

Contouring and treatment planning for Head and Neck DLBCL

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Case

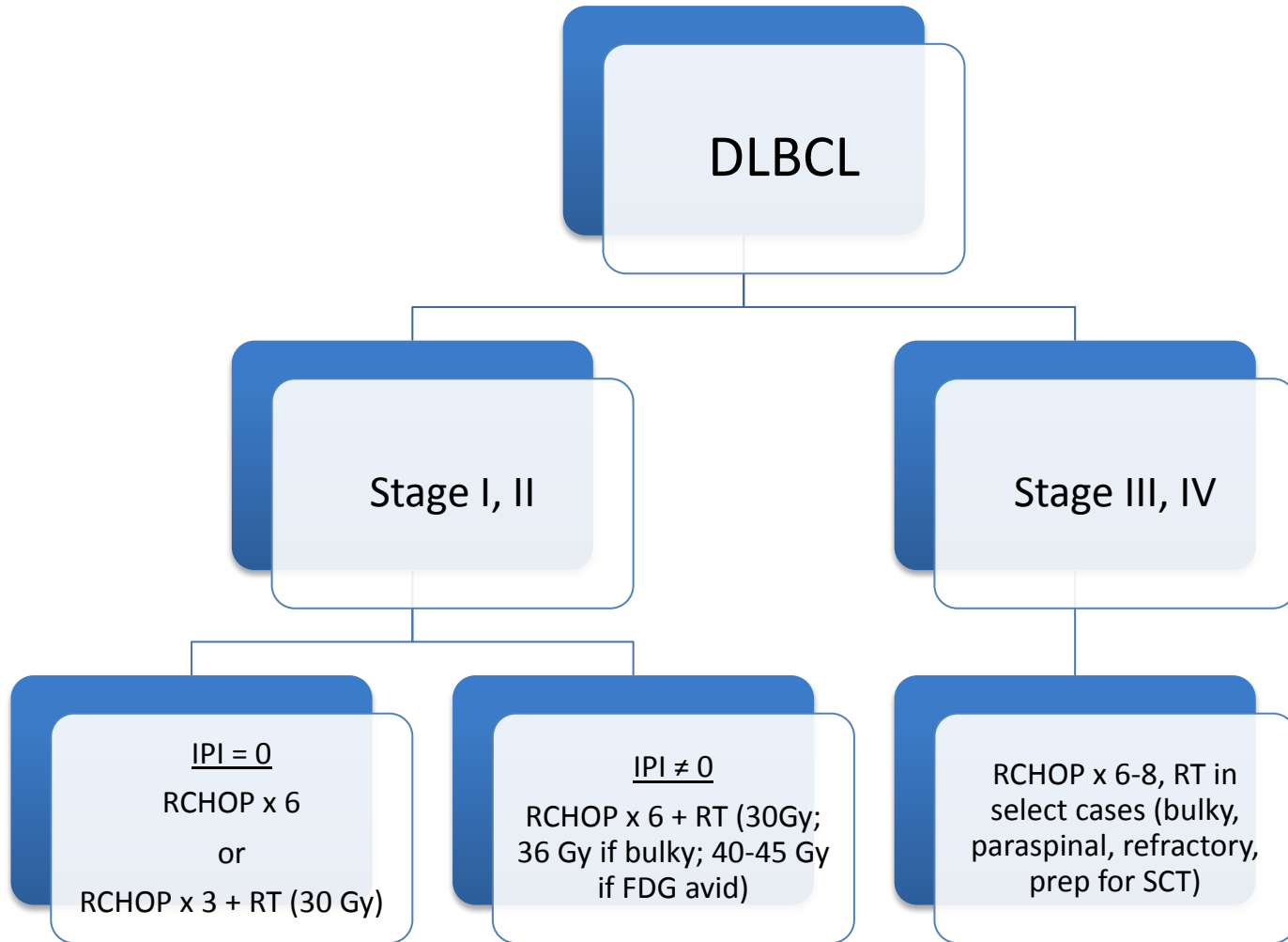
- 60 yo male
- Right cervical LAD
- No B symptoms
- Good PS, normal LDH
- Bx: DLBCL
- Stage IA
- IPI = 0
- Tx recs?



Case

- Treatment recommendations for non-bulky, stage I or II DLBLC, without adverse risk factors:
 - **R-CHOP x 3 cycles + RT**
 - Or
 - R-CHOP x 6 cycles +/- RT

Treatment Summary: DLBCL



RT Doses in DLBCL

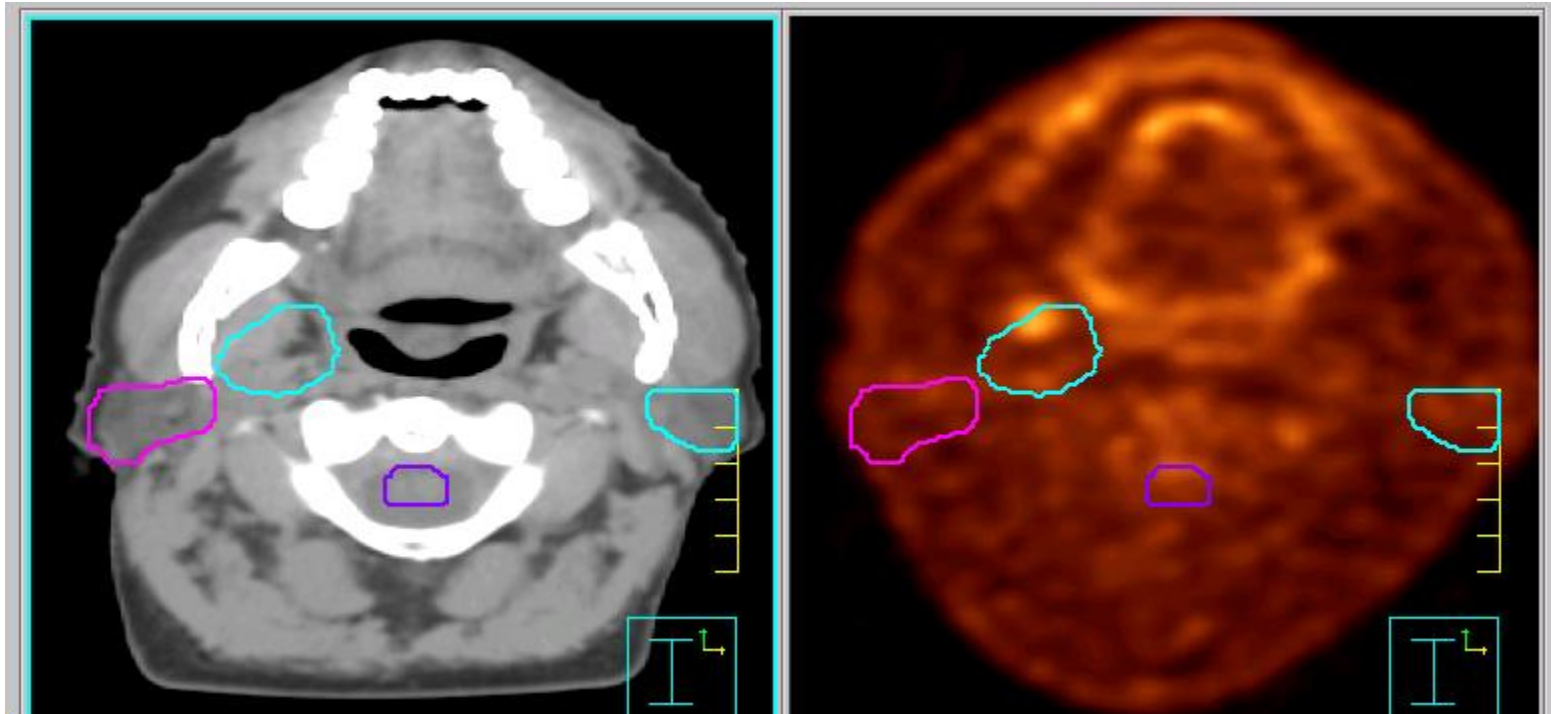
- PET complete response: 30 Gy (NCCN 30-36 Gy)
- PET partial response: boost to 40 Gy (NCCN 40-50 Gy)
- Chemo refractory or cannot receive chemo: 45-55 Gy or perhaps 1.3-1.4 Gy BID to 36-40 Gy

