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| **Target Coverage – Priority 2** | | |
| **Target** | **Goal** | **Description** |
| **ITV** | **D90% ≥ 120% Rx PTV\_p** |  |
| **PTV\_p** | **D98% ≥ Rx PTV\_p** | Coverage: Minimum 98% |
| **Dmean ≥ 120% Rx PTV\_p** | Mean Dose: 120% **Rx** PTV\_p |
| **D99% ≥ 90% Rx PTV\_p** | Minimum Dose: to least exposed 1% |

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| **Organs at Risk** | | | |
| **Organ** | **3 Fraction** | **4 Fraction** | **5 Fraction** |
| **BrachialPlex\_L/R** | **Dmax ≤ 26 Gy** | **Dmax ≤ 29 Gy** | **Dmax ≤ 32 Gy** |
| **V24 Gy ≤ 3 cc** | **V27 Gy ≤ 3 cc** | **V30 Gy ≤ 3 cc** |
| **BrachialPlex\_L/R\_PRV05** | **V24 Gy ≤ 2%** | **V27 Gy ≤ 2%** | **V30 Gy ≤ 2%** |
| **Bronchus\_L/R, Carina, Trachea** | **Dmax ≤ 30 Gy \*** | **Dmax ≤ 34 Gy \*** | **Dmax ≤ 37 Gy \*** |
| **V14 Gy ≤ 4 cc** | **V16 Gy ≤ 4 cc** | **V18 Gy ≤ 4 cc** |
| **PRV05 [Bronchus\_L/R, Carina, Trachea]** | **D2% ≤ 27 Gy \*** | **D2% ≤ 30 Gy \*** | **D2% ≤ 37 Gy \*** |
| **Chestwall** | **Dmax ≤ 35 Gy \*\*** | **Dmax ≤ 40 Gy \*\*** | **Dmax ≤ 44 Gy \*\*** |
| **V30 Gy ≤ 30 cc \*\*\*** | **V30 Gy ≤ 30 cc \*\*\*** | **V30 Gy ≤ 30 cc \*\*\*** |
| **Esophagus** | **Dmax ≤ 27 Gy \*** | **Dmax ≤ 30 Gy \*** | **Dmax ≤ 32 Gy \*** |
| **V22 Gy ≤ 5 cc** | **V25 Gy ≤ 5 cc** | **V27 Gy ≤ 5 cc** |
| **Esophagus\_PRV05** | **D2% ≤ 27 Gy \*** | **D2% ≤ 30 Gy \*** | **D2% ≤ 32 Gy \*** |
| **GreatVes** | **Dmax ≤ 45 Gy \*** | **Dmax ≤ 50 Gy \*** | **Dmax ≤ 52 Gy \*** |
| **V37 Gy ≤ 10 cc** | **V43 Gy ≤ 10 cc** | **V47 Gy ≤ 10 cc** |
| **Heart (Pericardium)** | **Dmax ≤ 40 Gy \*** | **Dmax ≤ 48 Gy \*** | **Dmax ≤ 50 Gy \*** |
| **V36 Gy ≤ 10 cc** | **V40 Gy ≤ 10 cc** | **V45 Gy ≤ 10 cc** |
| **V26 Gy ≤ 15 cc** | **V30 Gy ≤ 15 cc** | **V32 Gy ≤ 15 cc** |
| **Lungs-ITV/GTV** | **V5 Gy ≤ 50%** | **V5 Gy ≤ 50%** | **V5 Gy ≤ 50%** |
| **V12.5 Gy ≤ 15%** | **V12.5 Gy ≤ 15%** | **V12.5 Gy ≤ 15%** |
| **V20 Gy ≤ 10%** | **V20 Gy ≤ 10%** | **V20 Gy ≤ 10%** |
| **V13.5 Gy ≤ 1000 cc** | **V13.5 Gy ≤ 1000 cc** | **V13.5 Gy ≤ 1000 cc** |
| **V12.5 Gy ≤ 1500 cc** | **V12.5 Gy ≤ 1500 cc** | **V12.5 Gy ≤ 1500 cc** |
| **Normal\_2cm** | **Per Table Below** | **Per Table Below** | **Per Table Below** |
| **Skin\_PRV05** | **Dmax (1cc) ≤ 30 Gy** | **Dmax (1cc) ≤ 32 Gy** | **Dmax (1cc) ≤ 32 Gy** |
| **SpinalCord** | **Dmax (0.03cc) ≤ 18 Gy** | **Dmax (0.03cc) ≤ 20 Gy** | **Dmax (0.03cc) ≤ 22 Gy** |
| **SpinalCord\_PRV05** | **D2% ≤ 18 Gy** | **D2% ≤ 22 Gy** | **D2% ≤ 24 Gy** |
| **\* When overlap with PTV: Dmax (0.1 cc) < 105% RxPTV\_p**  **\*\* When overlap with ITV: Dmax (0.1 cc) < 115% RxPTV\_p**  **\*\*\* Can extend to 70 cc if abutting PTV.**  **Priority 1 are highlighted in yellow all others are Priority 3** | | | |

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|  | **Ratio of PTV\_p covered by RxPTV\_p to RxPTV\_p Isodose Volume** | | **Ratio of PTV\_p covered by 50% RxPTV\_p to 50% RxPTV\_p Isodose Volume** | | **Max Dose to Normal\_2cm** | |
| **PTV\_p volume [cc]** | **CI Minor - 100%** | **CI Major 100%** | **CI - Minor 50%** | **CI - Major 50%** | **Dmax Minor** | **Dmax Major 50%** |
| 1.80 | > 0.82 | > 0.65 | > 0.17 | > 0.13 | 50.00 | 57.00 |
| 3.80 | > 0.82 | > 0.65 | > 0.18 | > 0.15 | 50.00 | 57.00 |
| 7.40 | > 0.82 | > 0.65 | > 0.20 | > 0.17 | 50.00 | 58.00 |
| 13.20 | > 0.82 | > 0.65 | > 0.21 | > 0.17 | 50.00 | 58.00 |
| 22.00 | > 0.82 | > 0.65 | > 0.22 | > 0.18 | 54.00 | 63.00 |
| 34.00 | > 0.82 | > 0.65 | > 0.23 | > 0.19 | 58.00 | 68.00 |
| 50.00 | > 0.82 | > 0.65 | > 0.25 | > 0.20 | 62.00 | 77.00 |
| 70.00 | > 0.82 | > 0.65 | > 0.29 | > 0.21 | 66.00 | 86.00 |
| 95.00 | > 0.82 | > 0.65 | > 0.30 | > 0.23 | 70.00 | 89.00 |
| 126.00 | > 0.82 | > 0.65 | > 0.32 | > 0.25 | 73.00 | 91.00 |
| 163.00 | > 0.82 | > 0.65 | > 0.34 | > 0.27 | 77.0 | 94.00 |