

 University Health™	Policy #: Rad Proc 14. 14. 20
SUBJECT: PERFUSION	Effective: 10/1/2013 Reviewed: 2/2015: 2/2017
APPROVED BY: Eduardo Gonzalez-Toledo, MD PhD	Page 1 of 1

Purpose: To provide MRI staff with approved protocol for performing a perfusion MR.

ORIENTATION: HEAD FIRST/SUPINE

Coil: HNS HEAD/STANDARD HEAD

EXAM: PERFUSION

PLANE	3 PLN LOC	(AX) DYNAMIC SUSCEPTABILITY OF CONTRAST
SEQ	GRE	GRE
MODE	2D	2D
IMAGING OPTIONS	SEQ/FAST	MPh/EPI
TE		MIN
TR		2000 ms+
FLIP ANGLE		60
ETL		
BW		
FOV	30	22
SLICE THICKNESS	6	7
SLICE SPACING	5	0
Frequency	256	96
Phase	128	128
NEX	1	1
PHASE FOV	1	1
FREQ DIR	UNSWAP	R/L
FLOW COMP DIR		
SHIM	AUTO	AUTO
PHASE CORRECT	OFF	ON

Slices should be I to S. Cover the entire brain. Angle to the corpus callosum as in other axials as per applications and Dr. Toledo. There should be 60 phases at one second intervals as per Dr. Toledo. Inject at a rate of 3 -5 ml/sec as per Dr. Toledo. Start the injection 10 seconds after scanning or after acquiring 10 phases as per Dr. Toledo.

Note: Additional sequences may be requested at the discretion of the Radiologist monitoring the ex