

CT Head

Head CT Protocols

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CT Angio Endograft Planning Study

CT Angio Head

Select your scanner model below to view the full CTA Head IVcon (IMG14294) protocol for that scanner.

Aquillion One

CTA Head IVcon — IMG14294

Machine Model: Aquillion One

SNIPs Generated: 2021-05-10 14:25:45

Contrast

IV Contrast	4 ml/sec using 20 g PIV Minimum	See IV Guidelines for other access lines.
IV Saline	2 ml/sec using 20 g PIV Minimum	
Oral Contrast	NA	
Water	NA	
Contrast amount determined by weight and renal function.		

Scan Parameters

Special Instructions: IOML perpendicular to table top							
Scanogram: Lateral / AP Landmark: Hyoid							
		BT	Bolus Tracking	A	Arterial	B	Venous
Scan Start			Hyoid		Skull Base		Skull Base
Scan Stop			Hyoid		Skull Vertex		Skull Vertex
Patient Position			Supine		Supine		Supine
Scan Direction			caudal/cranial		caudal/cranial		caudal/cranial
Scan Mode			S&V		Helical		Helical
Scan Range If Volume			NA		NA		NA

Scan Delay			10 seconds		Bolus Track Carotids manually		2 minutes
Bolus Tracking			Bolus Track Carotids Manually		Bolus Track Carotids Manually		NA
Reconstruct ion 1	Thickness x Spacing				.5 mm x .3 mm		1 mm x 1 mm
	Algorithm				CTA Brain		Brain
	FOV				22 cm		22 cm
Reconstruct ion 2	Thickness x Spacing				MIP 10 x 5		
	Algorithm				CTA Brain		
	FOV				Axial + Cor + Sag		
FC			2		43		23
kVp			120 kVp		120 kVp		120 kVp
Scan FOV			24 cm		24 cm		24 cm
Pitch			NA		Detail		Detail
mA			50 mA		250 mA		250 mA
Rotation Time			.5 sec		.5 sec		.75 sec
Detector Rows			1 mm x 4 mm		0.5 mm x 64 mm		0.5 mm x 32 mm
Indications: No indications found. .							

Scanogram / Scan Range Diagram

“ [Placeholder: scanogram diagram showing BT, A and B scan ranges]

Reconstruction Reference

CTA Head MIP 10 x 5 — Axial / Coronal / Sagittal

“ [Placeholder: MIP reconstruction plane reference image]

Indications: No indications found. .

Canon AQ Prime

CTA Head IVcon — IMG14294
Machine Model: Canon AQ Prime
SNIPs Generated: 2021-05-10 14:13:17

Contrast

IV Contrast	4 ml/sec using 20 g PIV Minimum	See IV Guidelines for other access lines.
IV Saline	2 ml/sec using 20 g PIV Minimum	
Oral Contrast	NA	
Water	NA	
Contrast amount determined by weight and renal function.		

Scan Parameters

Special Instructions: IOML perpendicular to table top							
Scanogram: Lateral / AP Landmark: Hyoid							
		BT	Bolus Tracking	A	Arterial	B	Venous
Scan Start			Hyoid		Skull Base		Skull Base
Scan Stop			Hyoid		Skull Vertex		Skull Vertex
Patient Position			Supine		Supine		Supine
Scan Direction			caudal/cranial		caudal/cranial		caudal/cranial
Scan Mode			S&V		Helical		Helical
Scan Range If Volume			NA		NA		NA
Scan Delay			10 seconds		NA		2 minutes
Bolus Tracking			Bolus Track Carotids Manually		Bolus Track Carotids Manually		NA

Reconstruct ion 1	Thickness x Spacing				.5 mm x .3 mm		1 mm x 1 mm
	Algorithm				CTA Brain		Brain
	FOV				22 cm		22 cm
Reconstruct ion 2	Thickness x Spacing				MIP 10 x 5		
	Algorithm				CTA Brain		
	FOV				Axial + Cor + Sag		
FC			2		43		23
kVp			120 kVp		120 kVp		120 kVp
Scan FOV			24 cm		24 cm		24 cm
Pitch			NA		Detail		Detail
mA			50 mA		300 mA		300 mA
Rotation Time			.5 sec		.5 sec		.5 sec
Detector Rows			1 mm x 4 mm		0.5 mm x 40 mm		0.5 mm x 40 mm
Indications: No indications found. .							

Scanogram / Scan Range Diagram

“ [Placeholder: scanogram diagram showing BT, A and B scan ranges]

Reconstruction Reference

CTA Head MIP 10 x 5 — Axial / Coronal / Sagittal

“ [Placeholder: MIP reconstruction plane reference image]

Indications: No indications found. .

Contrast

IV Contrast	4 ml/sec using 20 g PIV Minimum	See IV Guidelines for other access lines.
IV Saline	2 ml/sec using 20 g PIV Minimum	
Oral Contrast	NA	
Water	NA	
Contrast amount determined by weight and renal function.		

