SRS Brain

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| **CNS** | **[SRS]** | **[3 fraction] (27/3)** | **[5 fraction] (30/5)** |
| Brain | 12 Gy (8 - 8.5cc)  12 Gy (10 cc) UK | 18 Gy (30.2 cc) intact  24 Gy (16.8 cc) post-op | Max 33.5 (0.05 cc)  V30 < 10 cc |
| Brain - PTV | 12 Gy (8 - 8.5cc)  12 Gy (10 cc) UK | 18 Gy (30.2 cc) intact  24 Gy (16.8 cc) post-op | V12 < 10cc |
| Brainstem  (not medulla) | 15 Gy 101 / UK  10 Gy (0.1 cc) UK (0.5 cc) 101 | 21.3 Gy 101 / UK  18 Gy (0.1 cc) UK (0.5 cc) 101 | **Max 31 Gy** 101 / UK **(optimal max < 23 Gy)**  **23 Gy** (0.1 cc) UK (0.5 cc) 101  Max < 23 Gy (31 may be acceptable) |
| Cord  (includes medulla) | 22.7 Gy HyTEC, Daly 2011  12.4 - 14 GyHyTEC,T/101/UK, 09-15  10 Gy (0.1 cc) UK  10 Gy (10%) 06-31  10 Gy (0.35 cc) 09-15, T, BR002  7 - 8 Gy (1.2 cc) 101, 09-15, T  7 Gy (1 cc) UK (5 cc) HyTEC | 22.5 Gy T, BR002  21.9 Gy 101 / UK  20.3 GyHyTEC 2019  18 Gy (0.1 cc, 10%) UK  18 Gy (0.35 cc) 101  12.3 - 13 Gy (1.2 cc)101, T, BR002  12.3 Gy (1 cc) UK | 32 Gy (+3 mm PRV)SUNSET  **Max 30 Gy** 101, 08-13, T, SUNSET  28 Gy BR002  **25.3 Gy** HyTEC ’19 cord max (pref < 13 cc)  23 Gy (0.1 cc, 10%) UK  22 - 23 Gy (0.35 cc) T, 101, BR002  14.5 - 15.6 Gy (1.2 cc) UK  14.5 Gy (1 cc) UK  13.5 Gy (0.5 cc) 08-13 |
| OC/ON | 10 Gy 101  8 Gy (0.1 cc) UK  8 Gy (0.2 cc) 101 | 17.4 Gy 101  15 Gy (0.1 cc) UK  15.3 Gy (0.2 cc) 101 | 25 Gy 101  **Max 22.5 Gy** (0.1 cc) UK  23 Gy Gy (0.2 cc) 101 |
| Cochlea | 9 Gy 101 / UK  Mean < 4 Gy | 17.1 Gy 101 / UK | **25 Gy** 101 / UK  Max < 25  Mean < 4 Gy |
| Pituitary | 13 - 19 Gy |  | 7.3 Gy (40%) |
| Hippocampus |  |  |  |
| Lens | **Max < 1.5 Gy**  1.5 Gy (0.1 cc) UK |  |  |
| Orbit | **Max < 8 Gy**  8 Gy (0.1 cc) UK | 26 Gy T / UK / BR002  24 Gy 101 / UK  20.4 - 22 Gy (3 cc)101,T,BR002  24 - 26 Gy (0.5 cc) UK | 32 Gy 08-13, BR002, SUNSET  30.5 Gy T / 101  27 - 30 Gy (3 cc) 101, 08-13, BR002  27 - 29 Gy (0.5 cc) UK |
| Retina |  | 25.5 Gy T, BR002  24 Gy 101 / UK  21.9 Gy (5 cc) 101, BR002 | 32 Gy 101 / UK / BR002  30 Gy (5 cc) 101, BR002 |
| Brachial Plexus | 17.5 Gy 09-15 / T / 101 / BR002  14 Gy (3 cc) 09-15 / T / 101 / BR002 | 24 Gy 101 / UK / BR002  22.5 Gy (5 cc) 101 / BR002 | 35 Gy MDACC  32 Gy 08-13, BR002, SUNSET  30.5 Gy T / 101  27 - 30 Gy (3 cc) 101, 08-13, BR002  27 - 29 Gy (0.5 cc) UK |
| Cauda Equina | 16 Gy 06-31 / T/ 101 / UK/ BR002  14 Gy (5 cc) 06-31 / T / 101 / BR002 | 18 Gy (30.2 cc) intact  24 Gy (16.8 cc) post-op | 30 Gy (10.5 cc) intact  33.5 Gy (0.05 cc) post-op |
| Sacral Plexus | 18 Gy 06-31/ BR002  16 Gy 101 / UK  14.4 Gy (5 cc) 06-31, T, 101, BR002 | 23.1 Gy 101 / UK  18 Gy (0.1cc) UK (0.5cc) 101 | 31 Gy 101 / UK  23 Gy (0.1cc) UK (0.5cc) 101 |

Max dose to PTV ~ 10% to 30% (MD dependent)