

Angio Run Offs Blue Toe

Siemens Flash

Application Examples: blue toe syndrome

Oral Contrast	1 glass H ₂ O
IV Contrast / Volume / Injection Rate (< 240lbs)	Omni 350 / 100 mL / 4 mL/sec
IV Contrast / Volume / Injection Rate (≥ 240lbs)	Omni 350 / 125 mL / 5 mL/sec

Technical Factors

Care Bolus ROI Location / HU	Aortic Arch / 150
Monitoring Delay	10 seconds
Cycle Time	1.5 seconds
Scan Delay	5 seconds
Breath Hold	Inspiration
Scan Type	Spiral
Detector Collimator	Acq 128 x 0.6mm
Care kV	On / 120 kV
Care Dose 4D	On / 130
Rotation Time (seconds)	0.5
Pitch	0.8
Typical CTDIvol	8.78 mGy ± 50%

Topogram: Lateral 1024 mm and AP 1970 mm

Angio RunOffs	Recon Type	Width/Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	3 x 3	I40f	2	Abdomen	AXIAL	PACS	None
Recon 2	3D:COR	3 x 3	I30f	2	Angio	COR MIP	PACS	Coronal MIP
Recon 3	3D:SAG	3 x 3	I30f	2	Angio	SAG MIP	PACS	Sagittal MIP
Recon 4	3D:OBL	3 x 3	I30f	2	Angio	OBL MIP	PACS	Oblique MIP
Recon 5	3D:COR	2 x 2	I30f	2	Angio	RUN OFFS COR MIP	PACS	Coronal MIP
Recon 6	3D:SAG	2 x 2	I30f	2	Angio	RUN OFFS SAG MIP	PACS	Sagittal MIP
Recon 7	Axial	0.6 x 0.6	I26f	2	Angio	AXIAL 0.6 STND	TR & PACS	None

Blue toe syndrome is the bluish discoloration to toes as a result of tissue ischemia (lack of blood flow). The syndrome is caused by the blockage of small vessels that lead into the toes.

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

Patient Position: Patient lying supine with arms comfortably above head and lower legs together and straight (no cushions under knees).

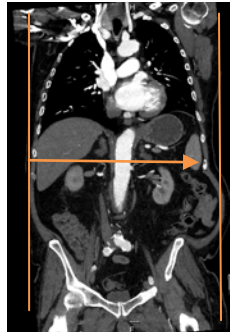
Scan Instructions: Place pre-monitoring ROI in abdominal aorta, away from any calcium deposits. Adjust pitch so that the scan time is about 30 seconds.

Scan Range: Include aortic arch through toes.

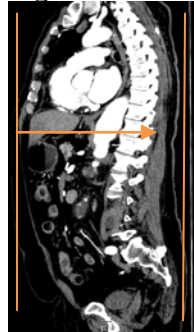
Recons and Reformations: Adjust FoV to fit body contour. Make coronal, sagittal and oblique MIPs of arch through femoral bifurcations and coronal and sagittal MIPs of legs.

RunOffs Coronal 2x2 MIP & Sagittal 2x2 MIP

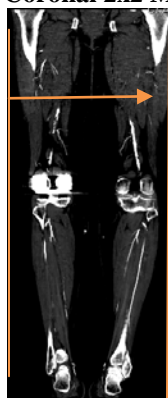
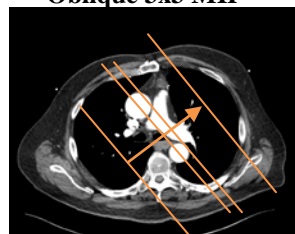
Coronal 3x3 MIP



Sagittal 3x3 MIP



Oblique 3x3 MIP



3D: Upon request.