CRANIOSPINAL guidelines

Ciro duran

This is for Adrian torres: medulloblastoma, 23.4Gy craniospinal radiation followed by boost to posterior fossa of 30.6Gy

Please compare to sookdeo alexis plan.

SIOP guidelines

Thanks,

Savita

Use TMLI constraints

PTV1: 23.4Gy : craniospinal (brain+ spinal cord+ margin + cribiform plate + superior orbital). No hot spot in cord or cord +margin.

Brainstem dmax: 54Gy (keep at 23.4Gy for the subsequent boost)

Cord hotspot 105%

Cervical spinal cord 45-50Gy. max <105%

Spinal cord after C2: 45Gy.

Cochlea: dmax 45Gy

Lens: dmax 4Gy?

Eyes: dmax <40Gy

Chiasm: dmax 50Gy (<105%)

Optic nerves: dmax 50Gy (<105%)

Hypothalamus/pituitary: mean <18Gy (or 23Gy?)

Temporal lobes: max <30Gy

Oral cavity mean <20Gy

Pharynx mean <20Gy

Thyroid 1Gy

Larynx mean <20Gy

Esophagus: max 20Gy

Heart: similar to TMI

Lungs: bilateral v5<50%

Bowel dmax <20Gy

Kidneys bilateral: <10Gy

Testes: dmax <1Gy

Ovary: dmax 2Gy if possible

Skin