

| Target dose:   | Dose level [Gy] |
|----------------|-----------------|
| PTVp*          | 50              |
| CTVp           | 50              |
| CTVn_IMN       | 49              |
| CTVn_Supraclav | 49              |
| PTV50*         | 49              |

Table A.2 Target dose for input in the "target ROI" in the Autoplan module in Pinnacle<sup>3</sup>. \* Represents the PTV expanded from the CTVp. \* Represents the PTV for all of the CTVs

| Organs at risk     | Objective      | Dose level [Gy] | Priority | Compromise |
|--------------------|----------------|-----------------|----------|------------|
| Lung Ipsilateral   | Mean Dose      | 10              | Medium   | Yes        |
| Lung Ipsilateral   | Max DVH (35 %) | 20              | Medium   | Yes        |
| Larynx             | Mean Dose      | 2               | Low      | Yes        |
| Heart              | Mean Dose      | 3               | Medium   | Yes        |
| Humeral Head       | Max Dose       | 25              | Medium   | Yes        |
| Lung Contralateral | Max Dose       | 2               | Low      | Yes        |
| Lung Contralateral | Mean Dose      | 3               | High     | Yes        |

Table A.3 Goals for organs at risk for the Autoplan module in Pinnacle<sup>3</sup>.

| Other Autoplan settings: | Value  |
|--------------------------|--------|
| OAR compromisable        | Yes    |
| Tuning balance           | 25%    |
| Dose fall-off margin     | 4.5 cm |
| Hot-spot maximum goal    | 105 %  |
| Cold-spot ROIs           | Yes    |

Table A.4 Additional settings for Autoplan in Pinnacle<sup>3</sup>.