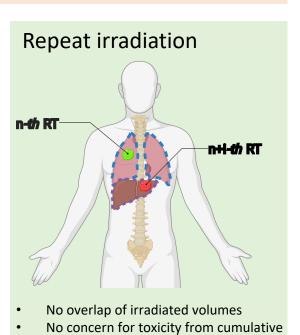
- Overlap of irradiated volumes
- With or without concern for toxicity from cumulative doses



- No overlap of irradiated volumes
- Concern for toxicity from cumulative doses

## Repeat organ irradiation n-th RT

- No overlap of irradiated volumes
- No concern for toxicity from cumulative doses
- Target volumes in the same organ



Target volumes in different organs

doses