ACNS1422 Medulloblastoma Protocol Concise Atlas

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The Brain Region - When the brainstem was confirmed to be involved image 1.

Structures:
PTVcsi = purple
CTVcsi = green
Brain = yellow
Brainstem = cyan
GTV = red
CTVboost = light green
PTVboost = pink

Once can also see cochleae (bone windows are used), lid region constructs (optional, 4mm painted regions anterior to the globes), temporal lobes (MRI derived in this case), and orbits. **Note that both the CTVboost and PTVboost enter the brainstem. If one lacks information about brainstem involvement, this is the default method to use for CTVboost.**
The Brain Region - When the brainstem was confirmed to be involved image 2.

Structures:
PTVcsi = purple
CTVcsi = green
Brain = yellow
Brainstem = cyan
GTV = red
CTVboost = light green
PTVboost = pink

This is the same situation as the prior image except it is 6 mm lower on the patient. Note that both the CTVboost and PTVboost enter the brainstem. If one lacks information about brainstem involvement, this is the default method to use for CTVboost.
The Brain Region - When the brainstem was confirmed to be uninvolved image 1.

Structures:
PTVcsi = purple
CTVcsi = green
Brain = yellow
Brainstem = cyan
GTV = red
CTVboost = light green
PTVboost = pink

One can also see cochleae (bone windows are used), lid region constructs (optional, 4mm painted regions anterior to the globes), temporal lobes (MRI derived in this case), and orbits. **Note the CTVboost does not enter the brainstem but the PTV boost does.**
The Brain Region - When the brainstem was confirmed to be uninvolved image 2.

Structures:
PTVcsi = purple
CTVcsi = green
Brain = yellow
Brainstem = cyan
GTV = red
CTVboost = light green
PTVboost = pink

This is the same situation as the prior image except it is 6 mm lower on the patient
Note the CTVboost does not enter the brainstem but the PTV boost does.
Note the scalp contract is a portion of the skin. Skin for this protocol is defined as a 3mm thick shell defined by the body contour on the outside (green). The scalp is simply the region above C3 and is over-simplified on purpose (blue).
The Spine Region in a Young Patient (growth plates not yet fused)

Structures:

PTVcsi = red
CTVcsi = cyan
Spinal cord = green
Left Lung = pink
Right Lung = orange
Heart = purple
Left Ventricle = lemon green
Esophagus = gold
The Spine Region in an Older Patient (growth plates fused)

**Structures:**

- PTVcsi = red
- CTVcsi = cyan
- Spinal cord = green
- Left Lung = pink
- Right Lung = orange
- Heart = purple
- Left Ventricle = lemon green
- Esophagus = gold