Table S2 The dose constraints to organs at risk (OARs)

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| **Organ** | **Dose Constraint** |
| Spinal Cord\_PRV | Dmax < 50 Gy |
| D1cc < 46 Gy |
| Spinal Cord | D1cc < 46 Gy |
| Brain\_PRV | Dmax < 70 Gy |
| Brain - 5 mm | Dmax < 60 Gy |
| Brain Stem\_PRV | Dmax < 54 Gy |
| Brain Stem | Dmax < 54 Gy |
| Optic Nerve\_PRV | Dmax < 50 Gy |
| Eye | Dmax < 40 Gy |
| Lens | Dmean < 6 Gy |
| Parotid | Dmedian < 20 Gy |
| Dmean < 26 Gy |
| Constrictor Muscles | Dmean < 54 Gy |
| Larynx | Dmean < 45 Gy |
| Inner Ear\_PRV | Dmean < 45 Gy |
| Mandible | V65Gy (as low as possible) |
| V70 Gy (as low as possible) |
| V75Gy < 1cc |
| Oral | Dmean < 45 Gy |
| V60Gy (as low as possible) |
| Esophagus | V45Gy (as low as possible) |
| Lung | V20Gy (as low as possible) |