Phan et al. JCO 2010

Contours and Radiation Plan

3060 cGy in 17 fx using IMRT to involved sites

Pretreatment PET

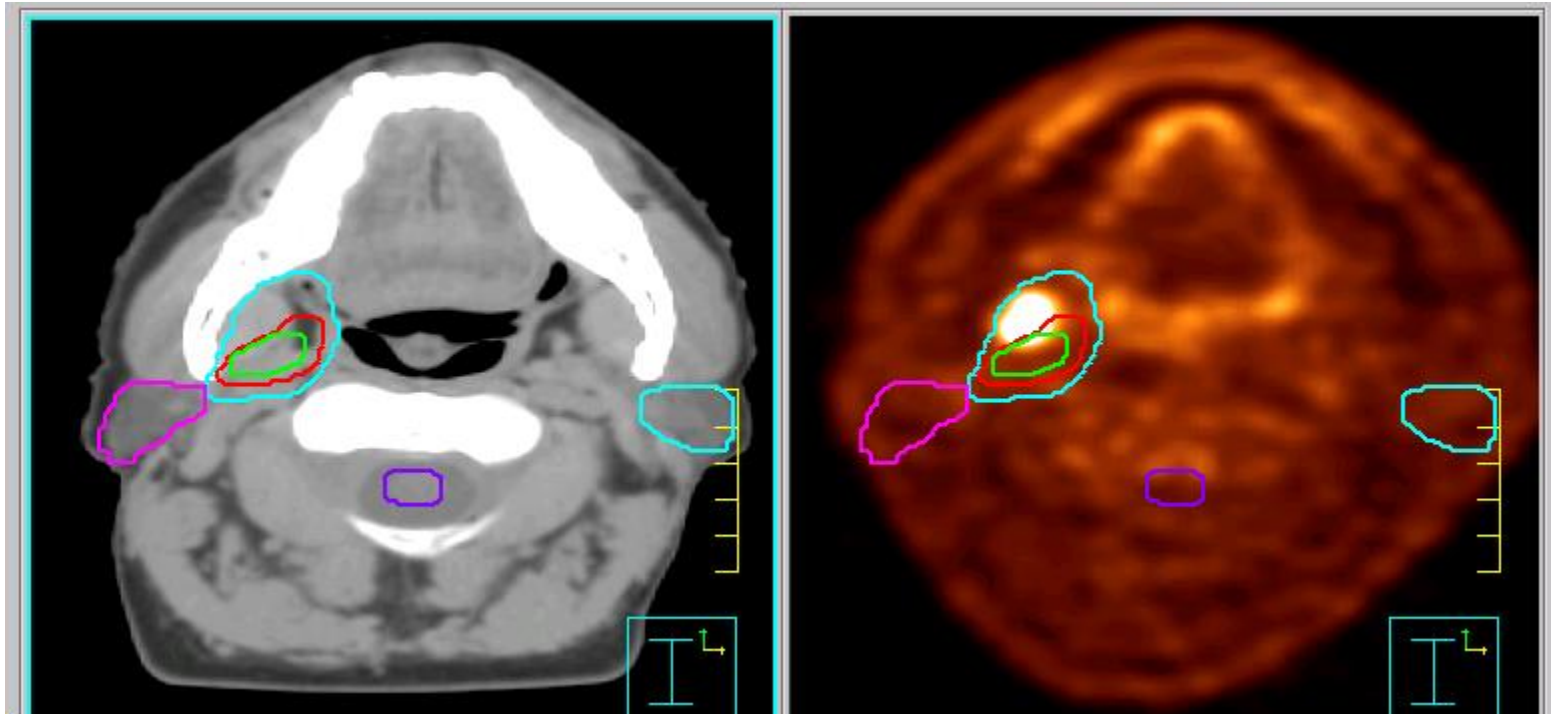


GTV

CTV

PTV

Pretreatment PET

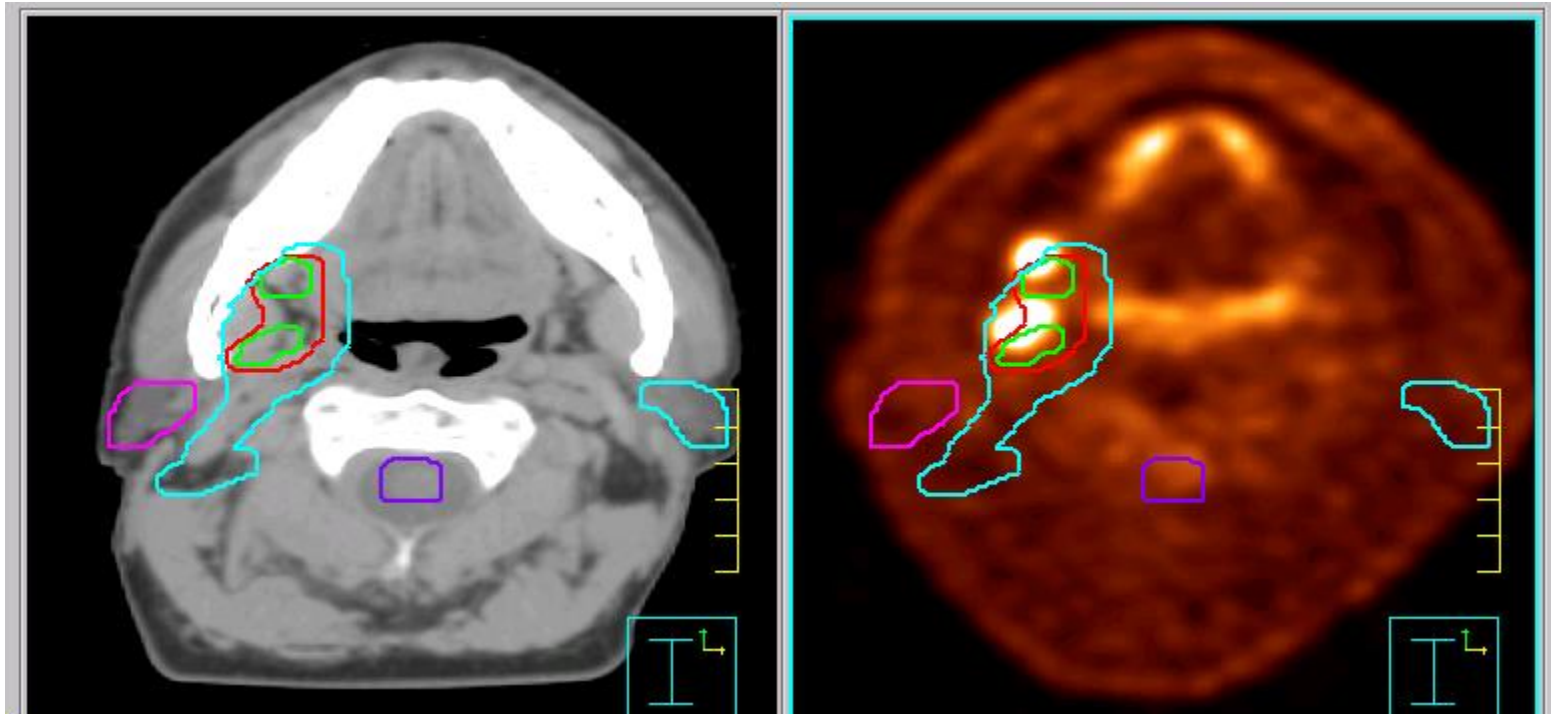


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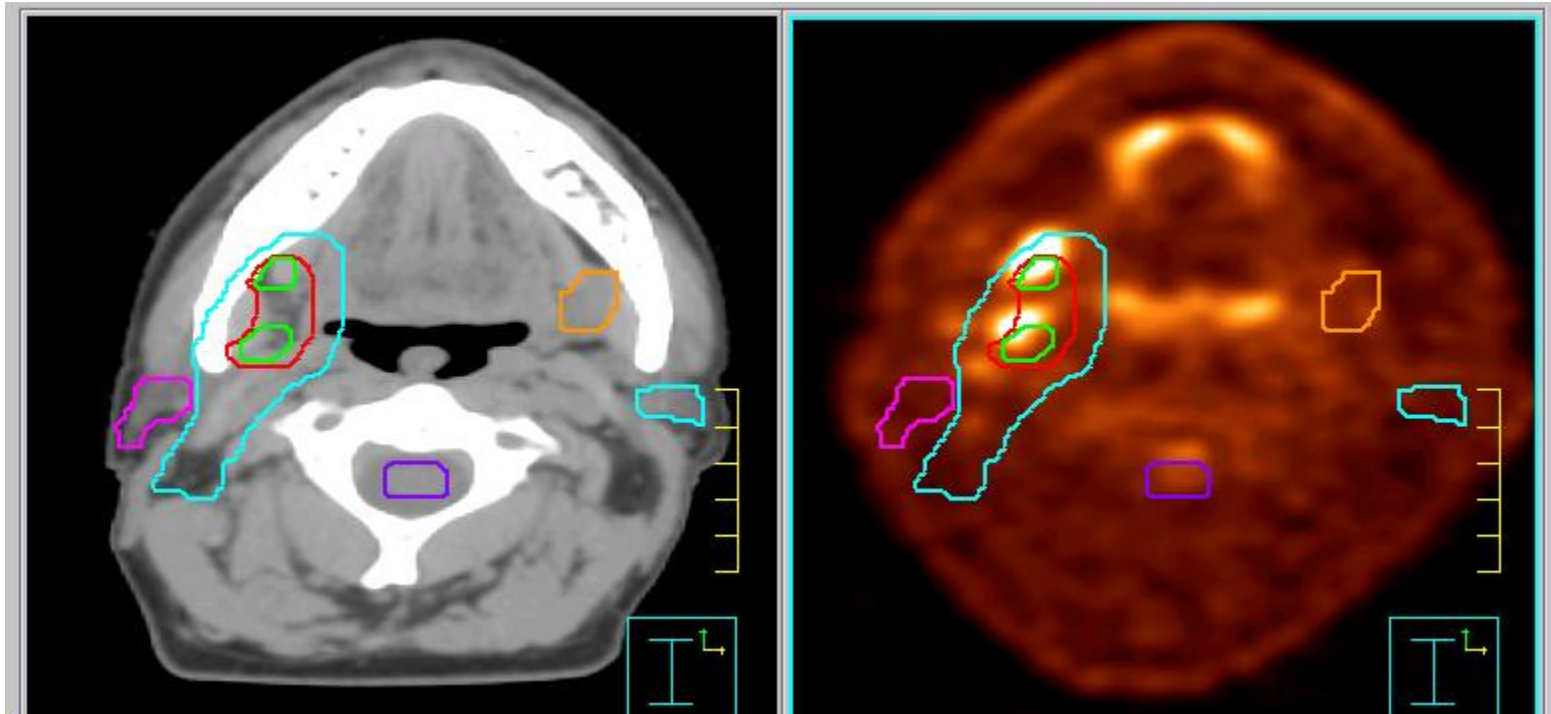


