Brain (GBM to 6000cGy)

|  |  |  |
| --- | --- | --- |
| **Target Coverage – Priority 2** | | |
| **Target** | **Priority 4-Minor Coverage Deviation** | **Priority 2-Major Coverage Deviation** |
| **PTV\_p** | **V95% Rx p ≥ 99%** | **V95% Rx p ≥ 98%** |
| **V105% Rx p ≤ 1%** | **V105% Rx p ≤ 2%** |

|  |  |  |
| --- | --- | --- |
| **Organs at Risk** | | |
| **Organ** | **Priority 3 - Goal** | **Priority 1 - Constraint** |
| **Brain** | **V30 Gy ≤ 50%** |  |
| **Brain - PTV** | **Dmax (0.03 cc) ≤ Rx** | **Dmax (0.03 cc) ≤ V105% Rx** |
| **Brainstem** | **Dmax (0.03 cc) ≤ 54 Gy** | **Dmax (0.03 cc) ≤ 64 Gy** |
| **V30 Gy ≤ 33%** | **V60 Gy ≤ 1%** |
| **D 0.01 cc ≤ 60 Gy** | **D 10 cc ≤ 59 Gy** |
| **Brainstem\_PRV03** | **V54 Gy ≤ 2%** | **V64 Gy ≤ 2%** |
| **Cochlea\_L/R** | **Dmax (0.03 cc) ≤ 45 Gy** | **V55 Gy ≤ 5%** |
| **Dmean ≤ 30 Gy** | **Dmean ≤ 35 Gy** |
| **Eye\_L/R** | **Dmax (0.03 cc) ≤ 40 Gy** | **Dmax (0.03 cc) ≤ 50 Gy** |
| **Dmean ≤ 30 Gy** | **Dmean ≤ 35 Gy** |
| **Glnd\_Lacrimal\_L/R** |  | **Dmax (0.03 cc) ≤ 30 Gy** |
| **Glnd\_Lacrimal\_L/R\_PRV05** | **V30 Gy ≤ 1%** |  |
| **Lens\_L/R** | **Dmax (0.03 cc) ≤ 7 Gy** | **Dmax (0.03 cc) ≤ 10 Gy** |
| **Lens\_L/R\_PRV07** | **V10 Gy ≤ 1%** |  |
| **OpticChiasm** | **Dmax (0.03 cc) ≤ 54 Gy** | **V60 Gy ≤ 1%** |
| **Dmax (0.03 cc) ≤ 54 Gy** |
| **OpticChiasm\_PRV03** | **V54 Gy ≤ 1%** | **V60 Gy ≤ 1%** |
| **OpticNrv\_L/R** |  | **Dmax (0.03 cc) ≤ 54 Gy** |