PB & Nodes to 74 Gy \* Constraints for Pros Bed w/ Bowel Bag in Pelvis

\* 7400 in 37 fractions

(PTV to 7400)

**PROSTATE IMRT - (RTOG 0415)**

**PTV margins - sup/inf/ant/lat = 0.75 cm**

**post= 0.4cm**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **GOAL** | | **ACCEPTABLE** | | |  |
| **PTV** | **Max** | **≤** | **107** | **≤** | **110** | **%** |  |
|  | **V** | **70** | **Gy** | **≥** | **95** | **%** |  |
|  |  |  |  |  |  |  |  |
| **BLADDER** | **V** | **57** | **Gy** | **≤** | **50** | **%** |  |
|  | **V** | **62** | **Gy** | **≤** | **35** | **%** |  |
|  | **V** | **67** | **Gy** | **≤** | **25** | **%** |  |
|  | **V** | **71** | **Gy** | **≤** | **15** | **%** |  |
|  | **V** | **40** | **Gy** | **≤** | **70** | **%** |  |
|  |  |  |  |  |  |  |  |
| **RECTUM** | **V** | **53** | **Gy** | **≤** | **50** | **%** |  |
|  | **V** | **57** | **Gy** | **≤** | **35** | **%** |  |
|  | **V** | **62** | **Gy** | **≤** | **25** | **%** |  |
|  | **V** | **67** | **Gy** | **≤** | **15** | **%** |  |
|  |  |  |  |  |  |  |  |
| **FEMORAL HEADS** | **V** | **39** | **Gy** | **≤** | **5** | **%** |  |
|  |  |  |  |  |  |  |  |
| **PENILE BULB** | **MEAN** | **46** | **Gy** |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **SMALL BOWEL / BOWEL BAG** | **V** | **40** | **Gy** | **<** | **30** | **%** |  |
|  | **V** | **45** | **Gy** | **<** | **195** | **cc** |  |
|  | **MAX POINT DOSE** | **52** | **Gy** |  |  |  | **OR** |
|  | **MAX (0.03)** | **54-55** | **Gy** |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **ILIAC CREST** | **V** | **30** | **Gy** | **<** | **50** | **%** |  |
|  | **V** | **40** | **Gy** | **<** | **35** | **%** |  |

\* Dose constraints lowered by 10% of RTOG 0415

No black hot spots (105%) in pelvis bone