Gundersen Health System

Venography AP with Legs

Siemens go.All

Application Examples: stenosis or occlusion of deep veins in the pelvis and/or legs, pelvic congestion

Oral Contrast	None	
IV Contrast	**Omnipaque 350**	**Injection duration of 40 seconds**
Weight	**Volume**	**Injection Rate**
< 121 lbs.	100mL	2.5 mL/sec
122-143 lbs	120mL	3.0 mL/sec
144-165 lbs.	135mL	3.4 mL/sec
166-187 lbs.	150mL	3.8 mL/sec
188-209 lbs.	175mL	4.4 mL/sec
>209 lbs.	200mL	5 mL/sec

Technical Factors

Scan Type	Spiral
Detector Collimator	Acq 32 x 0.7 mm
Care kV	Semi / 100kV
Care Dose 4D	On / 180 mAs
Rotation Time (seconds)	0.5
Pitch	0.8

Scan Delay for AP	110 seconds
Scan Delay for Legs	70 seconds
Breath Hold	Inspiration
Typical CTDIvol	12.00 mGy ± 50%

Topogram: Lateral 512 mm and AP, 1970 mm

Venography AP	Recon Type	Width/Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	3 x 3	Br40	2	Abdomen	AXIAL	PACS	None
Recon 2	3D:COR	3 x 3	Br36	2	Abdomen	COR	PACS	Coronal MPR
Recon 3	3D:SAG	3 x 3	Br36	2	Abdomen	SAG	PACS	Sagittal MPR
Recon 4	Axial	0.6 x 0.6	Br36	2	Abdomen	AXIAL 0.6 STND	TR & PACS	None

Venography Legs	Recon Type	Width/Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	3 x 3	Br40	2	Abdomen	AXIAL	PACS	None
Recon 2	3D:COR	2 x 2	Br36	2	Abdomen	RUN OFFS COR	PACS	Coronal MPR
Recon 3	3D:SAG	2 x 2	Br36	2	Abdomen	RUN OFFS SAG	PACS	Sagittal MPR
Recon 4	Axial	0.6 x 0.6	Br36	2	Abdomen	AXIAL 0.6 STND	TR & PACS	None

Injector- Pick the Enterography protocol and adjust according to the above weight chart.

IV Placement: ≥ 20 gauge, *preferably* in antecubital (AC) fossa.

Patient Position: Patient lying supine feet first with arms comfortably above head and legs extended flat on table (no cushions or wedges under legs or feet). Position legs as close together as possible in their neutral position.

Scan Instructions: **Must use 100 kV.** Increase mAs as needed to make CTDI the same as it would be for an abdominal CT at 120 kV. DFoV and x-y coordinates should be identical for both venography volumes.

Scan Range: The abdomen is scanned diaphragm through SP. The legs are scanned just above SP to ankles.

Recons and Reformations: FoV to fit body contour. Make coronal and sagittal MPRs of abdomen and legs.

3D: None