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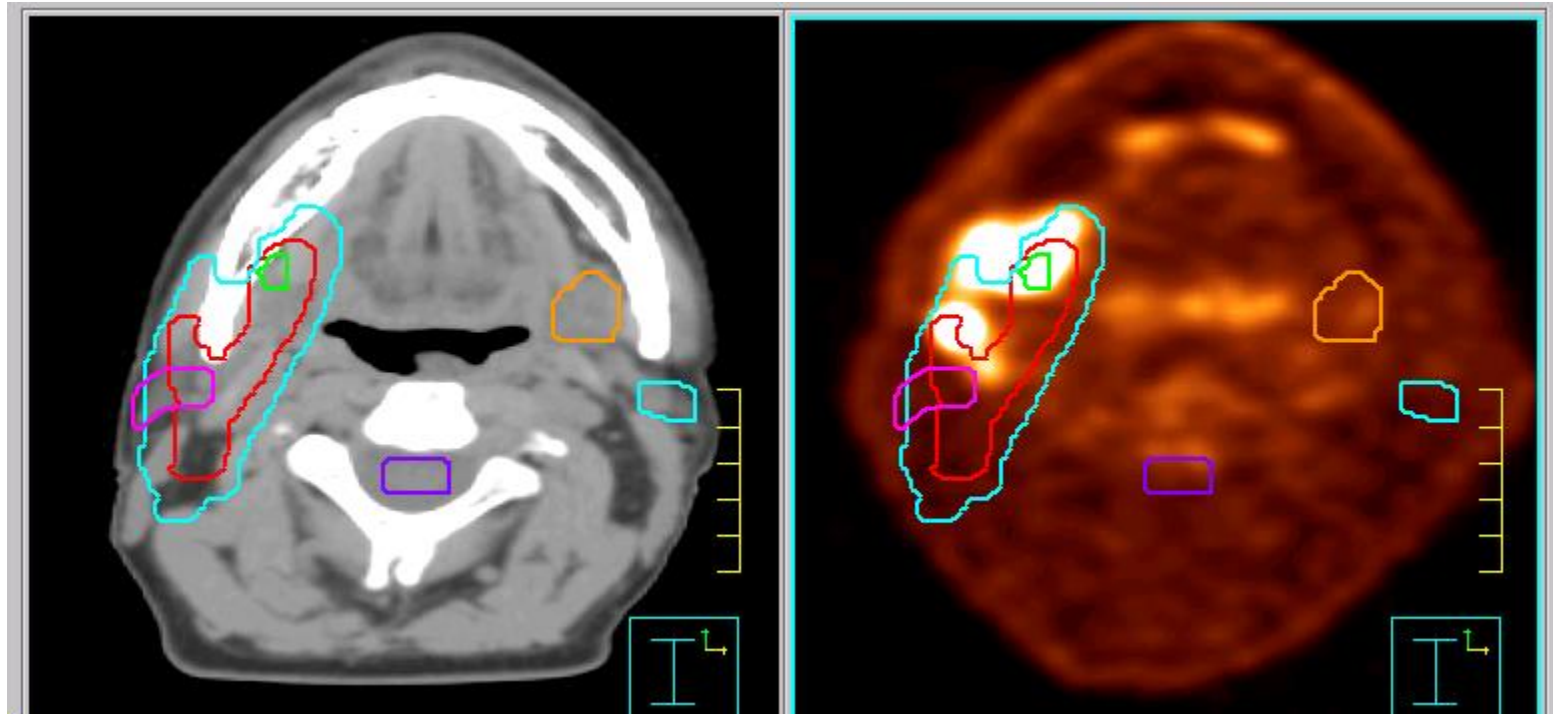


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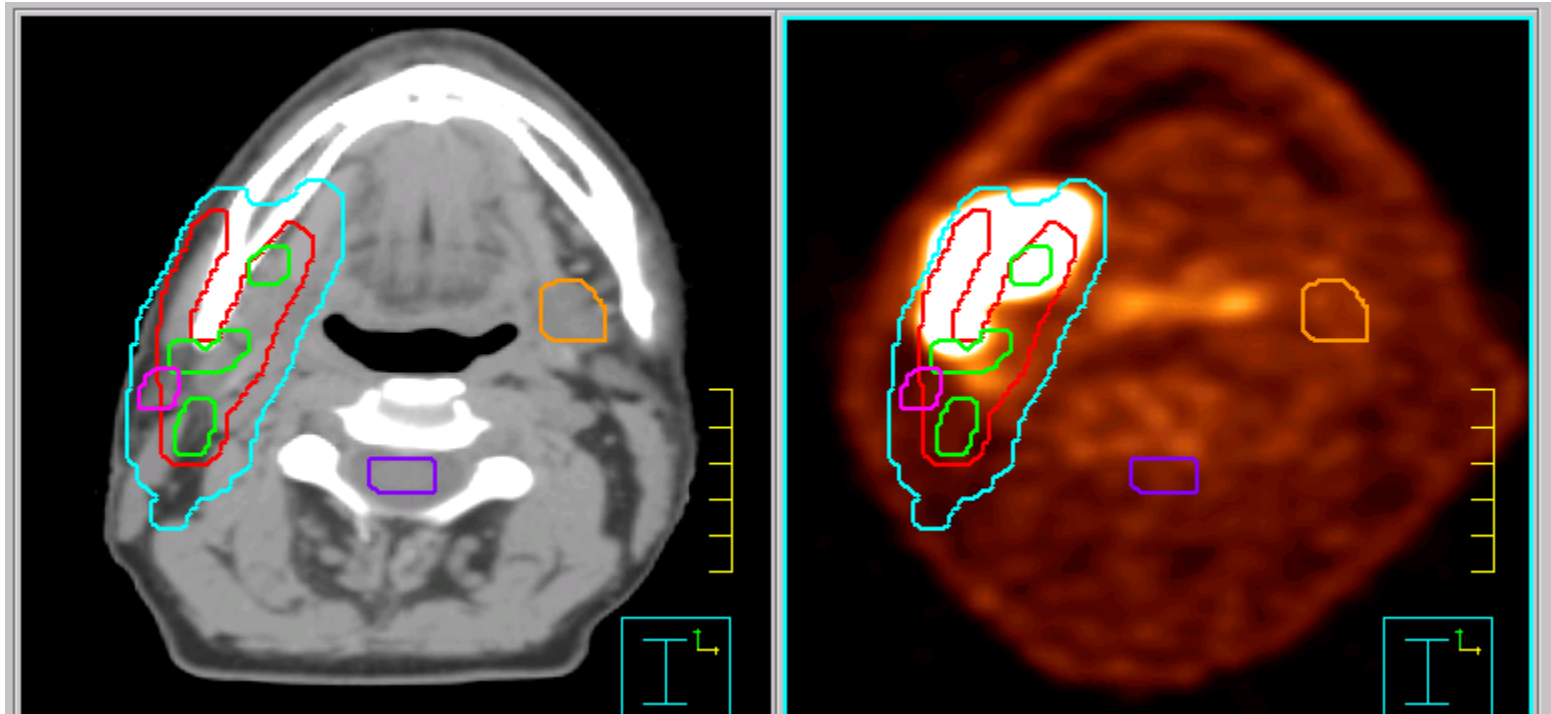


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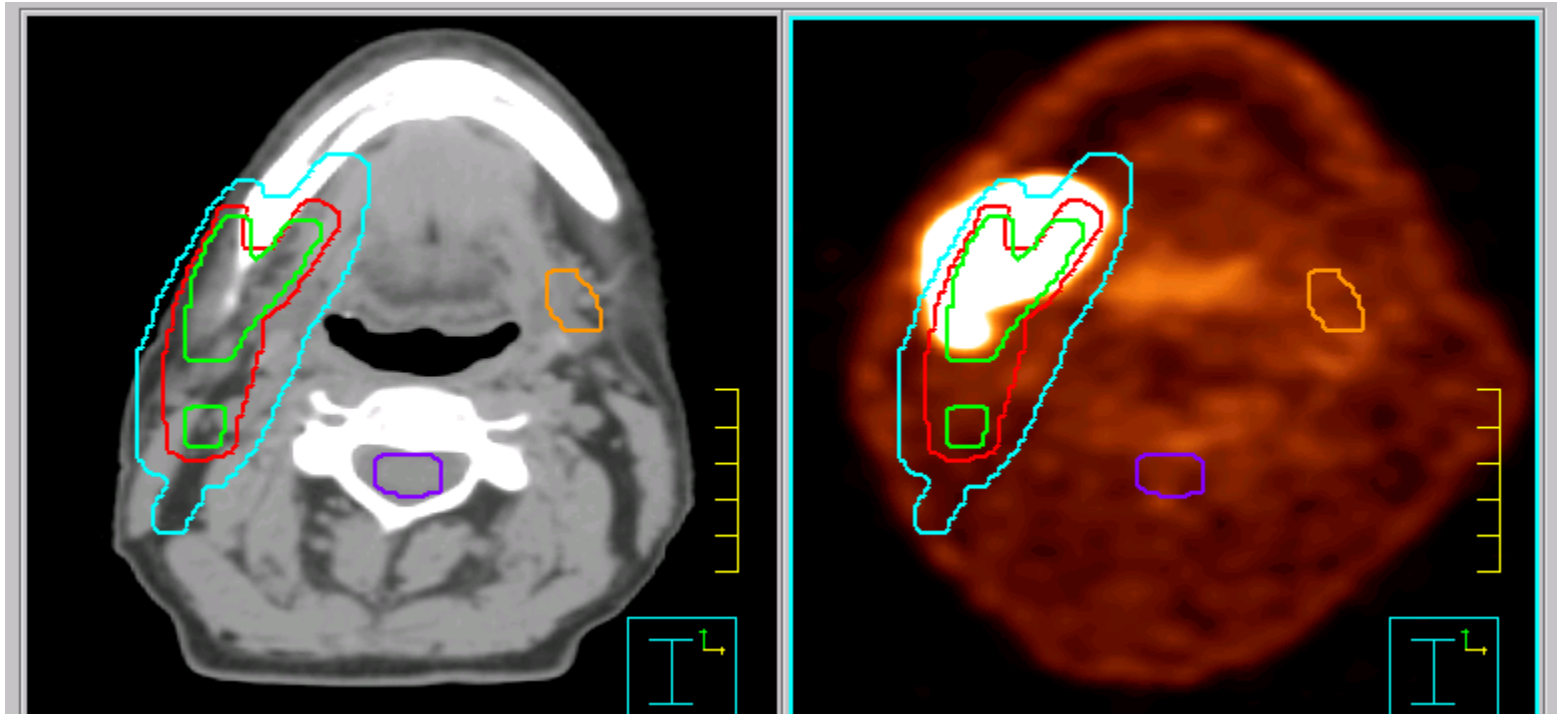


