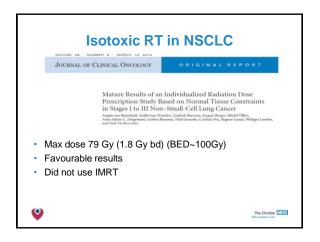
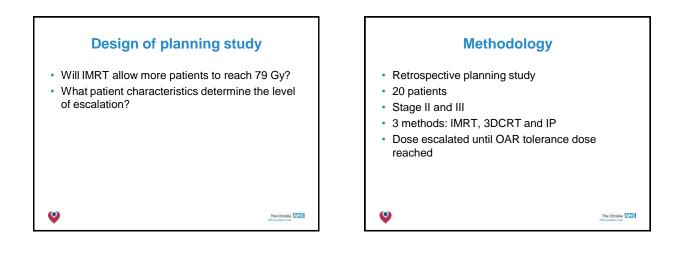


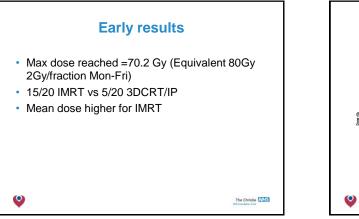
• E.g. 1 person recieves 66 Gy, another 79 Gy due to the mean lung dose

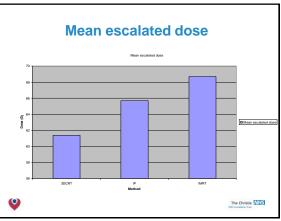
The Christie

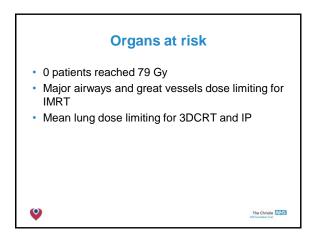
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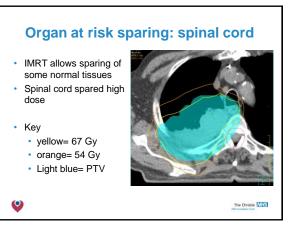












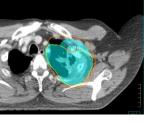
Organ at risk sparing: brachial plexus • Higher doses reached with IMRT Small volume of overlap . essential All of the PTV treated to 59 Gy Most of PTV reaching 67 . Gy



0

- yellow = 67 Gy
- orange = 59 Gy
- light blue = PTV

red = brachial plexus

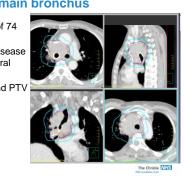


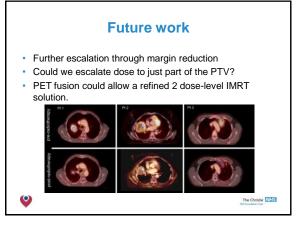
The Christie

Organ at risk sparing: Great vessels and main bronchus

- Maximum dose of 74 . Gy
- Stage II and III disease large and/or central
- Overlap region between OAR and PTV too great

0





Conclusion Distinct advantage with IMRT · Further analysis of patient characteristics Clinical pilot study • Future PET fusion/dose escalation trial with the European ARTFORCE Consortium (Max dose ~130Gy) The Christie 0