CT Cisternogram

Updated
5/3/2024

Indications - CSF leak, rhinorrhea, otorrhea.

GENERAL SCAN NOTES

Remove any metal from the imaging field of view.
Patient Positioning:
Suspected leak from the nose - Place the patient prone with his/her face down.
Suspected leak from one of the ears - Place the patient decubitus leak side down.
Flip the images supine and correct right/left before sending to PACS.
Topogram - C1 vertebrae through top of head.
Craniocaudal scan coverage - C1 vertebrae through top of head. **Avoid scanning the lens of the eyes.**
Adjust FOV (field of view) on topogram to smallest without cropping anatomy.
IV Contrast: not given for this protocol.
For **GE scanners**, it is essential for the 1st recon thickness on the scanner to match the 1st recon thickness in this protocol book for the prescribed Noise Index to be valid. The 1st recon should generally be the thickest recon in the protocol.

SIEMENS PARAMETERS & RECONS

	Scan Mode	kV	mAs	Care Dose	Care kV & Lvl	Pitch	Acq	Coll	Rot Time	Scan Time
Sensation 16	spiral	120	280	on	NA	0.55	16	0.75	1.0	18.2
Go Up 32	spiral	130	230	**off**	**off**	0.55	32	0.7	1.0	9.7
Sensation 64	spiral	120	380	on	NA	0.85	64	0.6	1.0	7.4
Definition 64	spiral	120	350	on	on	0.55	64	0.6	1.0	11.4
Go Top 64	spiral	120	265	**off**	**off**	0.55	64	0.5	1.0	6.8
Drive 128	spiral	120	332	on	on	0.55	128	0.6	1.0	5.7
Force 192	spiral	120	332	on	on	0.55	192	0.6	1.0	3.8

Name of Series	Thick	Interval	Kernel	Window	IR Lvl	Recon Direction
AX SOFT	4.0	4.0	Hr40 / H31s	cerebrum	3	feet/head
TRUE AX SOFT	4.0	4.0	Hr40 / H31s	cerebrum	3	feet/head
AX BONE	4.0	4.0	Hr64 / H70s	bone	3	feet/head
COR SOFT	3.0	3.0	Hr40 / H31s	cerebrum	3	front/back
SOFT THINS	0.75	0.75	Hr40 / H31s	cerebrum	3	feet/head
BONE THINS	0.75	0.75	Hr64 / H70s	bone	3	feet/head

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GE PARAMETERS & RECONS

	Scan Type	SFOV	kV	mA Range	Noise Index	Smart mA	Slice Thick	Beam Coll	Pitch	Speed	Rot Time	Dose Red	ASIR	Scan Time
LS 16	helical	head	120	50-250	3.54	on	5.0	10	0.562	5.62	0.8	NA	NA	17.1
Opt 540	helical	head	120	50-250	3.54	on	5.0	10	0.562	5.62	0.8	NA	NA	17.1
LS VCT 64	helical	head	120	50-210	2.47	on	5.0	20	0.531	10.62	0.7	30	30	7.9
Disc VCT 64	helical	head	120	50-210	2.47	on	5.0	20	0.531	10.62	0.7	NA	NA	7.9

Name of Series	Thickness	Interval	Recon Algorithm	Window Width/Level	Recon Direction
AX SOFT	**5.0**	**5.0**	**std full**	**80/40**	**feet/head**
TRUE AX SOFT	5.0	5.0	std full	80/40	feet/head
AX BONE	5.0	5.0	std full	2500/480	feet/head
COR SOFT	2.5	2.5	std full	80/40	front/back
SOFT THINS	0.625	0.625	std full	80/40	feet/head
BONE THINS	0.625	0.625	bone plus full	2500/480	feet/head

Must be first recon.

PHILIPS PARAMETERS & RECONS

	Scan Mode	kV	Avg mAs	Dose Index	3D Dose	Pitch	Detect	Colli	Rot Time	Scan Time
Incisive 128	helical	120	310	37	on	0.70	64	0.625	1.0	4.3

Name of Series	Thick	Interval	Filter	Window	iDose	Recon Direction
AX SOFT	4.0	4.0	UB	brain	1	feet/head
TRUE AX SOFT	4.0	4.0	UB	brain	1	feet/head
AX BONE	4.0	4.0	YB	bone	1	feet/head
COR SOFT	3.0	3.0	UB	brain	1	front/back
SOFT THINS	0.8	0.8	UB	brain	1	feet/head
BONE THINS	0.8	0.8	YC	bone	1	feet/head