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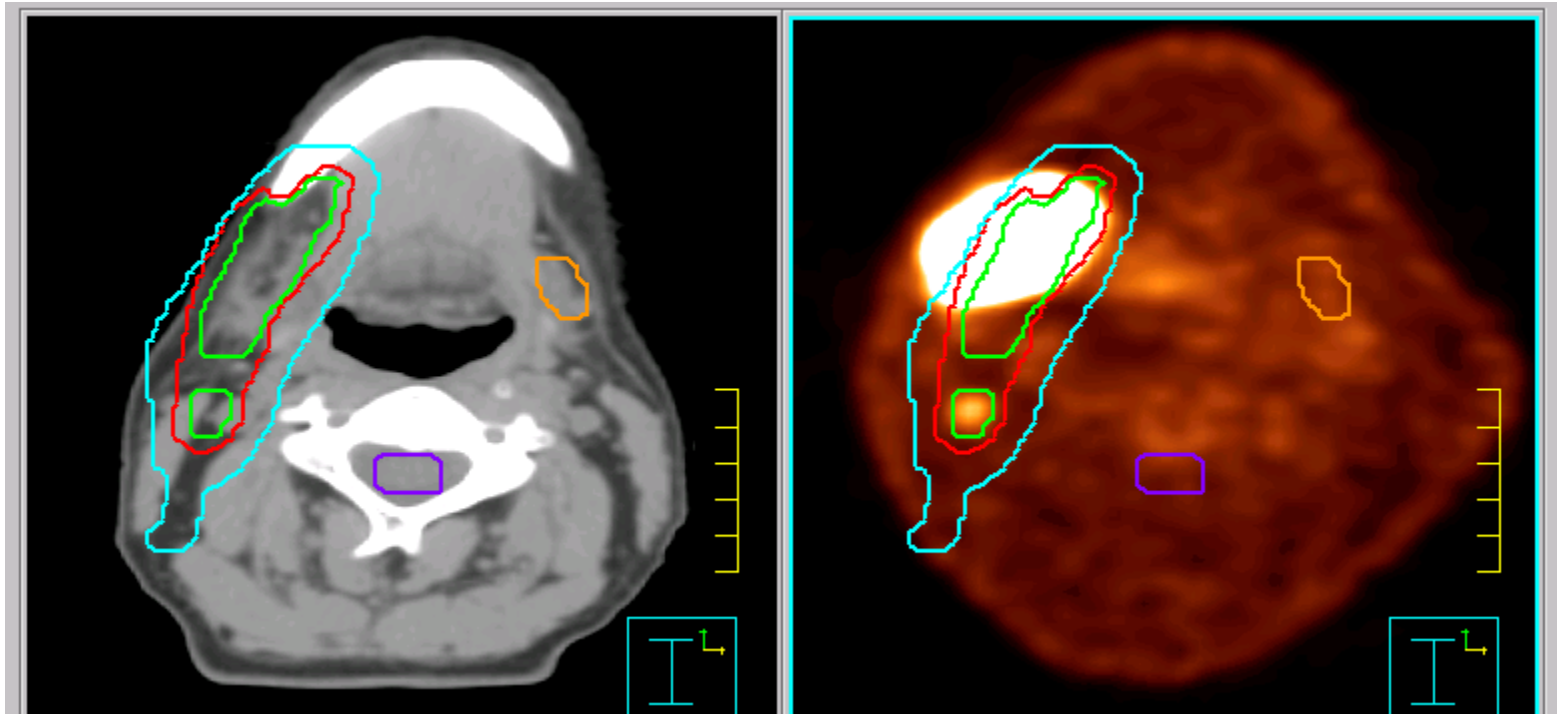


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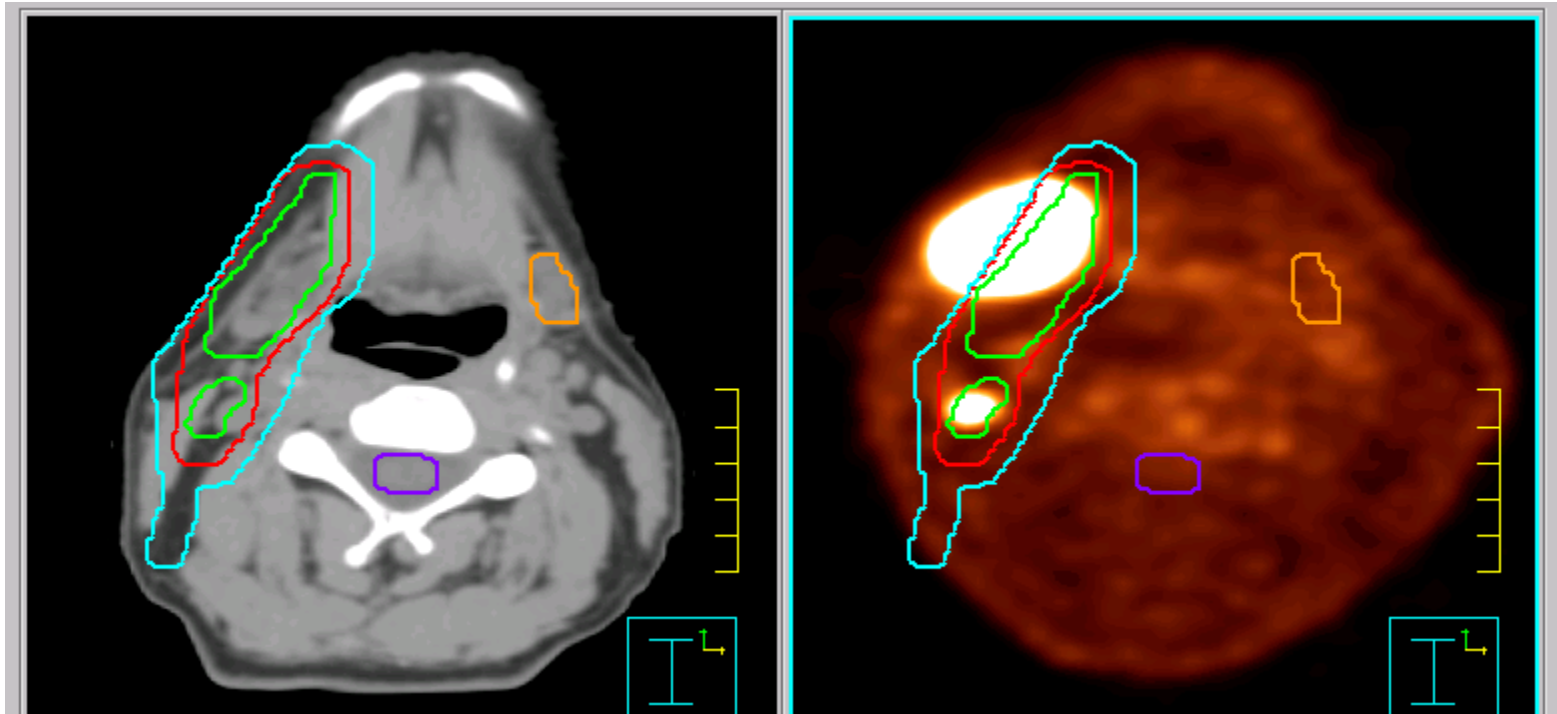


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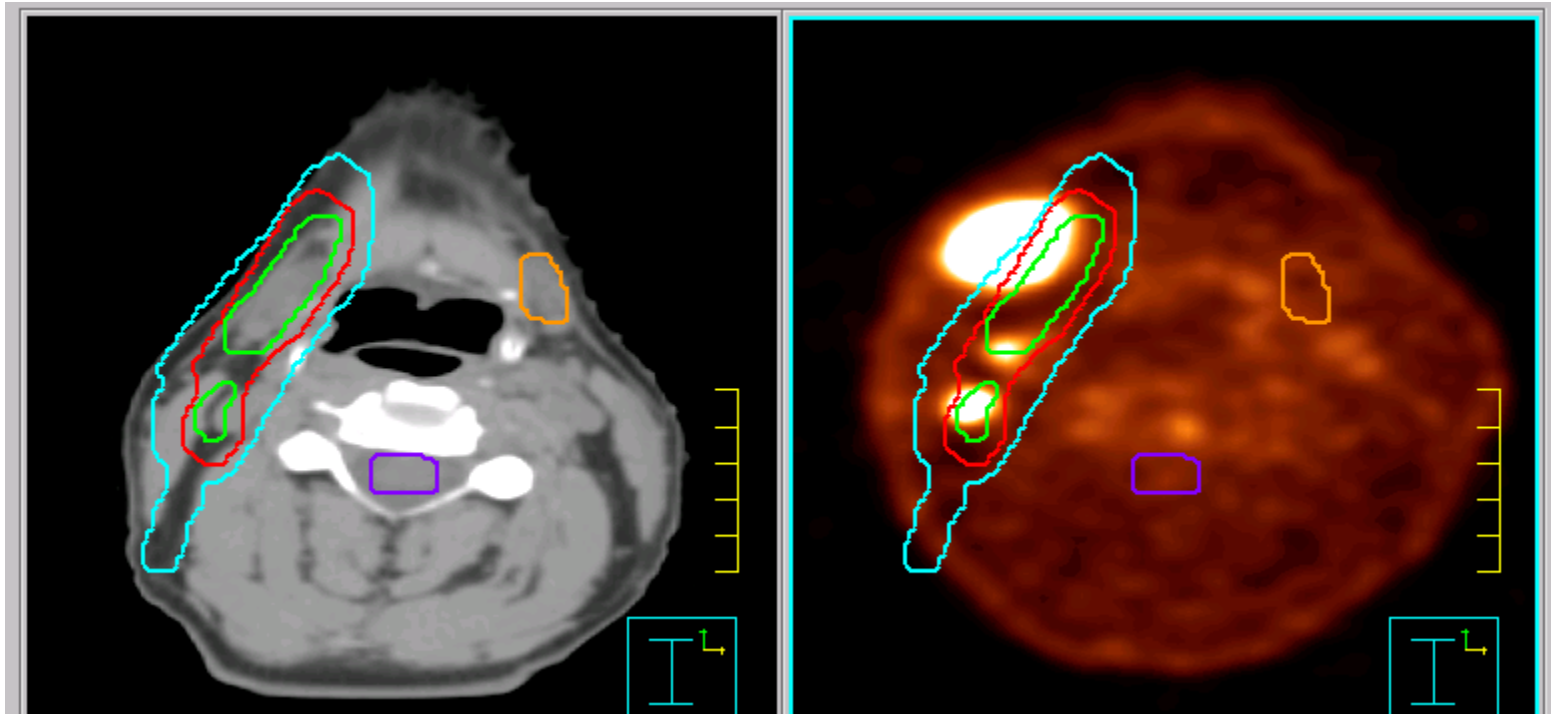


