

CT-Perfusion (Dynamic CTA/4DCTA)

Version date: 13-12-2019

Data acquisition		Obligatory	Preferred
Moment of acquisition			Before CTA or > 4 min after CTA
Acquisition time		≥50 seconds	≥60 seconds
Temporal resolution		Without jog mode ≤3 seconds, with jog mode ≤3.5 seconds	
Tube voltage		70-100 kV	
Tube amperage		70-150 mAs	
DCTI			1000 mGy/cm for +/- 80mm Brain coverage
Jog Mode			Jog mode optional if required
Slice thickness		≤ 1.5 mm	
Increment		≤ 1 mm	
Brain coverage (volume)		≥80 mm	Whole brain
Field of view		Whole Brain	
Contrast media	Concentration	300-350 mg iodine / mL	
	Amount	35-50 mL	
	Injection site	No hand veins	Vein right arm
	Flow rate	≥5 cc/sec	
NaCl flush bolus amount		≥ 30 mL	
Start of acquisition			Direct with as little delay as possible

Imaging to be send to core lab	Obligatory
<u>All</u> series and reconstructions obligatory:	
Reconstructed images with 5mm slice thickness	Yes
Source data with 1mm slice thickness preferred	Yes