Scan Parameters

Special Instructions: IOML perpendicular to table top							
Scanogram: Lateral / AP Landmark: Hyoid							
		BT	Bolus Tracking	A	Arterial	B	Venous
Scan Start			Hyoid		Skull Base		Skull Base
Scan Stop			Hyoid		Skull Vertex		Skull Vertex
Patient Position			Supine		Supine		Supine
Scan Direction			caudal/cranial		caudal/cranial		caudal/cranial
Scan Mode			S&V		Helical		Helical
Scan Range If Volume			NA		NA		NA
Scan Delay			10 seconds		NA		2 minutes
Bolus Tracking			Bolus Track Carotids Manually		Bolus Track Carotids Manually		NA
Reconstruction 1	Thickness x Spacing				.5 mm x .3 mm		1 mm x 1 mm
	Algorithm				CTA Brain		Brain
	FOV				22 cm		22 cm

Reconstruct ion 2	Thickness x Spacing				MIP 10 x 5		
	Algorithm				CTA Brain		
	FOV				Axial + Cor + Sag		
FC			2		43		23
kVp			120 kVp		120 kVp		120 kVp
Scan FOV			24 cm		24 cm		24 cm
Pitch			NA		Detail		Detail
mA			50 mA		300 mA		300 mA
Rotation Time			.5 sec		.5 sec		.5 sec
Detector Rows			1 mm x 4 mm		0.5 mm x 64 mm		0.5 mm x 64 mm
Indications: No indications found. .							

Scanogram / Scan Range Diagram

“ [Placeholder: scanogram diagram showing BT, A and B scan ranges]

Reconstruction Reference

CTA Head MIP 10 x 5 — Axial / Coronal / Sagittal

“ [Placeholder: MIP reconstruction plane reference image]

Indications: No indications found. .

Canon AQ 16

CTA Head IVcon — IMG14294

Machine Model: Canon AQ 16

SNIPs Generated: 2021-05-10 14:14:07

Contrast

IV Contrast	4 ml/sec using 20 g PIV Minimum	See IV Guidelines for other access lines.
IV Saline	2 ml/sec using 20 g PIV Minimum	
Oral Contrast	NA	
Water	NA	
Contrast amount determined by weight and renal function.		

Scan Parameters

Special Instructions: IOML perpendicular to table top							
Scanogram: Lateral / AP Landmark: Hyoid							
		BT	Bolus Tracking	A	Arterial	B	Venous
Scan Start			Hyoid		Skull Base		Skull Base
Scan Stop			Hyoid		Skull Vertex		Skull Vertex
Patient Position			Supine		Supine		Supine
Scan Direction			caudal/cranial		caudal/cranial		caudal/cranial
Scan Mode			S&V		Helical		Helical
Scan Range If Volume			NA		NA		NA
Scan Delay			10 seconds		NA		2 minutes
Bolus Tracking			Bolus Track Carotids Manually		Bolus Track Carotids Manually		NA
Reconstruction 1	Thickness x Spacing				.5 mm x .3 mm		1 mm x 1 mm
	Algorithm				CTA Brain		Brain
	FOV				22 cm		22 cm
Reconstruction 2	Thickness x Spacing				MIP 10 x 5		
	Algorithm				CTA Brain		
	FOV				Axial + Cor + Sag		
FC			2		43		23

kVp			120 kVp		120 kVp		120 kVp
Scan FOV			24 cm		24 cm		24 cm
Pitch			NA		Detail		Detail
mA			50 mA		300 mA		300 mA
Rotation Time			.5 sec		.5 sec		.5 sec
Detector Rows			0.5 mm x 4 mm		0.5 mm x 16 mm		0.5 mm x 16 mm
Indications: No indications found. .							

Scanogram / Scan Range Diagram

“ [Placeholder: scanogram diagram showing BT, A and B scan ranges]

Reconstruction Reference

CTA Head MIP 10 x 5 — Axial / Coronal / Sagittal

“ [Placeholder: MIP reconstruction plane reference image]

Indications: No indications found. .

Canon Genesis 640

CTA Head IVcon — IMG14294

Machine Model: Canon Genesis 640

SNIPs Generated: 2021-05-10 14:13:32

Contrast

IV Contrast	4 ml/sec using 20 g PIV Minimum	See IV Guidelines for other access lines.
IV Saline	2 ml/sec using 20 g PIV Minimum	
Oral Contrast	NA	
Water	NA	

Contrast amount determined by weight and renal function.