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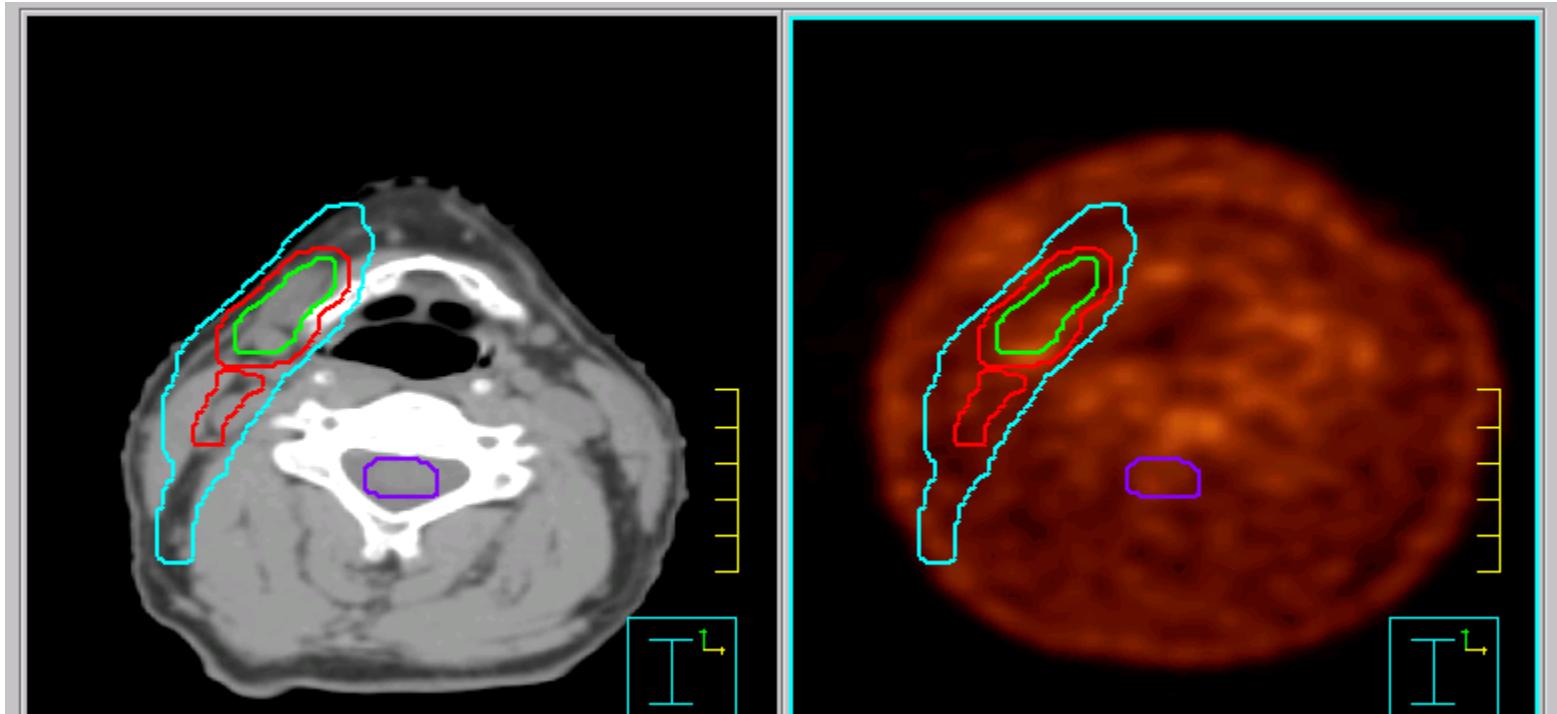


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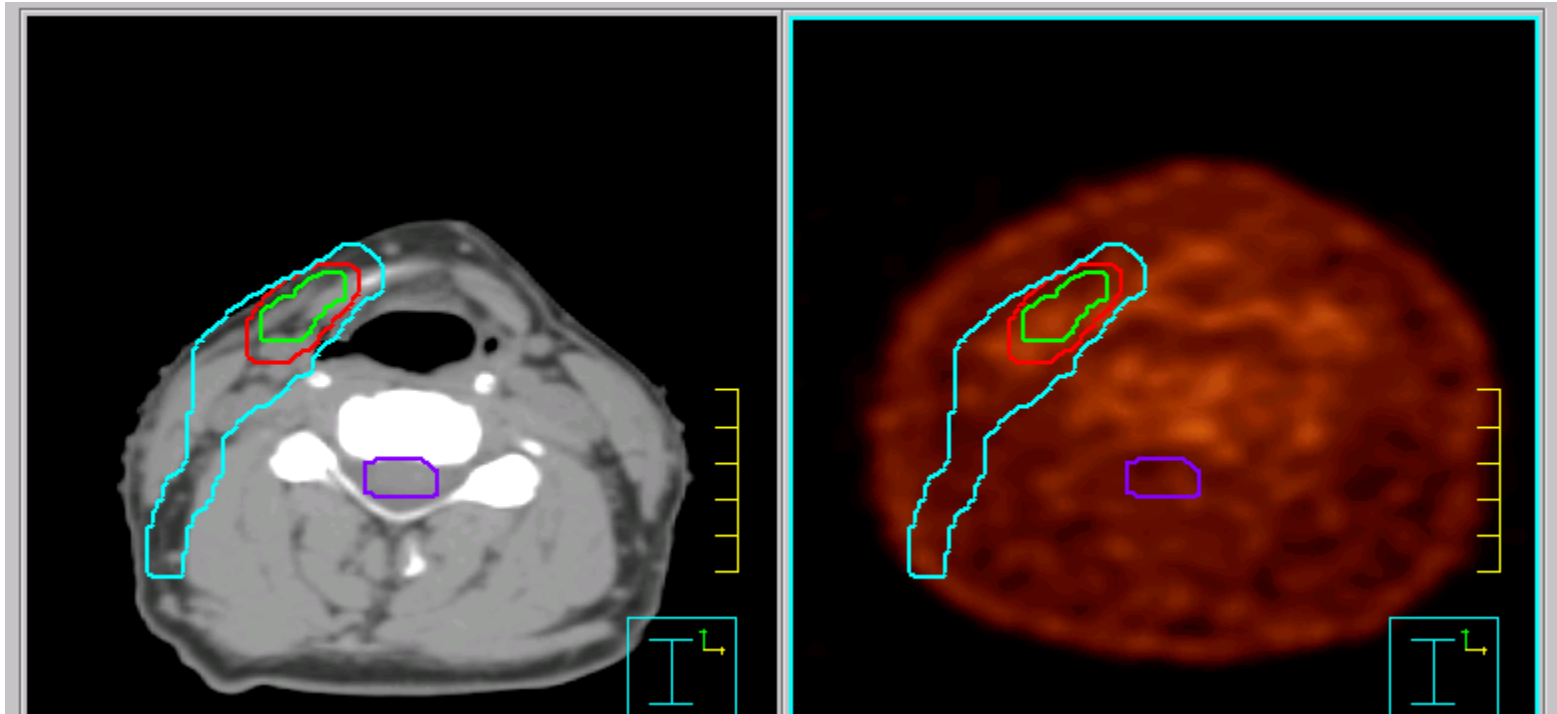


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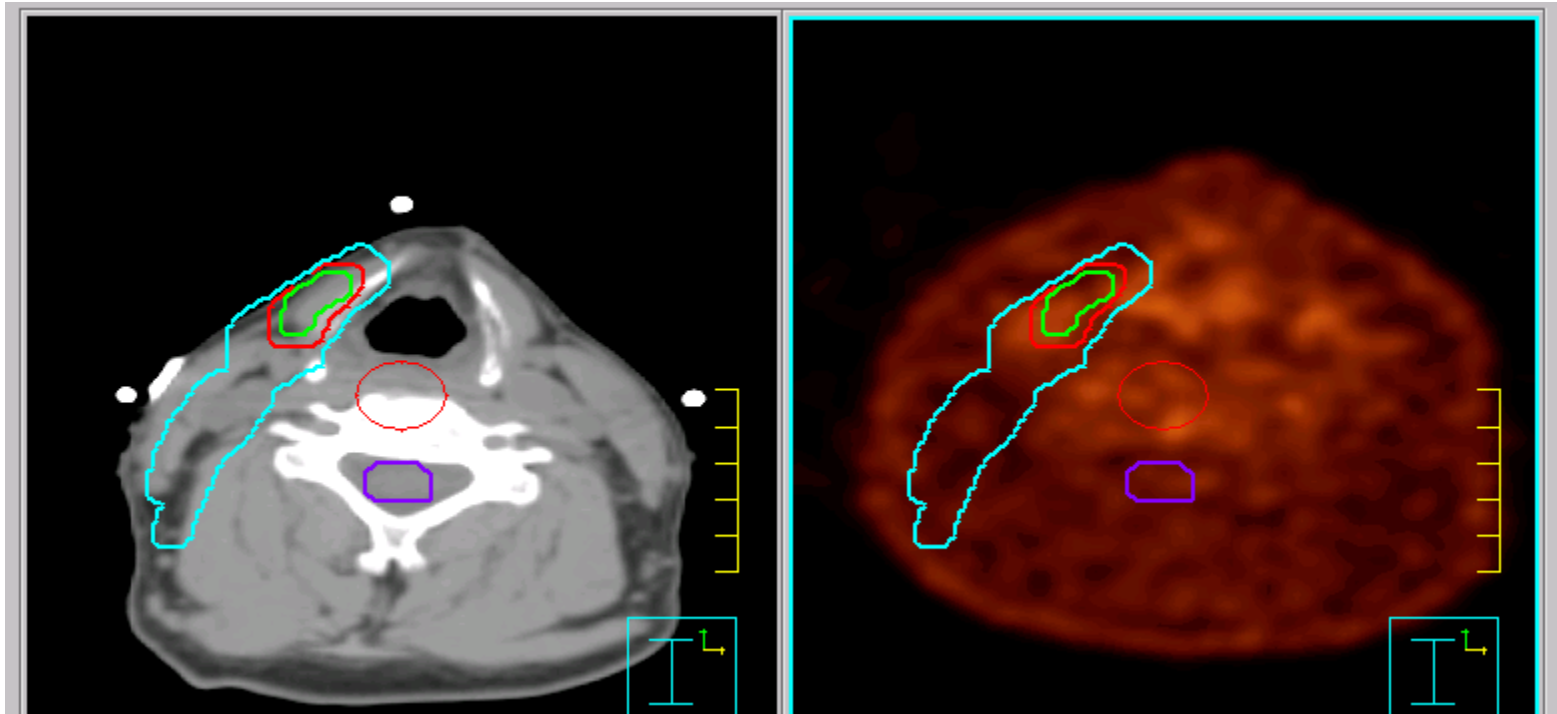


