

<b>INDICATION</b>		Stroke alert – CT Brain perfusion						
<b>POSITION / LANDMARK</b>		Supine / SN						
<b>START/END LOCATIONS</b>		<ul style="list-style-type: none"> <li>• Multiple Perfusion sequences: <ul style="list-style-type: none"> <li>○ From pituitary fossa to the convexities</li> </ul> </li> <li>• If scanner has limited coverage area: <ul style="list-style-type: none"> <li>○ From inferior margin of basal ganglia to convexities</li> </ul> </li> </ul>						
<b>CONTRAST PARAMETERS</b>		40 mL Isovue 350 with 40 mL saline flush 4 to 6 mL/sec						
<b>RESPIRATORY PHASE</b>		na						
<b>SCAN DELAY</b>		5 minute post CTA						
<b>SCAN TYPE</b>		Helical						
	<b>KV</b>	<b>mA</b>	<b>Rot Time (sec)</b>	<b>Pitch</b>	<b>Speed (mm/rot)</b>	<b>Noise Index</b>	<b>ASiR</b>	<b>Dose Reduction</b>
	120	Smart mA 200-560	0.5	0.984:1	39.37	9.0		
<b>TECHNIQUE</b>		Using automated exposure control and adjustment of the mA and/or kV according to patient size, radiation dose to be kept as low as reasonably achievable to obtain optimal diagnostic quality images.						
<b>Scans</b>								
<b>Series #</b>	<b>Series</b>	<b>Body Part</b>	<b>DFOV</b>	<b>Thick/Space</b>	<b>Algorithm</b>	<b>Notes</b>		
1	Loc					AP/Lat		
2	Source data	Head	25	2.5x1.25	STND	Do not send to PACS, use for recon		
<b>Recons</b>								
<b>Recon source Series #</b>	<b>Recon</b>	<b>Body Part</b>	<b>Thick / Space</b>	<b>Algorithm</b>	<b>W/L</b>	<b>Notes</b>		
2	AX	Head	1.25x0.625	STND				

\*Please note, recons are displayed as thickness X spacing



# Stroke Alert CT BRAIN PERFUSION

**GE Revolution**

Approval: E. Alvarez, MD

rev:1

8/2025

<b>2D / 3D Processing</b>						
Post process the perfusion into color images						
<b>Series required in PACS</b>						
Loc, Dose Report, ALL recons, Color processed images						

**ADDITIONAL INSTRUCTIONS:**

\*Please note, recons are displayed as thickness X spacing