Scan Parameters

Special Instructions: IOML perpendicular to table top

Scanogram: Lateral / AP Landmark: Hyoid

		BT	Bolus Tracking	A	Arterial	B	Venous
Scan Start			Hyoid		Skull Base		Skull Base
Scan Stop			Hyoid		Skull Vertex		Skull Vertex
Patient Position			Supine		Supine		Supine
Scan Direction			caudal/cranial		caudal/cranial		caudal/cranial
Scan Mode			S&V		Helical		Helical
Scan Range If Volume			NA		NA		NA
Scan Delay			10 seconds		NA		2 minutes
Bolus Tracking			Bolus Track Carotids Manually		Bolus Track Carotids Manually		NA
Reconstruction 1	Thickness x Spacing				.5 mm x .3 mm		1 mm x 1 mm
	Algorithm				CTA Brain		Brain
	FOV				22 cm		22 cm
Reconstruction 2	Thickness x Spacing				MIP 10 x 5		
	Algorithm				CTA Brain		
	FOV				Axial + Cor + Sag		
FC			2		43		23
kVp			120 kVp		120 kVp		120 kVp
Scan FOV			24 cm		24 cm		24 cm
Pitch			NA		Detail		Detail
mA			50 mA		400 mA		400 mA

Rotation Time			.5 sec		.5 sec		.5 sec
Detector Rows			0.5 mm x 8 mm		0.5 mm x 80 mm		0.5 mm x 80 mm
Indications: No indications found. .							

Scanogram / Scan Range Diagram

“ [Placeholder: scanogram diagram showing BT, A and B scan ranges]

Reconstruction Reference

CTA Head MIP 10 x 5 — Axial / Coronal / Sagittal

“ [Placeholder: MIP reconstruction plane reference image]

Indications: No indications found. .

Canon Vision 640

CTA Head IVcon — IMG14294

Machine Model: Canon Vision 640

SNIPs Generated: 2021-05-10 14:13:43

Contrast

IV Contrast	4 ml/sec using 20 g PIV Minimum	See IV Guidelines for other access lines.
IV Saline	2 ml/sec using 20 g PIV Minimum	
Oral Contrast	NA	
Water	NA	
Contrast amount determined by weight and renal function.		

Scan Parameters

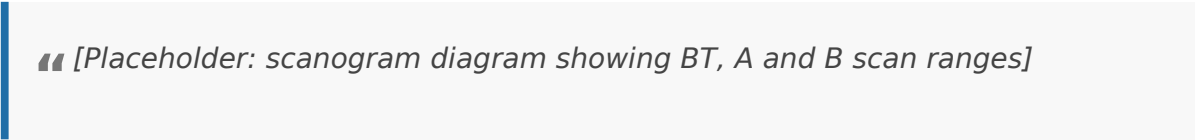
Special Instructions: IOML perpendicular to table top

Scanogram: Lateral / AP Landmark: Hyoid

		BT	Bolus Tracking	A	Arterial	B	Venous
Scan Start			Hyoid		Skull Base		Skull Base
Scan Stop			Hyoid		Skull Vertex		Skull Vertex
Patient Position			Supine		Supine		Supine
Scan Direction			caudal/cranial		caudal/cranial		caudal/cranial
Scan Mode			S&V		Helical		Helical
Scan Range If Volume			NA		NA		NA
Scan Delay			10 seconds		NA		2 minutes
Bolus Tracking			Bolus Track Carotids Manually		Bolus Track Carotids Manually		NA
Reconstruct ion 1	Thickness x Spacing				.5 mm x .3 mm		1 mm x 1 mm
	Algorithm				CTA Brain		Brain
	FOV				22 cm		22 cm
Reconstruct ion 2	Thickness x Spacing				MIP 10 x 5		
	Algorithm				CTA Brain		
	FOV				Axial + Cor + Sag		
FC			1		43		64
kVp			120 kVp		120 kVp		120 kVp
Scan FOV			24 cm		24 cm		24 cm
Pitch			NA		Standard		Standard
mA			50 mA		300 mA		300 mA
Rotation Time			.5 sec		.5 sec		.5 sec
Detector Rows			1 mm x 4 mm		0.5 mm x 64 mm		0.5 mm x 64 mm

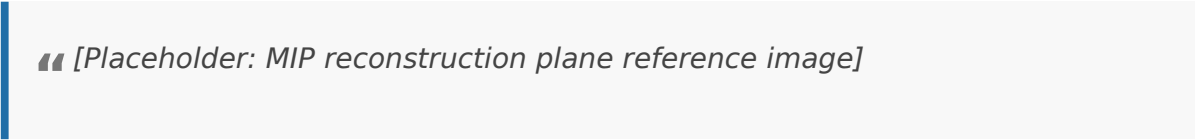
Indications: No indications found. .

Scanogram / Scan Range Diagram



Reconstruction Reference

CTA Head MIP 10 x 5 — Axial / Coronal / Sagittal



Indications: No indications found. .

CT Angio Head and Neck

IMG14248

CT Angio Head and Neck Perfusion

CT Angio Head Perf and Neck Post MSTU