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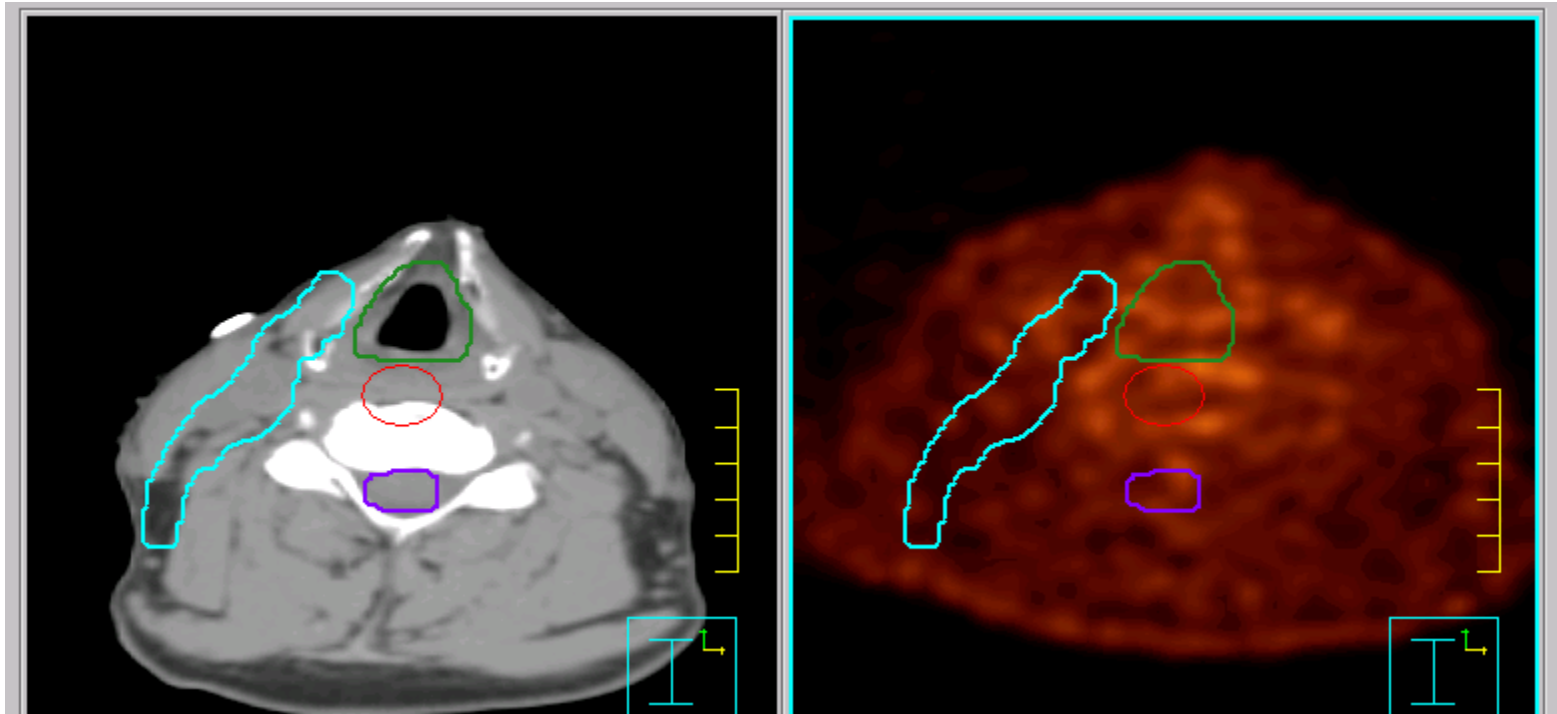


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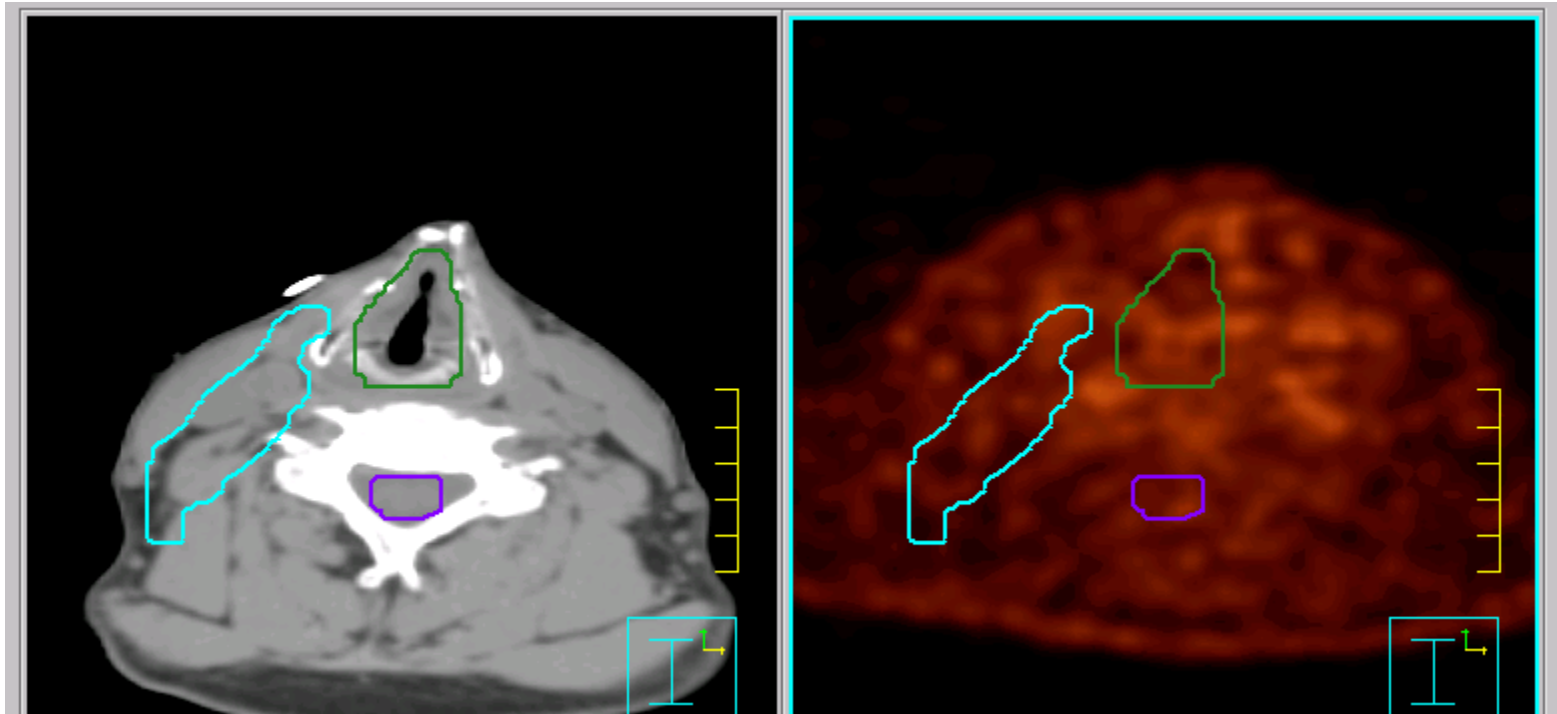


