

Group	1
Pitch	0.5625:1
Rotation time	1.0
Type	Helical
Start	S0.0
End	S110.0
Thick	5.0
Speed	5.625
Rows	16x0.625
Int	5.0
Tilt	S0.0
SFOV	Head
kV	120
mA	340
Message	No
Light	No
Timer	No

GE light speed -16 slices protocol- head and neck

<u>protocol</u>	GE	Lightspeed	Siemens	Toshiba	Philips	Shimadzu
Patient position	supine	supine	supine	supine	supine	supine
Gantry angle	zero	zero	zero	zero	zero	zero
matrix	512	512	512	512	512	512
Scanning plane	Axial	Axial	Axial	Axial	Axial	Axial
<u>Guidelines</u>	GE	Lightspeed	siemens	Toshiba	Philips	Shimadzu
Scann mode	Helical	helical	spiral	helical	helical	spiral
Slice thickness	3mm	2.5/1.25mm	3mm	3mm	3mm	3mm
Table increment	1mm	1/1.25mm	1mm	1mm	1mm	1mm
Cranial algorithm	Standard	Standard	Brain	Brain	Brain	Brain
pitch	1:1	3/HQ	1:1	1:1	1:1	1:1
FOV	25cm	25cm	25cm	250mm	25cm	250mm

Scanning Protocols of head for Some CT Systems

(Standard guideline)

Data collection sheet

[illegible]

CT protocol of Trauma Head Non-Contrast- neuro #01

Indications: Evaluate for trauma, intracranial hemorrhage, early infarction

Scan Angle: Parallel to infraorbital-meatal line

Group 1: Non-contrast Head – Foramen magnum through sella

Exam	Scan Mode	Thickness Speed Pitch	Table Interval (mm)	SFOV	kV	mA	DFOV	Recon Type
Head – 1-8	2.0 Axial	5 2i	10	Head	140	170	20 25	Standard Bone Plus

Group 2: Sella through Vertex

Exam	Scan Mode	Thickness Speed Pitch	Table Interval (mm)	SFOV	kV	mA	DFOV	Recon Type
Head – 9-28	2.0 Axial	5 2i	10	Head	120	170	20 25	Standard Bone Plus

Network: Exam – to PACS

Photography: Standard Algorithm

Soft tissue windows: Group 1 & 2

250/30 – through foramen magnum

150/30 – through base of skull

100/30 – through sella

80/30 – through vertex

Blood windows: Group 1 & 2

150/40 - All images

Bone Algorithm – 25 DFOV on bone algorithm to include nasal bones

Bone windows: Group 1 & 2

4000/400 – All images