**HEAD & NECK IMRT**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **GOAL** | | | **ACCEPTABLE** | | |  |
| **PTV** | **Max** | **≤** |  | **107** | **≤** | **110** | **%** |  |
| **PTV1** | **V** | **100** |  | **%** | **≥** | **95** | **%** |  |
| **PTV2** | **V** | **100** |  | **%** | **≥** | **95** | **%** |  |
| **PTV3** | **V** | **100** |  | **%** | **≥** | **95** | **%** |  |
|  |  |  |  |  |  |  |  |  |
| **TOTAL PAROTIDS** | **V** | **20** | **Gy** |  | **<** | **20** | **cc** |  |
|  |  |  |  |  |  |  |  |  |
| **PAROTID** | **V** | **30** | **Gy** |  | **<** | **50** | **%** |  |
|  |  | **MEAN** | **Gy** |  | **<** | **26** | **Gy** |  |
| **CONTRALATERAL PAROTID** |  | **MEAN** | **Gy** |  | **<** | **20** | **Gy** |  |
| **COCHLEA** | **V** | **55** | **Gy** |  | **<** | **5** | **%** |  |
|  |  | **MEAN** | **Gy** |  | **<** | **45** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **BRAINSTEM** |  | **MAX** | **Gy** |  | **<** | **54** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **CORD** |  | **MAX** | **Gy** |  | **<** | **45** | **Gy** | Dosimetry draws entire spinal canal |
| **CORD + 5MM** |  | **MAX** | **Gy** |  | **<** | **50** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **OPTIC CHIASM** |  | **MAX** | **Gy** |  | **<** | **50** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **OPTIC NERVES** |  | **MAX** | **Gy** |  | **<** | **54** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **EYES** |  | **MAX** | **Gy** |  | **<** | **50** | **Gy** |  |
| **RETINA (POST 2/3)** |  | **MEAN** | **Gy** |  | **<** | **35** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **LENS** |  | **MAX** | **Gy** |  | **<** | **10** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **MANDIBLE/TMJ** |  | **MAX** | **Gy** |  | **<** | **70** | **Gy** |  |
| **MANDIBLE (IN PTV)** |  | **MAX** | **Gy** |  | **<** | **75** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **BRACHIAL PLEXUS** |  | **MAX** | **Gy** |  | **<** | **63** | **Gy** | Dr. J draws |
|  |  | **MAX** | **Gy** |  | **<** | **70** | **Gy** | If large PTV |
|  | **V** | **66** | **Gy** |  | **<** | **2** | **%** | If large PTV |
| **BRACHIAL PLEXUS (IN PTV 60-62)** |  | **MAX** | **Gy** |  | **<** | **66** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **BRAIN** |  | **MAX** | **Gy** |  | **<** | **60** | **Gy** | OR |
|  | **V** | **60** | **Gy** |  | **<** | **0.03** | **cc** |  |
|  |  |  |  |  |  |  |  |  |
| **ORAL CAVITY (MINUS PTV)** |  | **MEAN** | **Gy** |  | **<** | **30** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **ESOPHAGUS (POSTERIOR PHARYNGEAL WALL)** |  | **MEAN** | **Gy** |  | **<** | **30** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **PPW (PHARYNGEAL CONSTRICTORS) WALL** |  | **MEAN** | **Gy** |  | **<** | **30** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **LIPS** |  | **MEAN** | **Gy** |  | **<** | **20** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **GLOTTIS/LARYNX (UNINVOLVED)** |  | **MEAN** | **Gy** |  | **<** | **30** | **Gy** |  |
| **LARYNX** |  | **MEAN** | **Gy** |  | **<** | **45** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **THYROID** |  | **MEAN** | **Gy** |  | **<** | **37** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **LACRIMAL GLAND** |  | **MEAN** | **Gy** |  | **<** | **26** | **Gy** |  |
|  |  |  |  |  |  |  |  |  |
| **HIPPOCAMPUS** |  | **MAX** | **Gy** |  | **<** | **18** | **Gy** |  |
|  |  | **MEAN** | **Gy** |  | **<** | **11** | **Gy** |  |

SKIN RETRACTION

POSTOP 2-3 MM

NO SURGERY 5 MM

*Mean* = *Average* on Tomo