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Pretreatment PET



GTV

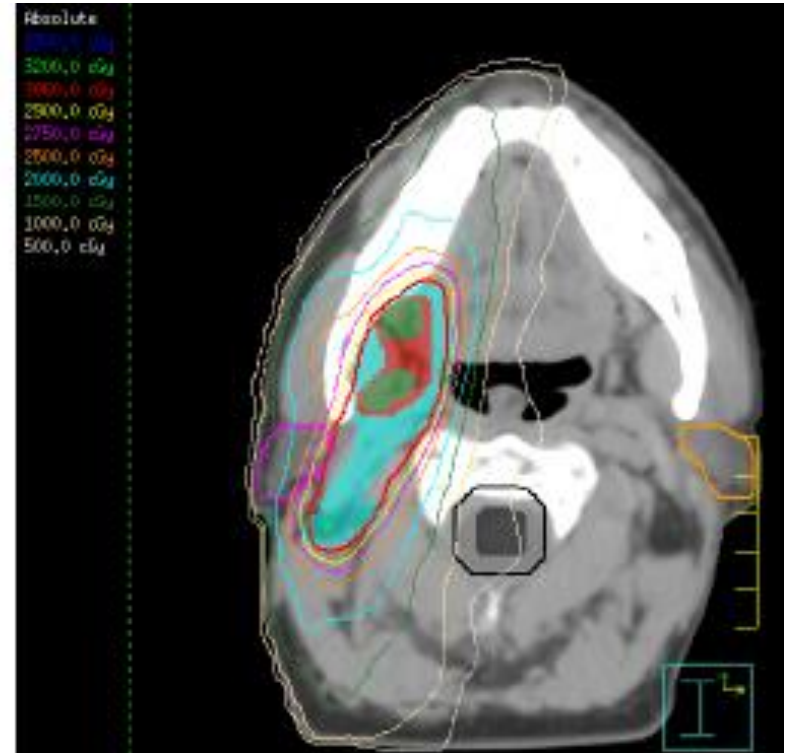
CTV

PTV

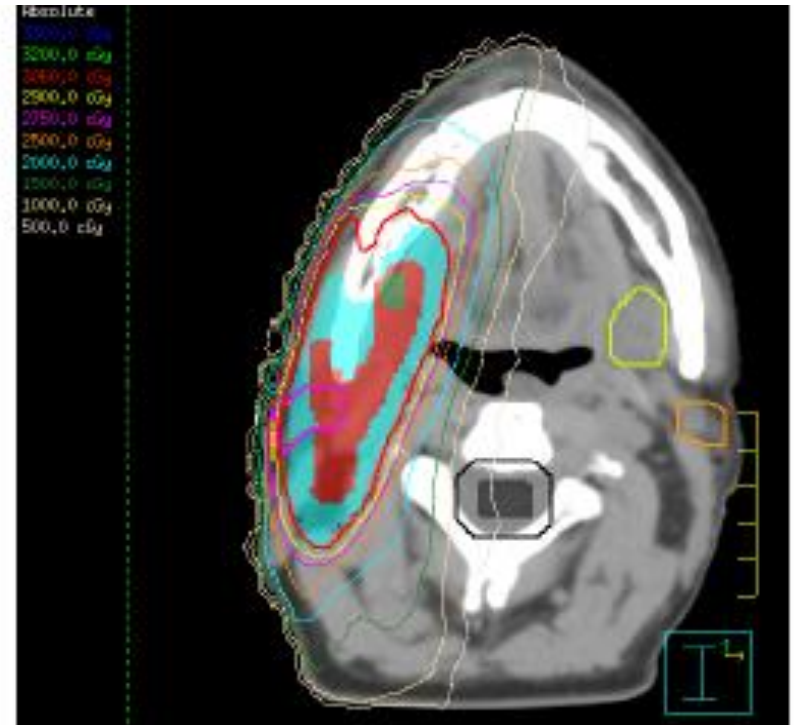
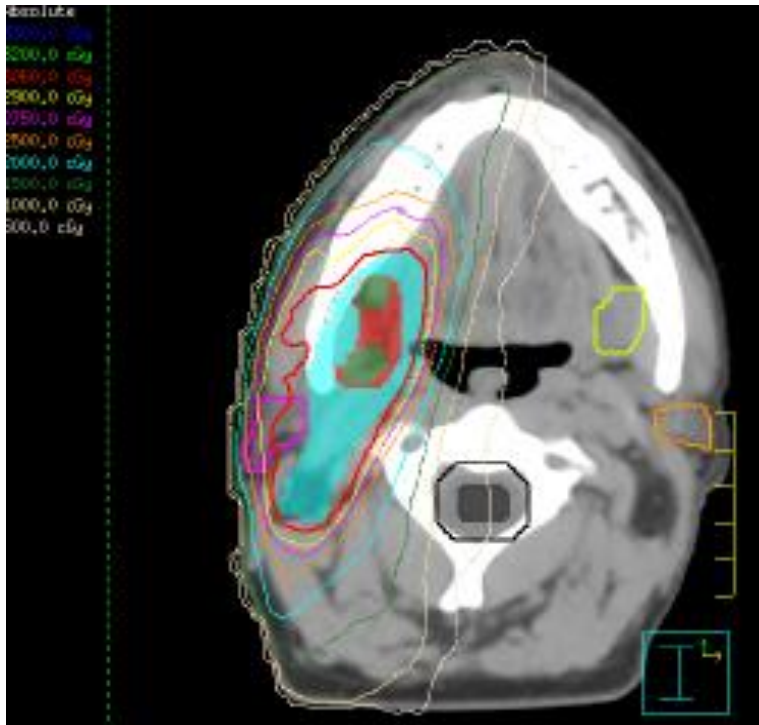
Treatment Plan



