 University Health™	Policy #: Rad Proc 14.14.8.1
SUBJECT: GAMMA (TREMORS)	Effective: 10/2013 Reviewed: 2/2015; 2/2017
APPROVED BY: Eduardo Gonzalez-Toledo, MD PhD	Page 1 of 2

Purpose: To provide MRI staff with approved protocol for performing GAMMA (TREMORS) MR, and is for patients being treated for a tremor. These patients will typically be patients who are not candidates for the DBS procedure. Cover the entire brain.


ORIENTATION: HEAD FIRST/SUPINE

Coil: HNS HEAD/STANDARD HEAD

EXAM: GAMMA (TREMORS)

PLANE	3 PLN LOC	CALIB.	AX FSPGR BRAVO	AX 3D FSPGR (WITH FRAME)
SEQ	GRE	GRE	BRAVO	SPGR
MODE	2D	2D	3D	3D
IMAGING OPTIONS	SEQ/FAST	FAST/ CALIB	FAST/Irp/ ASSET	EDR/FAST/ZIP 2
TE				MIN FULL
TR				
TI				
FLIP ANGLE			13	20
ETL				
BW			25.00	31.25
FOV	24	30	24	25
SLICE THICKNESS	10	6	0.8	1.6
SLICE SPACING	5	0	LOCS/SL 254	LOCS/SL 128
Frequency	256		256	256
Phase	128		256	256
NEX	1		1	1
PHASE FOV	1		1	0.90
FREQ DIR	UNSWAP	R/L	UNSWAP	UNSWAP
FLOW COMP DIR				
SHIM	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	OFF	OFF	OFF

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

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NOTES: This protocol is for patients being treated for a tremor. These patients will typically be patients who are not candidates for the DBS procedure. Cover the entire brain.

Use Dotarem for this exam, Use 0.2 mL/kg body weight for age 2 and older per Dr. Gonzalez Toledo; under age 2 consult Radiologist