

# CT HEAD W/O

**Indications** Headaches, CVA, Subdural Hematoma, Trauma

**Patient Prep** No Prep

**IV Contrast** None

**Scout** Lateral - 10 mA, 120 kV  
Range: Below base of skull through vertex.

**Positioning** Head First Supine. Use the Head Holder.  
Position the patient's head to superimpose the supraorbital ridge and the inner table of the skull at the foramen magnum along a line.

**Scanning Instructions**

- If With & Without do not let patient move between scans, scan in the same way.
- Avoid scanning through lens of eyes.
- Check pre-scan CTDI

**Dose Information**

Reference CTDI<sub>vol</sub> 48.95 mGy  
Expected CTDI<sub>vol</sub> Range 35 mGy – 60 mGy  
Notification Value 80 mGy

**Scan Technique**

Scan Type	Rotation Time	Detector Configuration	Slice Thickness	Interval	Pitch	SFOV	DFOV	kV	mA	Noise Index	Min-Max mA	Smart mA	Auto mA	ASiR %	Reference Noise Index	Recon Type
Axial	1.0s	64 x 0.625	5 mm	20 mm	N/A	Head	22.0	120	255DR	N/A	N/A	No	No	20	N/A	Standard

**Reconstructions**

<b>Reconstruction 1</b> Standard 5mm x 5mm WW 80 / WL 35, SS 30	<b>Reconstruction 2 (Thins)</b> Standard 0.625mm x 0.625mm WW 80 / WL 35, SS 30	<b>Reconstruction 3</b> Bone 5mm x 5mm WW 2000 / WL 500, SS 70
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**Reformats**

<b>Coronal Reformats</b> 2mm x 2mm Standard	<b>Sagittal Reformats</b> 2mm x 2mm Standard	<b>True Axial Reformat</b> 5mm x 5mm Standard
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**Image Transfer**

All images should be sent to Philips PACS

**Patient Instructions**

None