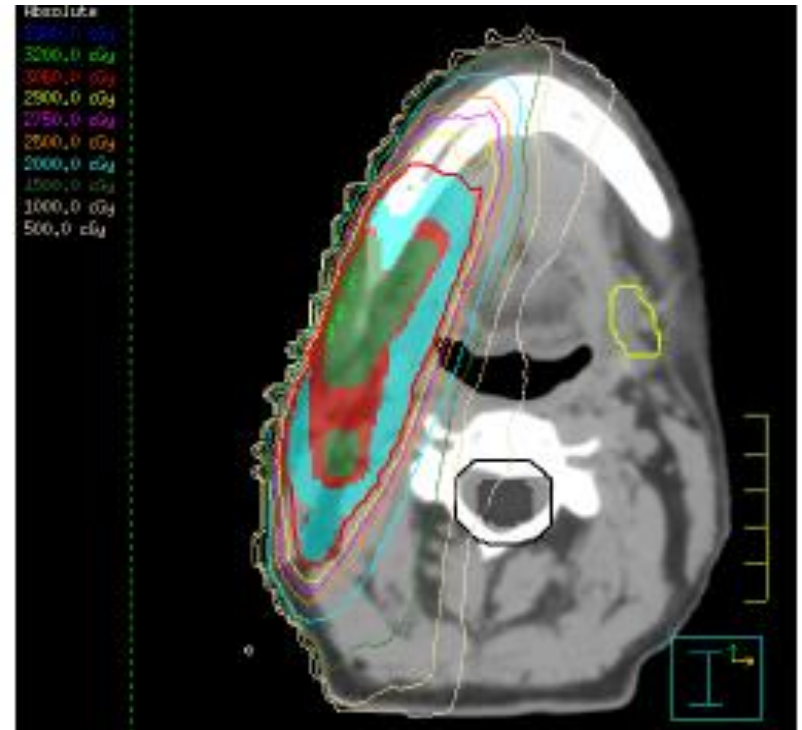
Treatment Plan



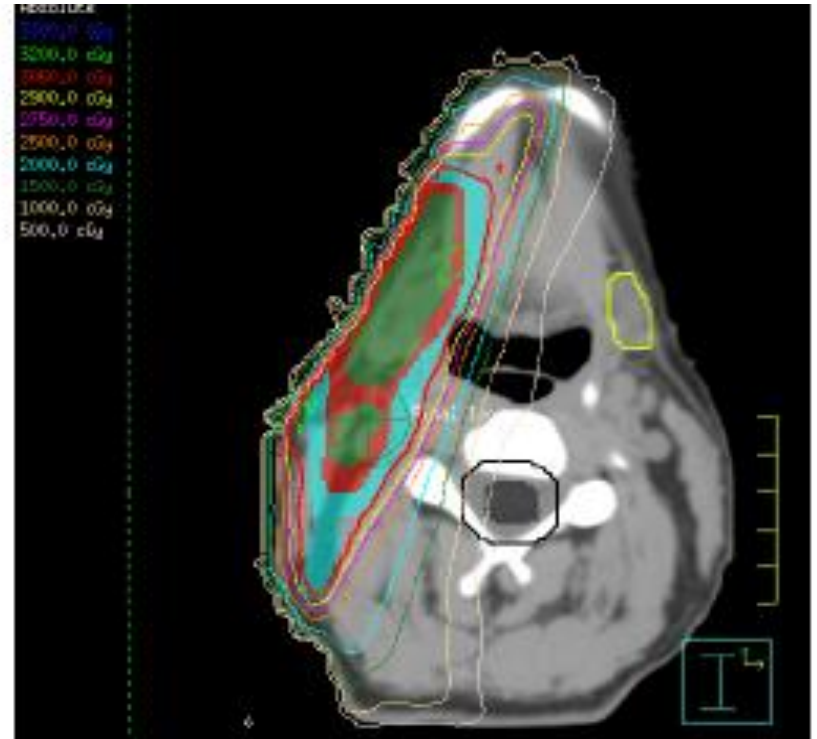
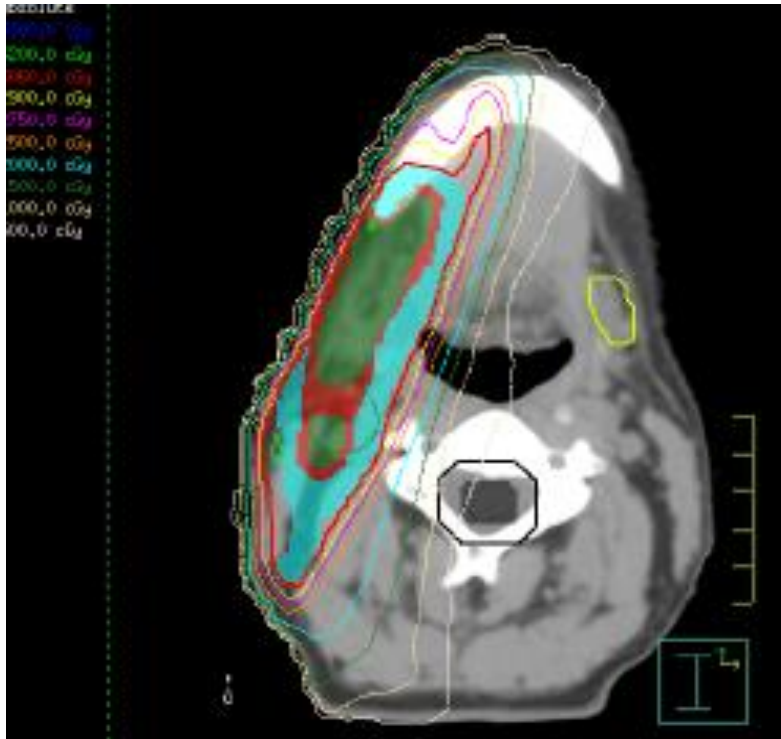
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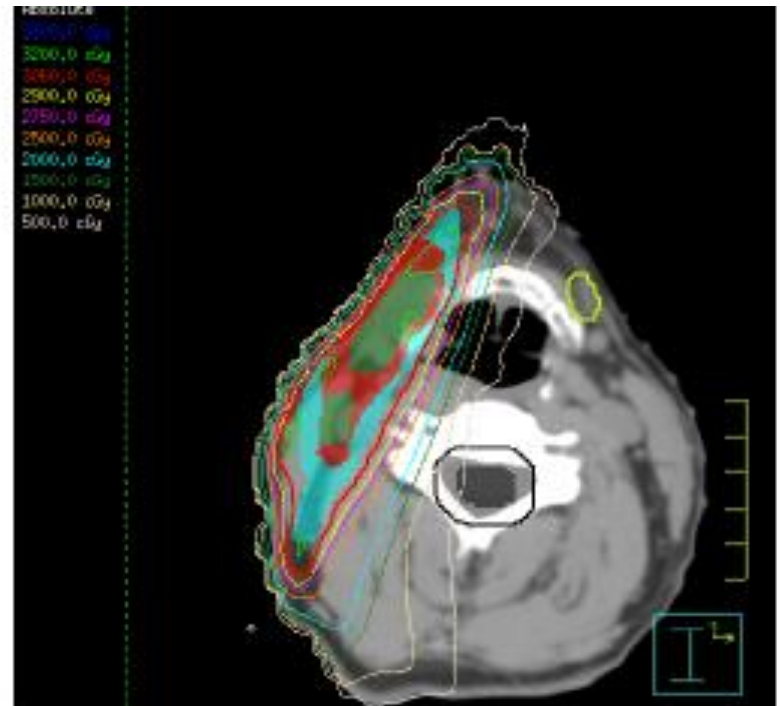
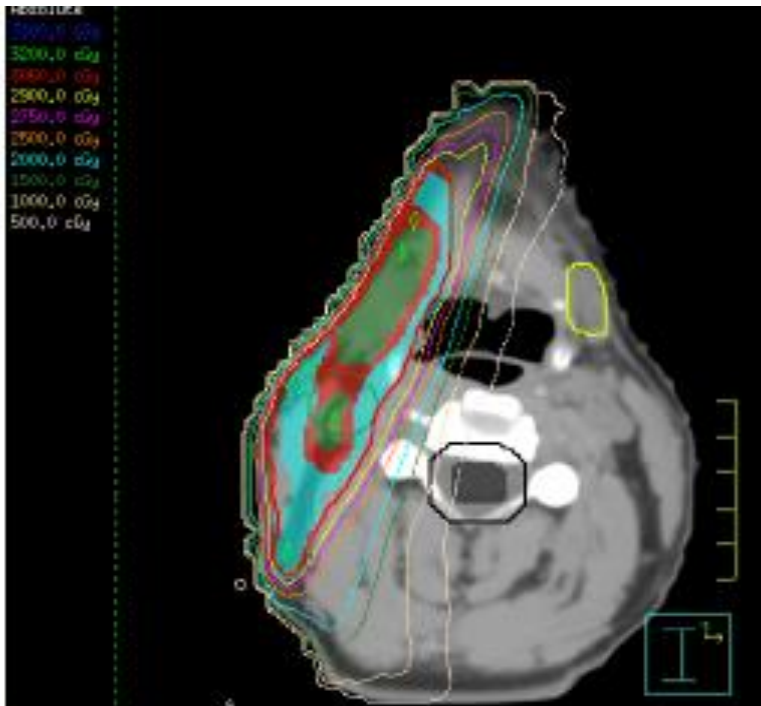
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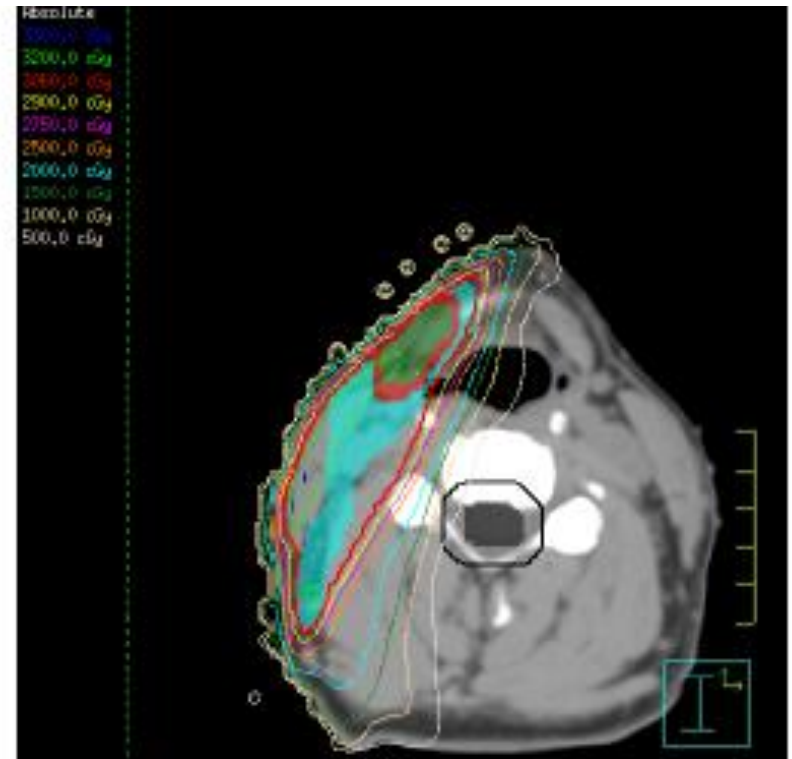
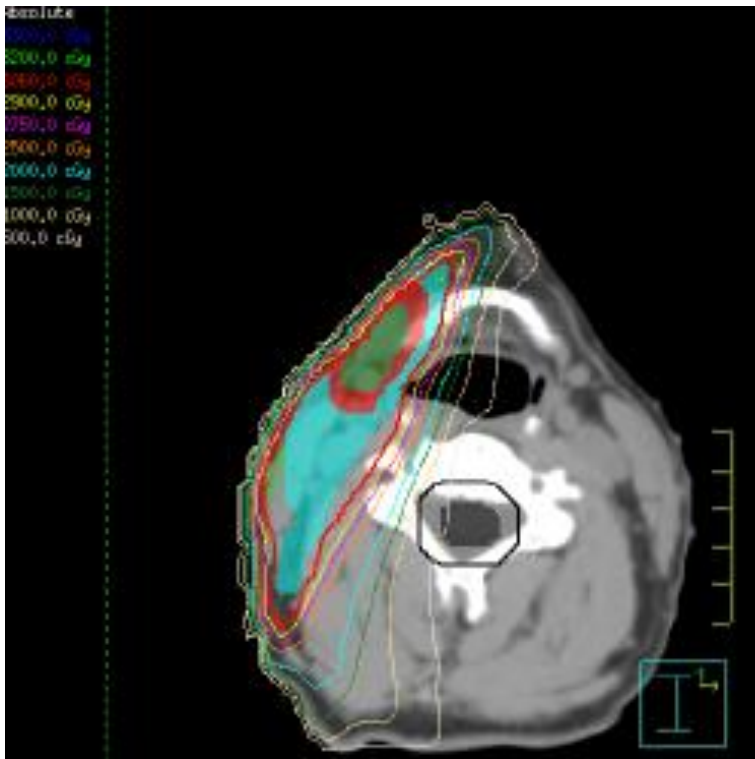
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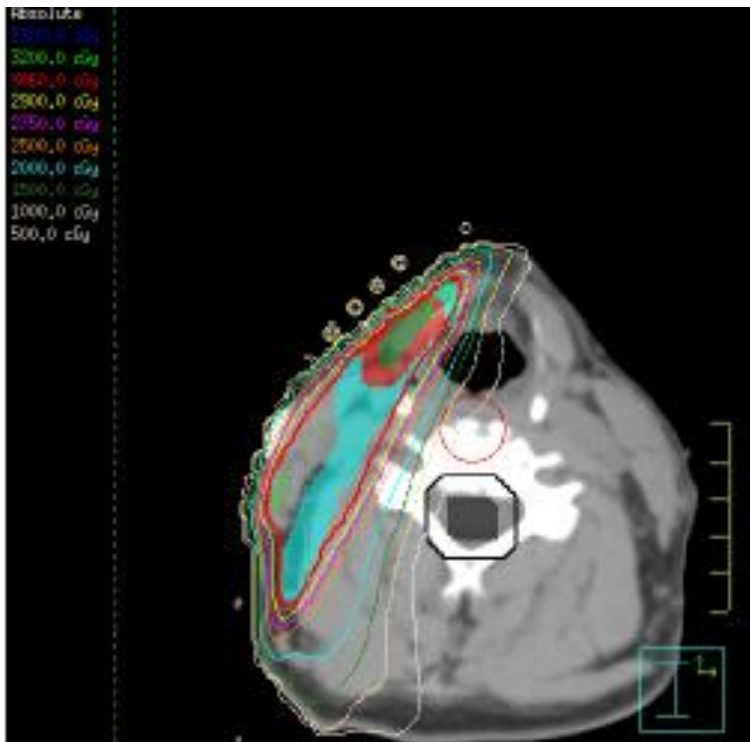
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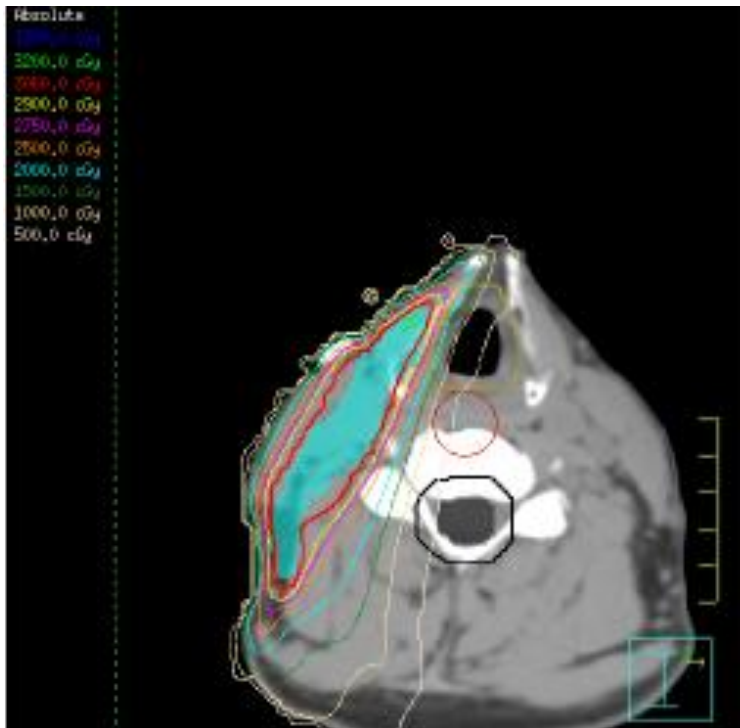
Treatment Plan



Treatment Plan



Treatment Plan



Treatment Plan

